AAVP Newsletter

American Association of Veterinary Parasitologists

June, 2011 Volume 33, Number 2

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From the President

This spring has been an active one for the AAVP. The joint conference for the AAVP, the Livestock Insect Workers' Conference (LIWC) and the International Symposium on Ectoparasites of Pets (ISEP) is just around the corner in St Louis. Our officers, Drs. Patrick Meeus, Alan Marchiondo and Bob Arther have worked as a planning team with representatives of the other organizations to schedule an exciting scientific program of plenary presentations and investigator submitted abstracts. We have lots of great sponsors this year, lots of students will give presentations, and our attendance registration numbers are great. Further details are included in the newsletter below.

The future of the AAVP looks bright. Following the changes in the AAVP constitution and by-laws that provide structure for the establishment of student chapters of the AAVP, the process is underway to formalize student organizations at several colleges of veterinary medicine.

From the President (continued)

As noted in previous newsletters, the AAVP has been a participant in the North American Veterinary Medical Education Consortium (NAVMEC), organized by the American Association of Veterinary Medical Colleges. Their report entitled "Working to Develop a Roadmap for Veterinary Medical Education in the 21st Century: Responsive, Collaborative, Flexible" is nearing completion. For those interested in its content, the document is available at the website www.aavmc.org/Veterinary-Educators/NAVMEC.aspx

Lastly, I would like to thank the executive board and the members of the AAVP for their support during this year. It has been an honor to work with colleagues and students to promote our specialty organization in veterinary parasitology. The leadership in the organization is great, the membership is strong, and students are active, so the future of the organization is bright.

Hope to see you at the 56th annual conference in St. Louis!

Karen F. Snowden, President, AAVP

From the Secretary/Treasurer

2011 Meeting

Program

The 56th Annual Meeting of the American Association of Veterinary Parasitologists (AAVP) will be held July 16-19, 2011 at the Sheraton Westport Lakeside Chalet, St. Louis, MO. This meeting is especially unique because AAVP will be meeting in conjunction with the 55th annual meeting of the Livestock Insect Workers' Conference (LIWC), as well as the 11th meeting of the International Symposium on Ectoparasites of Pets. Dr. Patrick Meeus (AAVP Program Chair) has been working closely in cooperation with Dr. Adalberto Perez de Leon from LIWC, Dr. Bill Donahue from ISEP and our president, Dr. Karen Snowden, to assemble an exciting symposium with the theme "Sustainable Control of Parasites and Vectors" with topics of interest to all three groups. This meeting will provide a venue for colleagues from different disciplines of veterinary parasitology to discuss and share many common interests, particularly in the areas of parasite resistance and economics of parasite control. The program breaks and social events will provide opportunities for the members to exchange ideas and discuss approaches to issues and solutions. Preregistration has been outstanding as we expect well over 200 attendees. We are especially pleased to have a large contingent of students registered for the meeting.

Please contact the Program Chair, Dr. Patrick Meeus, patrick.meeus@pfizer.com, for specific questions regarding the program.

The AAVP Board Meeting will be held Saturday, 16 July from 8:00 A.M to 1:00 P.M. in the Alpine I meeting room. The AAVP-Merial Distinguished Parasitologist Award and the Bayer Livestock Entomologist Lifetime Achievement Award will be presented Saturday evening following the plenary sessions. The AAVP, LIWC, and ISEP business meetings will be held Monday morning, July 18th.

We are again fortunate to have strong corporate support for the meeting to offset many of the meeting expenses. Arrangements have been planned for Bayer Animal Health to host the Saturday evening social

mixer, Elanco Animal Health will sponsor the Sunday evening social, and Merial Ltd. will sponsor the Monday evening social.

Registration

On-line pre-registration can be completed by credit card (Visa, MasterCard or American Express) on the AAVP website (www.aavp.org). The regular member registration fee is $145.00 and the student registration fee is $60.00. Alternatively, you can print a copy of the attached registration form and mail it to the AAVP Secretary/Treasurer along with a check for the registration fee to the address listed below. On-site registration payment may be made by cash, check, or credit card. A proceedings book with abstracts, meeting badge and other information will be available on-site. Proceedings will not be mailed in advance of the meeting. Meeting attendees who are not current members are encouraged to apply for membership before the meeting. Please encourage your colleagues and students to become new AAVP members as well. A new member application form is provided in the newsletter and on the AAVP website. The AAVP meeting registration fee supports the actual cost of running the AAVP meeting and is separate from the annual AAVP membership dues.

Location

The 2011 hotel and conference center is located on the north-west side of St. Louis, Missouri not far from Lambert International Airport in an area known as the West Port Plaza. The West Port Plaza offers access to two Sheraton hotels, the Plaza and the Chalets, more than 20 restaurants, shops, and entertainment. The actual meeting will take place at the Chalet Hotel while rooms for the meeting attendees will be offered for both hotels. The hotel was renovated in 2009 and 2010 and is providing a number of amenities including complimentary airport shuttle service, covered parking, and high-speed Internet access. Further information is available with the link to the hotel website at the AAVP website (www.aavp.org). The hotel phone number is (314) 434-0140.

2011 Dues

The 2011 dues and new member application forms are attached to this issue of the Newsletter and are also available on the AAVP website (www.aavp.org). Members have the option of paying dues on-line by credit card (Visa, MasterCard and American Express) or check. Members who owe for past years are in jeopardy of being deleted from the membership list. If you have any questions about your dues status, please contact the Secretary/Treasurer. Thank you to those who have already paid their 2011 dues. Dues paid my check should be addressed to the Secretary/Treasurer:

Dr. Bob Arther
Bayer HealthCare, Animal Health
12809 Shawnee Mission Parkway
Shawnee, KS 66206 USA
Phone: 913-268-2503
Fax: 913-268-25418
Email: bob.arther@bayer.com

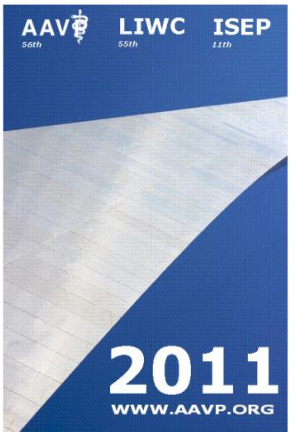
The AAVP dues renewal and new member application forms also offer AAVP members the opportunity to subscribe to Veterinary Parasitology on-line for $37.00 per year.

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

2011 Meeting of the AAVP

Message from the Program Committee

Dear colleagues and friends,



The American Association of Veterinary Parasitologists (AAVP) will hold its 56th Annual Meeting July 16th-19th in St. Louis, MO, in conjunction with the 55th Livestock Insect Workers Conference (LIWC) and the 11th International Symposium on Ectoparasites of Pets (ISEP). The joint meeting will deliver a very exciting program with over 110 presentations by scientists from academia, industry, government and private practitioners. With the growing concerns around parasiticide resistances, the changing regulatory environment and the launch of many new products for the control of pests and parasites there has never been a better time to attend this meeting and discuss with us the "sustainable control of parasites and vectors", the theme of this meeting.

Evening social events will be sponsored by Bayer, Elanco, and Merial, while Pfizer Animal Health will sponsor coffee breaks. AAVP will again host a luncheon for graduate students and post-docs on Saturday at noon to allow getting to know each other better before the meeting, and to elect a new student representative. The AAVP students will also organize workshops during each of the lunch breaks on Sunday and Monday.

The AAVP business meeting will be on Monday morning, starting at 8:00AM, unlike previous years.

For those who did not pre-register, you can register at the on-site registration table in front of the meeting rooms (Versailles Ballroom foyer) starting on Saturday at 1:00 PM and all day on Sunday, 8:00 AM-3:00 PM, and half day on Monday, 8:00 AM-12:00 PM.

A presenter's ready room will be available (Davos) throughout the meeting from at least 8:00 AM till 5:00 PM.

Looking forward to seeing you in St. Louis soon!

Sincerely,

Patrick Meeus, 2011 AAVP Program Chair

Program - 56th Annual Meeting of the AAVP

Saturday July 16th

8:00-13:00 AAVP Executive Committee Meeting & Luncheon

Plenary Session – Versailles 1

14:15 1 Have high resolution molecular analyses offered new insights into the evolution of insecticide resistance? *Jeffrey Scott*

15:00 2 Managing (and mismanaging) the evolution of infectious diseases and their insect vectors. *Andrew Read*

15:45 3 From dust bags to DNA - horn fly control strategies and their role in resistance management. *Ron Byford*

16:30 AAVP-Merial Distinguished Veterinary Parasitologist Award

17:00 LIWC lifetime Achievement Award

19:00-21:00 Bayer Welcome Social

Sunday July 17th

AAVP-Intervet Outstanding Graduate Student Research Award

8:00 4 The effects of dexamethasone administration and *E. bovis* challenge on fecal oocyst count and immune function in weaned beef calves. *Aaron Lucas*, William Swecker, James Neel, David Lindsay, Francois Elvinger, Sharon Witonsk, Anne Zajac*

Session 1 / Students – Rickettsia, protozoa Versailles 1

8:30 5 The prevalence of *Trypanosoma cruzi* in wildlife reservoirs from Uvalde, Texas. *Roxanne A. Charles*, Sonia A. Kjos, Angela E. Ellis, Michael J. Yabsley*

8:45 6 Examination of the surface antigen (SnSAG) gene family in *Sarcocystis neurona*. *Ablesh Gautam*, Sriveny Dangoudoubiyam, Jitender P. Dubey, William J. Saville, Daniel K. Howe*

9:00 7 Effects of ethanol on development of two *Toxoplasma gondii* genotypes in human pigmented retinal epithelial cells. *Alice E. Houk*, Anne M. Zajac, David S. Lindsay*

9:15 8 Ultrastructure of "Candidatus *Rickettsia andeanae*" in the Gulf Coast tick. *Flavia A. Girao*, Jerome Goddard, Christopher Paddock,rea Varela-Stokes*

9:30 9 Host and vector competence for *Rickettsia parkeri* infection. *Gail M. Moraru*, Jerome Goddard, Christopher D. Paddock, Andrea Varela-Stokes*

9:45 10 A potential vector for *Babesia sp. Coco* and the detection of *C. felis* and novel *Babesia* in Ixodid ticks from Tennessee and Kentucky. *Barbara C. Shock*, Sara Cohen, Abelardo C. Moncayo, Michael J. Yabsley*

Session 2 / Students – Insects, ticks Versailles 2

8:30 11 Effects of patch mosaic burning on infestation levels of cattle and mortality rates of *Amblyomma americanum* and *Dermacentor variabilis*. *Victoria J. Polito*, Kristen Baum, Sam Fuhlendorf, Mason V. Reichard*

8:45 12 Effects of vegetation microclimate on larval Cattle Fever Tick survival. *Tasha N. Perry*, Greta L. Schuster, David G. Hewitt, Alfonso Ortega-Santos, Tyler A. Campbell, Pamela Phillips, Ed Bowers, Mat J. Pound, Ron B. Davey, Kim Lohmeyer, Liza Soliz, Chase R. Currie, Pia Olafson, Matthew Messenger, Adalberto A. Pérez de León*

9:00 13 Proportion of White-tailed deer using medicated bait sites in Southern Texas. *Chase R. Currie*, David G. Hewitt, Greta L. Schuster, Alfonso Ortega-Santos, Tyler A. Campbell, Kim Lohmeyer, Tasha Perry, Mat J. Pound, Adalberto A. Pérez de León, Liza Soliz*

9:15 14 Attracting Dark-Eyed Fruit Flies, *Drosophila repleta* (Diptera: Drosophilidae), in swine facilities using color and odor. *Benjamin A. Hottel*, Joseph L. Spencer, Susan T. Ratcliffe*

9:30 15 Shedding light on darkling beetle resistance in Georgia broiler systems. *Whitney E. Boozer*, Nancy C. Hinkle*

9:45 16 Co-infection with *Hepatozoon americanum* and *Ehrlichia canis*: a case report. *Aaron M. Herndon*, Kelly E. Allen, Susan E. Little.*

Pfizer Coffee Break

Session 3 / Students – Helminths Versailles 1

10:30 17 Epizootiology of the emerging lancet liver fluke (*Dicrocoelium dendriticum*) within a multi-host community in Alberta, Canada. *Melissa A. Thomson*, Cameron P. Goater, Douglas D. Colwell*

10:45 18 Prevalence of *Dipylidium caninum* and *Taenia taeniaeformis* in cats. *Chris Adolph*, Susan Little, Kathryn Downie, Tim Snider*

11:00 19 Development of a *Cysticercus ovis* transmission model and the assessment of control strategies. *Bradley D. De Wolf *, Zvonimir Poljak, Paula I. Menzies, Andria Q. Jones, Andrew S. Peregrine, Jocelyn T. Jansen, Jennifer MacTavish*

11:15 20 Geospatial patterns of macrocyclic lactone preventative drug lack of efficacy against *Dirofilaria immitis* in Louisiana. *Cassan N. Pulaski*, John B. Malone, Sara A. Lynch*

11:30 21 Evaluation of a larval migration inhibition assay for determining in vitro susceptibility of equine cyathostomins to macrocyclic lactone anthelmintics. *Daniel A. Zarate*, Bob Storey, Ray M. Kaplan*

11:45 22 Overwintering strategies of a population of anthelmintic-resistant *Haemonchus contortus* within a sheep flock from the Northern Great Plains. *D.D. Grosz*, A.A. Eljaki, L.D. Holler, S. Holler, M.B. Hildreth*

12:00 23 PCR survey of trichostrongyle genera present in a heavily-infected bison herd from eastern South Dakota. *A.A. Eljaki, D.D. Grosz, M.B. Hildreth**

Session 4 / Students – Insects, wildlife Versailles 2

10:30 24 Filth fly production and parasitism in heifer rearing pens bedded with straw, hardwood sawdust, and pine shavings. *Jessica Starcevich*, Roger Moon, Bill Clymer, Hugh Chester-Jones, David Ziegler*

10:45 25 Horse manure age affects stable fly (*Stomoxys calcitrans*) larval development. *Thais A. Albuquerque*, Ludek Zurek*

11:00 26 Role of house flies in dissemination of antibiotic resistant bacteria in an antibiotic free swine system. *L. M. Guisewite*, E. Susick, S. Thakur, D. W. Watson*

11:15 27 Distribution of total mercury (THg) in California sea lions (*Zalophus californianus*) and their parasitic fauna. *Victoria J. Polito*, Kristen Baum, Sam Fuhlendorf, Mason V. Reichard*

11:30 28 Gastrointestinal helminths of two species of mouse opossums (*Marmosa demerarae* and *Marmosa murina*) from French Guiana. *Beth Byles*, Francisco Agustín Jiménez*

11:45 29 *Heterobilharzia americana* infection in a dog. Rebecca S. *Sayre*Heather L. Kvitko-White ,Wayne V. Corapi, Kathy A. Spaulding, Karen F. Snowden*

Lunch on your own

Student workshop 1

ACVM Charter Diplomate lunch

Session 5 – Cattle Insect Control Versailles 1

13:00 30 What happened to screwworms anyway and what are you doing about them now? *Steven R. Skoda*, Pamela L. Phillips, John B. Welch*

13:15 31 A comparative study to evaluate the efficacy of two insecticide ear tags and a negative control against horn flies and face flies at seven locations across the United States. *Larry L. Hawkins*, Bruce Brinkmeyer, Dan Goehl, Brad White, Randall Raymond, David Boxler, Greg Johnson*

13:30 32 Susceptibility of house flies to pyriproxyfen and prospects for using adult flies as autodissemination vehicles. *Christopher J. Geden*

13:45 33 Effects of pyriproxyfen and buprofezin on immature development, female oviposition, and egg-hatching in the stable fly. *Samuel S. Liu,* Andrew Y. Li, Kimberly H. Lohmeyer, Adalberto A. Pérez de León*

14:00 34 Winter debris-cleanup deadlines based on a ground-truthed degree-day model. *Roger Moon*, Dennis Berkebile, Holly Ferguson, Patrick Tobin, Ludek Zurek, Greg Johnson, Sarah Butler, Nancy Hinkle, and others*

14:15 35 Using insecticide ear tags, fly traps and rubbing devices to control pestiferous Diptera on cattle. *Maxcy P. Nolan*

Session 6 – Companion animal Ectoparasites Versailles 2

13:00 36 Speed of kill of a novel topical combination of fipronil, amitraz and (S)-methoprene for treatment and control of induced infestations of Brown Dog ticks (*Rhipicephalus sanguineus*), Black-legged ticks (*Ixodes scapularis*), and Gulf Coast ticks (*Amblyomma maculatum*) on dogs. *Luiz G. Cramer, Joseph B. Prullage*, Christine F. Baker, James S. Hunter III, Matthias G. Pollmeier*

13:15 37 Evaluation of the ovicidal activity of lufenuron and spinosad on fleas eggs from treated dogs. *Dryden M, Payne P*, Smith V, Ritchie D*

13:30 38 A field assessment of FRONTLINE® Plus (fipronil/(S)-methoprene) for the control of flea populations in heavily flea infested private residences and on naturally infested pets in Tampa FL, 10 years after introduction. *Michael W. Dryden , Doug S. Carithers *, Amy L. McBride, Breanne M. Riggs, Lindsey Smith, Jacob M. Davenport, Vicki E. Smith, Patricia A. Payne, Sheila J. Gross*

13:45 39 Efficacy of the Scalibor® Protector Band (4% w/w deltamethrin-impregnated collar) for the control of *Amblyomma americanum* and *Ctenocephalides felis* infestations on dogs. *Tariq Qureshi*, J. Alexander Hair, Fangshi Sun, Frank Guerino*

14:00 40 Efficacy of a topical formulation of dinotefuran, pyriproxyfen and permethrin against stable flies (*Stomoxys calcitrans*) on horses. *Justin L. Talley*, Charles MacAllister, Cathy Ball, Denise Kobuszewski*

Coffee Break

Session 7 – Insect resistance & control Versailles 1

15:00 41 Biotic fitness costs of the skdr-kdr alleles in the horn fly *Haematobia irritans* (Diptera : Muscidae) in the absence of pyrethroid pressure. *Cole D. Younger* and Lane D. Foil*

15:15 42 Slowing the development of insecticide resistance in malaria mosquitoes: application of a spatially and temporally complex simulation model. *Kristine T. Edwards*, Mike Caprio, Jerome Goddard*

15:30 43 Horn fly resistance to insecticides in Brazil *Antonio Thadeu M. Barros*

15:45 44 Overwintering of stable fly, *Stomoxys calcitrans* L., populations in the Midwest USA. *Alberto B. Broce, Jerome A. Hogsette*, James S. Drouillard.*

16:00 45 Comparative effects of cattle, horse, and chicken blood on stable fly (*Stomoxys calcitrans* (L.)) fecundity. *Kristina M. Hale*, Gregory D. Johnson*

16:15 46 New York State Livestock Integrated Pest Management Program Update. *J. Keith Waldron*, Donald A. Rutz*

16:30 47 Can wild bird nests serve as reservoirs for Northern Fowl Mites (*Ornithonyssus sylviarum*)? *Nancy C. Hinkle*, Mark Freeman, Erin Anderson, Kristin Navara, Whitney Boozer*

Session 8 – Livestock nematodes resistance and control Versailles 2

15:00 48 Worm burden and specificity determination of gastrointestinal helminths of cattle and sheep. *Katia Denise Saraiva Bresciani*, Raquel Abdallah Rocha, Monica Regina Vedramini do Amarante, Luis Henrique Fernandes, Alessandro Francisco Talamini do Amarante*

15:15 49 Evaluation of a selective deworming program in horses. *Anne Zajac*, Scott Pleasant, Mary Swartz, Sharon Witonsky, Dana Cook, John Dascanio*

15:30 50 Effect of supplemental *Sericea lespedeza* leaf meal pellets on gastrointestinal nematode infection in grazing goats. *Swetha Gujja*, Thomas H. Terrill, Jorge A. Mosjidis, James E. Miller, Amarendar Mechineni, Dill Sandeep Kommuru, Joan M. Burke*

15:45 51 Effect of grazed *Sericea lespedeza* on gastrointestinal nematode infection in goats. *Amarendar Mechineni*, Thomas H. Terrill, Jorge A. Mosjidis, James E. Miller, Swetha Gujja, Dill Sandeep Kommuru, Joan M. Burke*

16:00 52 Candidate anthelmintic resistance-associated gene expression in a triple-resistant isolate of *Haemonchus contortus*. *Adrian J. Wolstenholme*, Sally M. Williamson, Bob Storey, Sue Howell, Kate Harper, Ray M. Kaplan*

16:15 53 Prevalence of anthelmintic resistance in gastrointestinal parasites of South American camelids in the Southeastern United States. *Bob Storey*, Lisa Williamson, Sue Howell, Ray Kaplan*

16:30 54 Anthelmintic resistance in gastrointestinal parasites of exotic artiodactylids in zoological collections in the United States. *Sue B.Howell*, Bob E. Storey, Deidre K. Fontenot, Ray M. Kaplan*

Elanco Symposium – Versailles 1

17:00 55 Overview of dose confirmation and non-interference studies to assess the oral efficacy of a combination of milbemycin oxime and spinosad against the two dose-limiting parasites, adult cat flea (*Ctenocephalides felis*) and adult hookworm (*Ancylostoma caninum*), in dogs. *Daniel E Snyder*, Scott Wiseman*

17:20 56 Overview of dose confirmation studies to assess the oral efficacy of a combination of milbemycin oxime and spinosad for the prophylaxis of canine heartworm infection in dogs. *Daniel E Snyder*, Scott Wiseman*

17:40 57 Overview of dose confirmation studies to assess the oral efficacy of a combination of milbemycin oxime and spinosad against natural infections of adult *Trichuris vulpis*, *Ancylostoma caninum*, *Toxocara canis* and *Toxascaris leonina* in dogs. *Beate Schnitzler, Brad Hayes, Scott Wiseman, Daniel E. Snyder**

19:00-21:00 Elanco Social

Monday July 18th

Business meetings

8:00-10:00 AAVP Business Meeting – Versailles 1

8:00-9:00 LIWC Business Meeting – Versailles 2

9:00-9:30 LIWC Industry Session – Versailles 2

9:30-10:00 ISEP Business Meeting – Versailles 2

Pfizer Coffee Break

Session 9 – Diagnostics, clinical cases Versailles 1

10:30 58 Evaluation of the zoonotic potential of *Giardia duodenalis* in fecal samples from dogs and cats in Ontario. *Rebeccah M. McDowall, Andrew S. Peregrine*, Erin K. Leonard, Christopher Lacombe, Mary Lake, Ana R. Rebelo, Hugh Y. Cai*

10:45 59 Subclinical *Babesia canis* infections in retired racing greyhounds. *Patricia J. Holman*

11:00 60 Natural *Heterobilharzia americana* infections in horses. *Wayne V. Corapi*, Karen F. Snowden, Aline Rodrigues, Brian F. Porter, Joanne Hardy*

11:15 61 The Luna stain, an improved special stain for detection of microsporidian spores in histological sections . *Tracy S. Peterson, Michael L. Kent**

11:30 62 Comparison of two fecal flotation techniques for the detection of gastrointestinal parasites of dogs and cats. *Juliette Carroll, Lora R. Ballweber**

11:45 63 ELISA detection of *Toxocara canis* coproantigen in dogs. *David A. Elsemore, Laurie A. Flynn**

12:00 64 Validation of Field Collected InPouch™ TF samples for PCR Collected, Incubated and Frozen on Site, Shipped to KSVDL on Ice. *Payne P*, Dryden M, Smith V, Ritchie D. Davenport J.*

12:15 65 New site of infection of *Halicephalobus gingivalis* in a horse. *Jessica Y. Rodriguez*, Karen F. Snowden, Fabiano Oliveira, Thomas M. Craig*

Session 10 – Insect control and research Versailles 2

10:30 66 BaLenced ™ darkling beetle control : augmentation of imidicloprid with *Beauveria bassiana* for use within flocks. *D. Wes Watson*, Jim J. Arends*

10:45 67 Pesticide efficacy of the darkling beetle, *Alphitobius diaperinus,* collected from broiler houses in east Texas. *Sonja Swiger*

11:00 68 Determination of insecticide-susceptibility levels of *Anopheles darlingi* and *Aedes aegypti* in Iquitos, Perú, using CDC bottle bioassays. *Roxanne G. Burrus*, Carmen Flores-Mendoza, Karín S. Escobedo-Vargas, Miguel A. Vásquez-Vargas, Victor M. López-Sifuentes, Fanny Castro-LLanos, Carlos G. Tong-Ríos, Hugo L. Jabá-Ruíz, Anibal Huayanay-Repetto*

11:15 69 Avian host biting preference of *Culex* mosquitoes in California. *Alec Gerry*, Taylor Lura, Robert Cummings*

11:30 70 Laboratory assays with various insecticides against bed bugs and their eggs. *Jerome Goddard, Kristine T. Edwards**

11:45 71 Development of an insect model of *P. aeruginosa* infection using the house fly, *Musca domestica*. *Susan Holzmer*, Alita Miller, Andrew Tomaras, Christopher Zook, Aleah Pullins, Patrick Meeus, Alan Marchiondo.*

12:00 72 Stable germ-line transformation of the New World Screwworm (*Cochliomyia hominivorax*) by electroporation. *Azhahianambi Palavesam*, Felix D Guerrero, Agustin Sagel, Ju Wang, Adalberto A. Pérez de León, Steven Skoda, David O'Brochta*

Lunch on your own

Student workshop 2

Session 11 – Cattle protozoa Versailles 1

13:00 73 Neosporosis economic impact on productive system of beef cattle in the Mato Grosso do Sul State, Brazil. *Jacqueline C. Barros, Leonardo F. Figueiredo-Neto, Renato Andreotti*.*

13:15 74 Risk factors for *Neospora caninum* infection in cattle in the state of Veracruz, Mexico. *Dora Romero*, Zeferino García, Mariel Aguilar, Sergio Muñoz, Leticia Medina , Carlos Cruz*

13:30 75 Functional characterization of recombinant *Neospora caninum* cyclophilin. *Lili Cao, Dongmei Qi, Raymond Fetterer, Eliseo Miramontes, Mark Jenkins, Wenbin Tuo**

13:45 76 Efficacy of halofuginone lactate (Halocur®) in the prevention of cryptosporidiosis in dairy calves. *Lise A. Trotz-Williams, Brenna D. Jarvie, Andrew S. Peregrine*, Todd Duffield, Ken E. Leslie*

14:00 77 Proximity of cattle farm to a wildlife-livestock interface as a predictor of prevalence of selected hemoparasites in farmed cattle. *Richard M. Kabuusu*, Calum Macpherson, Bakama BakamaNume, Sylvia N. Muwanga, Patrick Atimnedi, Sachin Kumthekar, Jill Caldwell, Samantha Zaplinski*

14:15 78 Epidemiological and biological aspects on *Ornithodoros brasiliensis* (mouro tick), an argasidae tick only found on the highlands region of Rio Grande do Sul state, southern Brazil. *João Ricardo Martins, José Reck Jr, Carlos Termignoni, Robert J. Miller*, Adalberto Perez de Leon*

14:30 79 Risk factors associated with *Toxoplasma gondii* infection in goats and producers in Yecuatla, Veracruz. *Mariel Aguilar*, Dora Romero, Violeta Pardío, Zeferino García, Dolores Correa, Heriberto Caballero Francisco Olea, Mo Salman*

Session 12 – Wildlife parasites Versailles 2

13:00 80 Does parasitism influence crop raiding behavior in African elephants? *Tabitha M. Finch* Lori S. Eggert*

13:15 81 Plantar digititis due to *Maseria vespertilionis* in a juvenile big brown bat (*Eptesicus fuscus*). *Susan E. Little*, Eileen M. Johnson, Jane E. Meier, Kelly E. Allen, Cynthia Myers.*

13:30 82 Prevalence of antibodies to spotted fever group *Rickettsia* spp. and *Ehrlichia* spp. in coyotes. *Lindsay A. Starkey*, Susan E. Little, Misti D. West, Jill Saucier, Tom O'Connor, Kelsey Paras, Michael Reiskind*

13:45 83 Genetic similarity among *Trypanosoma cruzi* from diverse sources and geographical regions of the United States. *Maria A. Teixeira*, Patricia L. Dorn, Dawn M. Roellig , Stephen A. Klotz , Justin O. Schmidt , MichaeI J. Yabsley*

14:00 84 Preliminary findings of a molecular survey for the presence of *B. bovis* and *B. bigemina* in cattle fever ticks and white-tailed deer from south Texas. *Greta L. Schuster*, Jeanne Freeman, David G. Hewitt, Alfonso Ortega-Santos, Tyler A. Campbell, Ed Bowers, Mat J. Pound, Ron B. Davey, Kim Lohmeyer, Liza Soliz, Chase R. Currie, Tasha N. Perry, Pia Olafson, Matthew Messenger, Adalberto A. Pérez de León*

14:15 85 Detection and experimental transmission of *Babesia* sp. in captive Olive Baboons (*Papio cynocephalus anubis*). *Mason V. Reichard*, Kristene M. Gray, Ronald A. Van Den Bussche, Jean M. d'Offay, Gary L. White, Christine M. Simecka, Roman F. Wolf*

14:30 86 Prevalence of gastrointestinal parasites in kindergarten associated to pets in suburban area of Veracruz, Mexico. *Anabel Cruz Romero*, María D.L Domínguez Figuero, Dora Romero Salas, Manuel Camargo*

Coffee Break

Session 13 – Ectoparasites control, veterinary education Versailles 1

15:15 87 Performance of novel semiochemicals in the control of veterinary pests. *Phillip E. Kaufman*, Rajinder S. Mann, Jerry F. Butler*

15:30 88 Thinking beyond traditional pesticides for poultry ectoparasite control. *Bradley A. Mullens*

15:45 89 Efficacy of chemical components (CO2, lactic acid, octanol, and benzaldehyde) in CDC light-trapping of *Lutzomyia* spp. in Milagros, Peru, along the Iquitos-Nauta Highway in the Peruvian Amazon Basin. *Roxanne G. Burrus* , Edwin Requena Victor López, Quiuler Cáceres, Roberto Fernandez*

16:00 90 Efficacy and safety of the combination imidacloprid 10% / moxidectin 1.0% spot-on (Advocate® spot-on for small cats and ferrets) in the treatment of ear mite infection (*Otodectes cynotis*) in ferrets. *Christophe Le Sueur, Sophie Bour, Roland Schaper**

16:15 91 The Index Catalogue of Medical and Veterinary Zoology freely available electronically. *S. A. Ewing*, E. Carrigan, H. K. Moberly, M. V. Reichard*

16:30 92 Medical and veterinary entomology graduate and post-doc research and teaching opportunities in Peru. *Roxanne G. Burrus*

16:45 93 Taking veterinary entomology to the next level – cyberspace. *Sonja Swiger*, Pete Teel*

Session 14 – Companion animal protozoa and rickettsia Versailles 2

15:15 94 Demonstration of the prevention of transmission of *Babesia canis canis* by *Dermacentor reticulatus* to dogs using a novel topical combination of fipronil - amitraz - (S)-methoprene. *Frans Jongejan, Frédéric Beugnet*, Matthias Pollmeier*

15:30 95 Diverging immune responses in acute phase infection with United States and South America *Trypanosoma cruzi*. *Jessica F. Edwards*, Wendy T. Watford, Diana L. Martin, Michael J. Yabsley*

15:45 96 Prevention of the transmission of *Borrelia burgdorferi* and *Anaplasma phagocytophilum* infections to dogs by *Ixodes scapularis* using a novel topical combination of fipronil, amitraz and (S)-methoprene. *Christine F. Baker*, John W. McCall, Scott D. McCall, Jennifer P. Irwin, Matthias G. Pollmeier, Thomas N. Mather*

16:00 97 Survey for *Encephalitozoon cuniculi* in a Boston Terrier breeding kennel . *Karen F. Snowden*

16:15 98 A genome sequencing project for the apicomplexan parasite *Sarcocystis neurona*. *Sriveny Dangoudoubiyam*, Daniel K. Howe, Ablesh Gautam, Christopher L. Schardl, Jolanta Jaromczyk, Tommy Bullock, Jessica C. Kissinger, Joshua Bridgers, Sivaranjani Namasivayam*

16:30 99 Equine tick infestation and exposure of horses to tick-borne disease agents. *Jason R. Duell, Robert J. Carmichael, Brian H. Herrin*, Todd C. Holbrook, Justin L. Talley, Susan E. Little*

17:00 – 18:00 Merial Symposium – Versailles 1

19:00-21:00 Merial Social

Tuesday July 19th

Session 15 – Cattle tick control Versailles 1

8:00 100 Suppression of *Rhipicephalus (Boophilus) microplus* under natural south Texas conditions using Y-Tex® XP820™ ear tags on pastured cattle. *Ron Davey*, Joe Kellerby, Mat Pound, Kim Lohmeyer, Jerry Klavons*

8:15 101 Distribution of cattle fever tick infestations detected in the U.S. along the Texas/Mexico border. *Kimberly H. Lohmeyer*, J. Mat Pound, Melinda A. May, Diane M. Kammlah, Ron B. Davey.*

8:30 102 Research update on the potential use of anti-tick vaccines to support the USDA Cattle Fever Tick Eradication Program. *Robert J. Miller*, Agustin Estrada-Pena, Felix G. Guerrero, Adalberto Perez de Leon, Matthew T. Messenger, Dee Ellis*

8:45 103 Are white-tailed deer compromising efforts to maintain eradication of cattle fever ticks from cattle herds in the U.S.? *J. Mathews Pound*, Diane M. Kammlah, Kimberly H. Lohmeyer, Ronald B. Davey, Pia U. Olafson, Liza A. Soliz, Melinda May*

9:00 104 Assessment of bovine immunoprotection against *Rhipicephalus microplus* using Bm86-CG antigen expressed in *Pichia pastoris*. *Rodrigo C. Cunha, Adalberto A. Pérez de León, Fábio P. L. Leite, Felix D. Guerrero, Luciano S. Pinto, Renato Andreotti**

9:15 105 Gotch ear: a poorly-described, local, pathologic condition of livestock primarily associated with the Gulf Coast tick, *Amblyomma maculatum. Kristine T. Edwards*

9:30 106 Movement of *Dermacentor andersoni* among cattle. *Timothy J. Lysyk*

Session 16 – Heartworm Versailles 2

8:30 107 Results of a 2009 survey of 11 western states for heartworm (*Dirofilaria immitis*) infection, and diagnostic and prevention protocols. *Dwight D. Bowman* , Claire Mannella, Marc Cohen, Jay Tischendorf, Scott Weinman*

8:45 108 Macrocyclic lactone resistance in *Dirofilaria immitis. Catherine Bourguinat, Kathy Keller, Aron Bhan, Andrew S. Peregrine, Byron Blagburn, Timothy G. Geary*, Roger K.Prichard*

9:00 109 In vitro bioassay for measuring anthelmintic susceptibility in *Dirofilaria immitis Andrew R Moorhead*, Christopher C Evans, Adrian J Wolstenholme, Bobby E Storey, Byron L Blagburn, Joy L Vaughan, Rudolf Schenker, James Carmichael, Ray M Kaplan*

9:15 110 Evaluation of susceptibility of heartworm (*Dirofilaria immitis*) biotypes to macrocyclic lactones using microfilariae-based single dose and dose-mortality regression assay. *Byron L. Blagburn*, Joy L. Vaughan, Jamie M. Butler, Jane D. Mount, Jennifer A. Spencer, James Carmichael, Rudolf Schenker*

9:30 111 Potential vectors of dog heartworm (*Dirofilaria immitis*) in northeast Arkansas. *Tanja McKay*

Pfizer Coffee Break

10:15 – 11:15 AAVP President's Symposium Versailles 1
Dr Peter Willadsen

AAVP Student Representative Report

The student members of the AAVP have had a productive year and we are looking forward to the annual meeting! We have improved communication this year by sending out a monthly letter to our student members. This has been an excellent way to keep in touch with our student members year-round, and update them on important student issues. We also conducted a student journal club this year. On the 15th of each month, we disseminated electronically two scientific papers for reading and discussion. The papers covered a diverse array of topics and the references are posted on Facebook if any members would like to access this year's articles. At the annual student luncheon, one item we will be discussing is how to improve and expand this student-led journal club in the coming year. We will also look forward to electing a new student representative who will work with Alice Houk to build upon the progress that was made this year. We have a number of institutions that have either submitted applications for student chapter status or have demonstrated interest in forming one, and we look forward to answering any outstanding questions at the meeting, to help support these student members.

At last year's meeting, students expressed an interest in participating in a student workshop at the AAVP meeting. This year we have planned some student activities to be held during lunch on both Sunday and Monday, in addition to the student luncheon. We hope this provides students with an opportunity to get to know one another better, as well as to learn more about parasitology and the AAVP. We look forward to seeing everyone at the conference!

Student Representatives:
Ashley McGrew
Alice Houk

Committee Reports

Nomination Committee

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I wish to thank the members of the Nominations Committee (George Condor, Ellis Greiner, Tom Klei, Tammi Krecek, and Jim Miller) for getting together the slate of candidates for this year's election. The suggested nominees were contacted and their biographies submitted to Jenifer Edmonds, who published them in the February Newsletter.

A total of 197 ballots were returned, up 17 from last year. Thank you to all the candidates that ran for the office of Vice President and the Nominations Committee!

Submitted by Tom Nolan, Chair, Nominations Committee

The Election Results:

VICE PRESIDENT

Dwight Bowman

NOMINATIONS COMMITTEE

Tom Craig

Ray Kaplan

2011 Awards Committee Results

AAVP-Merial Distinguished Veterinary Parasitologist Award

Thomas M. Craig has been selected as the 2011 Distinguished Veterinary Parasitologist. This is the society's most prestigious award and honors the outstanding contributions of an AAVP member to the advancement of veterinary parasitology. Dr. Craig's biography and photograph will be featured in the AAVP 2011 Annual Meeting's Proceedings. Congratulations to Tom for this honorable award!

AAVP-Intervet / Schering-Plough Outstanding Graduate Student Award

Aaron Lucas, of Virgina-Maryland Regional College of Veterinary Medicine, Virginia Tech, has been selected as the recipient of the 2011 AAVP-Intervet / Schering Plough Outstanding Graduate Student Award. Congratulations! Aaron will receive reimbursement of travel expenses by the AAVP, an engraved plaque, and a monetary award of $1000 provided by Intervet / Schering-Plough. In addition, he will give a 30-minute talk at the AAVP meeting.

AAVP-CAPC Graduate Student Award in Zoonotic Disease

Jessica Edwards, of the University of Georgia, has been selected as the recipient of the AAVP-CAPC Graduate Student Award in Zoonotic Disease – for her research on *Trypanosoma cruzi*. Congratulations! Jessica will receive a $500 Young Investigator Travel Grant, an engraved plaque, and a monetary award of $1000 provided by CAPC.

AAVP Young Investigator Travel Grants

The AAVP Awards Committee has selected the following nineteen students to receive Young Investigator Travel Grants, to offset expenses associated with attending the AAVP meeting in St. Louis. Congratulations to the recipients! Each student will present their abstract as part of the scientific program and may choose to enter the Best Student Paper Competition as well. The Best Student Paper competition is sponsored by Bayer and a 1st and 2nd place award is given with $500.00 and $300.00 honorariums, respectively.

Chris Adolph	Oklahoma State University
Roxanne Charles	University of Georgia
Sriveny Dangoudoubiyam	University of Kentucky
Brad DeWolf	University of Guelph
Kristine Edwards	Mississippi State University
Ablesh Gautam	University of Kentucky
Flavia Girao	Mississippi State University
Aaron Herndon	Oklahoma State University
Brian Herrin	Oklahoma State University
Alice Houk	Virginia Tech
Ashley McGrew	Colorado State University
Gail Moraru	Mississippi State University
Victoria Polito	Oklahoma State University
Jessica Rodriguez	Texas A&M
Rebecca Sayre	Texas A&M
Barbara Shock	University of Georgia
Lindsay Starkey	Oklahoma State University
Melissa Thomson	University of Lethbridge
Daniel Zarate	University of Georgia

Submitted by Andrew Peregrine, Chair, AAVP Awards Committee

Announcements

Animal Planet's, ***Monsters Inside Me***, Searching for Stories for Third Season

Animal Planet's hit television program, ***Monsters Inside Me***, is searching for amazing medical mystery stories to feature in its third season.

For the first two seasons, we featured provocative and unusual stories of people who had been infected with a parasite. This season we are featuring more parasites, as well as other microscopic organisms – bacteria, fungi, spores and viruses, and even inorganic matter.

We are looking for patients who have experienced puzzling symptoms and who are willing to give a compelling on-camera account of what they went through. We also want to interview their doctor(s) who finally solved the riddle by diagnosing and treating them.

If you have a story that may be of interest, and the doctor and patient are interested in sharing their story please contact Liz Goncalves directly.

For more information on our program please visit us at http://animal.discovery.com/tv/monsters-inside-me/

Liz Goncalves
Optomen Productions
100 6th Avenue, 12th Floor
New York, NY 10012
917-344-2832
917-591-4333 – FAX
liz.goncalves@optomenusa.com

Safepath Looking for Researchers with Novel Analytes or Biological Markers for Commercialization

SafePath Laboratories LLC is a USDA licensed firm that develops and commercializes in vitro diagnostic assays for veterinary use. Safepath would be interested in talking to researchers that have novel analytes or

biological markers that they would like commercialized. For further information please contact Dave Lambillotte: dave@safepath.com.

Congratulations

Ryan T. Stoffel (on left) from the University of Missouri, Columbia, MO. was the AAVP student award recipient for competition in parasitology at the December 2010 CRWAD meeting. His presentation was entitled "Utilization of a peptide-based enzyme linked immunosorbant assay for the detection of bovine anti-*E. chaffeensis* antibodies."

The award was presented to him by Roman R. Ganta CRWAD Section Leader for the Vector-Borne and Parasitic Diseases. Ryan received a $50 check from AAVP, complementary membership, and annual meeting registration.

Future Parasitology Meetings

Future meetings of the AAVP

The 56th Annual Meeting of AAVP will be held in St. Louis, MO, July 16-19, 2011 at the Sheraton Westport Hotel.

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

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 August 21-24, 2011 in Buenos Aires Argentina. http://www.waavp.org.

American Society of Tropical Medicine & Hygiene (ASTMH) 2011

The 60th annual meeting of ASTMH will be held December 4-8, 2011 in Philadelphia, PA, USA. More information at: http://www.astmh.org.

Symposium on Membrane Ion-channels in Helminth Parasites: Resistance and Sites of Action for Anthelmintics

The Symposium will be held at the Radisson Plaza-Warwick Hotel, Philadelphia on December 1st-3rd, 2011 (just before the annual meeting of ASTMH). Organizers include: Richard Martin, Adrian Wolstenholme & Robert Greenberg. Proceedings will be published as a special issue of Invertebrate Neuroscience. Abstract submission and Registration open July 1st.

Invited speakers include:

Lorenzo Savioli (Keynote Speaker)
Raffi Aroian
Paula Ribiero
Tim Geary
Ann Lespine
Ronald Kaminsky
Lindy Holden-Dye
Alan Robertson
Richard Komuniecki
Sean Forrester
Roger Prichard
Debra Woods

For Registration, Abstract submission and more details: www.ucs.iastate.edu/mnet/membrane/home.html

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

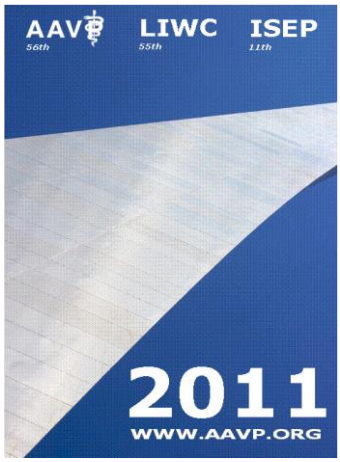
PRESIDENT Dr. Karen Snowden College of Veterinary Medicine Texas A&M University College Station, TX 77843 ksnowden@cvm.tamu.edu	**VICE-PRESIDENT** Dr. Alan A. Marchiondo Pfizer Animal Health 7000 Portage Road Kalamazoo, MI 49001 USA 269-833-2674 alan.marchiondo@pfizer.com	**IMMEDIATE PAST- PRESIDENT** 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	

2011 Annual Meeting Registration Form

AAVP – LIWC – ISEP
Joint Meeting

Sheraton Westport Chalet Hotel
St. Louis, MO, USA

July 16th-19th, 2011



PLEASE PRINT (Badge name, city and state will be printed from this information; please print clearly or type)

Name _____
First MI Last

Institution/Business Affiliation _____

Address _____

City _____ State/Country _____ ZIP ___

Telephone No. _____ Email _____

Accompanying Spouse: ☐ yes (name) _____
☐ no

Registration Fee:
General: Received **before** June 1st, 2010=$85.00; Received **after** June 1st or at meeting=$135.00.
Students: Received **before** June 1st, 2010=$35.00; Received **after** June 1st or at meeting=$50.00.

Make check payable (U.S. funds only) to the American Association of Veterinary Parasitologists or AAVP. The use of credit cards (Visa, MasterCard or American Express) for registration payment is available on the AAVP website (www.aavp.org).

Return this completed form and check to:

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

Hotel registration can be made by calling the Sheraton Westport Chalet Hotel at +1-800-325-3535. See separate instructions in the newsletter or at www.aavp.org

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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
October 2011	September 30, 2011
February 2012	January 27, 2012
June 2011	May 31, 2012

Please contact the editor with questions regarding these dates.