From the President

Washington DC, July 14-17, 2007. It’s not very far away. If you have not made your travel plans and registered for the meeting, it’s not too late. Our 52nd Annual Meeting will be another great meeting based on the scientific program, special sessions and social events that have been planned. Dr. Susan Little and Dr. Alan Marchiondo have done a great job of organizing and planning for our meeting in DC and deserve a big Thank-You. In addition to our usual scientific sessions, and best student paper presentations, I’m excited about several special events including an opening session on tick-borne diseases, continued discussions on nematode resistance in ruminants and how do you monitor and assess it’s presence, an Educator’s forum on teaching methods in veterinary parasitology and finally a Symposium that I have organized at the Convention Center on Tuesday morning where four speakers will discuss the “Use of a National Pet Hospital’s Electronic Database and Veterinary Practice Surveys for Nationwide Epidemiological Studies of Parasites of Companion Animals”. I hope that you can participate in all of these events.

In the February Newsletter I mentioned that the AAVP Executive Board had been in discussions with the AVMA about our future connection with the AVMA. The AVMA had expressed a very strong desire for AAVP to become more integrated into the AVMA convention program, starting in 2008, including having our scientific sessions at the Convention Center and as part of the overall AVMA program. Since February, the AAVP executive board explored a number of options and we sent a letter to the AVMA asking them to allow us to keep the arrangement that we have had with them for the last 51 years. As we outlined to the AVMA in this letter, we felt that their proposal would negatively alter the future viability of our scientific association and that we saw no other option but to move forward with a stand-alone meeting in 2008. AVMA responded back that their position was firm and that we should plan to organize all aspects of our annual meeting, starting in 2008, without the assistance of the AVMA. What does this mean? At this time the plan is to have our annual meeting at the same time and in the same city as the AVMA meeting, but we will make all of the arrangements ourselves and we will select the hotel where we will hold our annual meeting. This does mean more work for our Association and will require more long-range planning with hotels in convention cities, but we believe it is quite workable. Because of the requirement to make contact with hotels well in advance of an upcoming meeting to reserve a venue, plans are already in motion for the 2008 meeting in New Orleans. We will continue this discussion at the
Board meeting and at the business meeting in July in DC so please plan to attend so that you can be part of these discussion and we want to hear your thoughts and any concerns you might have.

In closing, I want to thank everyone in advance who has contributed to making our 2007 meeting a success. In addition, I want to thank the AAVP membership for allowing me the opportunity to serve as the President of our association. It has been an honor and I have greatly enjoyed the opportunity to continue to serve our scientific organization. I look forward to seeing you in Washington, DC. Please plan to attend our annual meeting and bring students from your labs as they are the future of our scientific association.

Respectively Submitted, Daniel E. Snyder

From the Secretary/Treasurer

The 52nd Annual Meeting of the AAVP is fast approaching. All meeting functions, except the President’s AVMA/AAVP joint symposium at the Convention Center, will be held in the Grand Hyatt Washington, 1000 H Street NW, Washington, DC. Information regarding the meeting can be found on the AAVP website (www.aavp.org). Dr. Susan Little, Program Chair, and the Program Committee have assembled an exciting scientific program that begins with the opening session on “Ticks and Tick-Borne Diseases – Recent Advances and Future Challenges” at 2:15 PM on July, 14th. On Tuesday, July 17th, the President’s Symposium by Dr. Dan Snyder will be held in the Convention Center at 8:00 – 11:30 AM. The symposium is on national epidemiological studies of companion animal parasites. At 1:00 PM on Tuesday, July 17th, a special session on Veterinary Parasitology Education will be held back at the Grand Hyatt Washington.

Social events will be sponsored by Bayer on Saturday evening, Merial on Sunday evening, and Novartis on Monday evening. Schering-Plough Animal Health will sponsor the morning coffee break on Sunday. Fort Dodge Animal Health will sponsor the morning coffee break on Monday. AAVP will again host a luncheon for graduate students and post-docs on Sunday at noon to allow them to interact, to get to know each other better, and to elect a new student representative. The AAVP business meeting, President’s address and awards presentations will be on Monday afternoon, July 16th at 1:30 PM. A listing of the Program titles, times and room locations will be posted on the AAVP website (www.aavp.org) Meeting attendees who pre-register will receive a receipt and evidence of registration by email. Pre-registration deadline is June 5th. Please bring the receipt to the meeting as your evidence of registration and contact me if you have any questions about your pre-registration. Pre-printed name badges (if you pre-registered), the Proceedings book, and other meeting materials will be provided at the on-site registration table in the Independence Foyer just outside the Independence Ballroom of the Grand Hyatt Washington starting at 1:00 PM on Saturday, July 14th.

For those who did not pre-register, you can register at the on-site registration table starting on Saturday at 1:00 PM and all day on Sunday, 8:00 AM-5:00 PM, and half day on Monday, 8:00 AM-12:00 PM. On-site registrations and payments of dues can be made by cash, check or credit card. At the registration table, there will be several items for your action related to the meeting including:

1) the membership dues list (check to see if your dues are current; if not please consider paying at the meeting),
2) the membership mailing list (confirm that I have your correct mailing address, phone, fax and email numbers) and
3) a list of AAVP committees for those who would like to volunteer (AAVP needs your participation and energy).

For those members who are unable to attend the meeting, the Proceedings book will be mailed to you after the meeting sometime in August. The 52nd Annual Meeting of AAVP will be a special event and I hope to see you in our Nations Capitol.

Submitted by Alan A. Marchiondo, Secretary-Treasurer, AAVP.
Committee Reports

2007 AAVP Nominations Committee Results

Many thanks to committee members, Gary Conboy, Sidney Ewing, Tim Geary, Jorge Guerrero and Peter Schantz for their speedy efforts to generate the excellent slate of nominees. The nomination process involved each committee member suggesting nominees for open positions of Vice President and two new members of the Nominations Committee. This list was then ranked by the committee and the final ballot was completed. Nominees were contacted and biographies collected.

The February newsletter included the final ballot information and biographies of the two nominees for Vice President and five for the Nominations Committee. Al Marchiondo did a marvelous job preparing the biographies with pictures of the candidates. Members were able to vote online this year for the first time. An electronic ballot link was sent to members with email addresses and a paper ballot along with the newsletter was mailed to members that do not have email addresses listed.

426 email ballots were sent three times and we received non-deliverable messages from 28 of these members, thus 398 emails ballots were delivered. Electronic ballots were recorded and reported along with the postcard ballots by Patrick Riley. Of the 398 electronic ballots, 176 (44%) ballots were returned. A total of 34 paper ballots were sent. Mailed ballots were sent to me as Chair, and were recorded by my very reliable technician, Sara Mailen. We received ballots from 10 (29.4%) of these 34 members. In total, 186 ballots of 432 ballots were returned for a response of 43%. This is the highest response we have ever had!

A special thanks to everyone who agreed to run for AAVP offices; for those who did not win we hope you will consider running again.

THE WINNERS ARE:

Vice President:
Lora R. Ballweber

Nominations committee members:
Dwight Bowman
and Thomas Craig

CONGRATULATIONS!

Submitted by Patricia Payne,
Chair, AAVP Nominations Committee.
2007 AAVP Awards Committee
Results

Distinguished Veterinary Parasitologist
Ronald Fayer has been selected as the 2007 Distinguished Veterinary Parasitologist. His biography and photograph will be featured in the Proceedings of the AAVP Meeting. Congratulations to Ron for this honorable award!

Intervet Graduate Student Award
Martin Nielsen, of University of Copenhagen, Denmark, has been selected as the recipient of the 2007 AAVP-Intervet Outstanding Graduate Student Award. Congratulations! Martin will receive an honorarium of $1,000.00. In addition, he will give a 30-minute talk to kick off the student paper competition. His abstract will also be part of the student paper competition that is sponsored by Bayer.

Young Investigator Travel Grant
The AAVP Awards Committee has selected the following fifteen students and postdocs to receive a Young Investigator Travel Grant to offset expenses to attend the AAVP meeting in Washington, DC. Congratulations to the recipients! Each student will be presenting their abstracts 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 given, respectively.

Alexa Rosypal  University of North Carolina at Chapel Hill
Heather Stockdale  Auburn University
Julie Vargas  University of Georgia
Saurabh Verma  Iowa State University
Marlena Yost  Mississippi State University

Submitted by A.C. Rosypal, Chairman of the AAVP Awards Committee.
Committee members include Jenifer Edmonds, Doug Hutchins, Merijo Jordan, Sara Marley and Andrew Peregrine.

Future Parasitology meetings

Future meetings of the AAVP
53rd meeting in 2008 – New Orleans, LA
54th meeting in 2009 – Held in conjunction with WAAVP meeting, Calgary, Canada
55th meeting in 2010 – Atlanta, GA
56th meeting in 2011 – St. Louis. MO

21st International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP)
The WAAVP 2007 International Conference will be held in Ghent, Belgium on August 19-23, 2007. Scientific program information is available on the meeting web page: http://www.waavp2007.be.

Submitted by Alan Marchiondo

The AAVP Newsletter and our young members!
The AAVP newsletter committee would like to include a section focusing on our young / student members. Three times a year, with every newsletter, we will be highlighting those individuals near or at the completion of their MSc or PhD. Each time we will publish a brief narrative resume, a summary of their research findings and their plans for the future.
In short, we encourage everybody within the AAVP to promote his / her student by sending us:
- a short, three paragraph, narrative resume including the topic of the graduate research and plans for a career in parasitology.
- a picture.

Submitted by Patrick F. Meeus
A special thanks to our many sponsors.

The American Association of Veterinary Parasitologists gratefully acknowledges the support of our many sponsors, friends, and colleagues.

Thank you for making this meeting possible.

GENERAL MEETING SUPPORT
- Avogadro, Inc.
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OPENING SESSION ON
TICKS AND TICK-BORNE DISEASES
- Bayer Animal Health
- Fort Dodge Animal Health
- IDEXX
- Merial, Ltd.
- Novartis Animal Health US, Inc.

EDUCATORS SESSION
An educational grant from the Companion Animal Parasite Council

EVENING SOCIALS/BREAKS
- Bayer Animal Health
- Fort Dodge Animal Health
- Merial Ltd.
- Novartis Animal Health
- Schering-Plough Animal Health

52nd Annual Meeting of the AAVP – preliminary program

Saturday July 14, 2007

8:00 AM-1:00 PM  AAVP Executive Committee Meeting & Luncheon.
Franklin Square
All AAVP officers and committee chairs please plan to attend!

1:00 PM-6:00 PM  Registration
Independence Registration Desk.
and throughout the meeting,
8 AM-5 PM on July 15, 2007
8 AM-12 PM on July 16, 2007

1:00 PM-6:00 PM  Speaker Ready Room.
Cherry Blossom.
and throughout the meeting,
8 AM-6 PM on July 15, 2007
8 AM-4 PM on July 16, 2007

2:00-4:00 PM  Opening Session
Independence BCD

2:00 Opening Remarks.
President: Dan Snyder
Vice President and Program Chair:
Susan Little

Opening Session/Session I.
Independence BCD
Topic: Ticks and Tick-borne Diseases

Moderator: Susan Little

2:30 1 Targeting the tick/pathogen interface for development of vaccines for control of ticks and tick-borne diseases. Katherine M. Kocan*, José de la Fuente and Edmour F. Blouin.

3:00 2 The natural history of Amblyomma americanum-associated ehrlichiae. Michael J. Yabsley.

3:30 3 Recent insights into transmission of the monocytotropic tick-borne pathogen, Ehrlichia canis. R. W. Stich.

4:00-4:30 PM BREAK
### Saturday July 14, 2007, Late Afternoon

#### Session II. Independence BCD
**Topic: Ticks and Tick-borne Diseases**
**Moderators:** Ann Donoghue and Michael Yabsley

1. **4:30**  Movement of *Rhipicephalus sanguineus* adults between co-housed dogs during active feeding. Susan E. Little*, Joe Hostetler, and Katherine M. Kocan

2. **4:45**  Species diversity and seasonal dynamics of ticks (Acari: Ixodidae) populations from some regions of Romania. Mariana Ioniță*, Ioan Liviu Mitrea, Florin Minculescu, Marius Cătălin Buzatu

3. **5:00**  Experimental transmission of *Hepatozoon americanum* to rodents and an alternate mode of transmission to a dog. Eileen Johnson*, Kelly Allen, Roger J Panciera, Susan E. Little, Sidney A. Ewing and Mason Reichard

4. **5:15**  Occurrence and risk factors associated with infection with *Cytauxzoon felis* in domestic cats from Oklahoma. Mason V. Reichard and Kristen A. Baum*

5. **5:30**  Species susceptibility to *Ehrlichia chaffeensis* infection *in vitro* Andrea S. Varela-Stokes* and David E. Stallknecht

#### Session III. Farragut/Lafayette
**Topic: Ruminant Anthelmintics**
**Moderators:** Ray Kaplan and Andy DeRosa


8. **5:00**  A novel approach for combining the use of in vitro and in vivo data to measure and detect emerging MOX resistance in gastrointestinal nematodes of goats. Ray M. Kaplan*, Anand N. Vidyashankar, Sue B. Howell, Jennifer M. Neiss, Lisa H. Williamson, and Thomas H. Terrill

9. **5:15**  The influence of several anthelminthic drugs on the cattle gastrointestinal strongylates eggs *in vitro*. Hovhannes Z. Naghashyan*, and Levon A. Movsisyan

10. **5:30**  Cow/calf parasite control practices in Kentucky – 2006 survey. Gil Myers*


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### 7:00 - 9:00 PM
**BAYER SPONSORED WELCOME SOCIAL in Independence FGHI**
8:00 AM-10 AM Session IV.
Independence BCD
Topic: Student Presentations
Moderators: Sara Marley and Andrea Varela-Stokes

8:00 15 Intervet/AAVP Outstanding Graduate Student Talk – Martin K. Nielsen

8:30 16 Is feline trichomoniasis really caused by *Trichomonas foetus*? Heather D. Stockdale*, Soren P. Rodning, M. Daniel Givens, A. Ray Dillon, Jennifer A. Spencer, Christine C. Dykstra, David S. Lindsay, and Byron L. Blagburn

8:45 17 Identification of cryptic species in the *Trichomonas gallinae* morphological complex by molecular characterization. Richard W. Gerhold*, Michael J. Yabsley, and John R. Fischer

9:00 18 Local and systemic humoral response in bulls vaccinated and experimentally infected with *Trichomonas foetus*. Eduardo R. Cobo*, Lynette Corbeil, K. VanHoosear, Laurel Gershwin, and Robert BonDurant

9:15 19 FMRFamide-related peptide induced modulation of calcium currents in *Ascaris suum* somatic muscle cells. Saurabh Verma*, A. P. Robertson, R. J. Martin

9:30 20 Detection and semi-quantification of *Strongylus vulgaris* DNA in equine faeces by real-time PCR. Martin K. Nielsen*, David S. Peterson, Jesper Monrad, Stig M. Thamsborg, Susanne Olsen, Ray M. Kaplan

9:45 21 Prevalence and diversity of *Hepatozoa* spp. in naturally-infected dogs from the southeastern United States. Kelly E. Allen*, Mason Reichard, Eileen Johnson, Bernhard Kaltenboeck, Susan Little

8:15-10:00 AM Session V.
Independence FG
Topic: Protozoa of Wildlife and Exotics
Moderators: Karen Snowden and Tammi Krecek


8:30 38 A survey of wild canids from South Carolina for antibodies to *Leishmania infantum* and *Trypanosoma cruzi*. A. C. Rosypal*, R. R. Tidwell, D. S. Lindsay

8:45 39 Antibody kinetics to *Sarcocystis aecheniæ* in alpacas under field and experimental conditions and molecular detection by PCR. Armando L. Hung, Nino Arias, Cesar Martinez and Ana Murguia

9:00 40 Natural history of and evidence for genetic exchange in *Trypanosoma cruzi* from the southeastern United States. Michael J. Yabsley*, Dawn M. Roellig, Emily M. Brown, Wendy Fujita, and Mason Y. Savage


9:45 43 Ultrastructure characteristics of *Besnoitia darlingi* tachyzoites Brumpt, 1913 (Protozoa: Sarcocystidae) of the Michigan strain MIBD1. Linda S. Mansfield, Hany M. Elsheikha’
Sunday July 15, 2007, Late Morning

10:30 AM-12:00 PM Session IV, Cont.
Independence BCD
Topic: Student Presentations
Moderators: David Stansfield and Alexa Rosypal

10:30  22 Nematode parasites of wild caught African green monkeys (Chlorocebus sabaues) on St Kitts, West Indies. Bonnie Mitchell*, Prather McNeal-Hutchinson, Rosina C Kreeck

10:45  23 Toxocara vitulorum in beef calves in North Central Florida. Gabriel Davila*, Max Irsik and Ellis C. Greiner

11:00  24 Experimental and natural trematode infections in piscivorous birds. Cynthia M. Doffitt*, D. Tommy King, and Linda M. Pote


11:30  26 Comparison of diagnostic techniques for detecting intestinal parasites of captive baboons. Kristene M. Gray*, Mason V. Reichard, and Roman R. Wolf

11:45  27 Infection of Babesia gibsoni in confiscated pit bull terriers. Todd J. Yeagley* and Mason V. Reichard

12:00-1:30 PM, AAVP GRADUATE STUDENT LUNCHEON/MIXER – Independence E
Regular members – Lunch on your own

Sunday July 15, 2007, Late Morning

10:30-12:00 Session VI.
Independence FG
Topic: Protozoa of Food Animals
Moderators: Monica Santin and David Lindsay


11:00  46 A longitudinal study of Cryptosporidium species and genotypes in dairy cattle from birth to maturity. Mónica Santín, James M. Trout, and Ronald Fayer

11:15  47 Characterization and attenuation of Eimeria meleagris from the Turkey. H. David Chapman and Thilakar Rathinam*

11:30  48 Intracellular levels of the viral symbiont CPV in Cryptosporidium parvum correlate with fecundity of the parasite in dairy calves. J. Higgins, C. O’Brien, J. Abrahante, M. Abrahamsen, R. Fayer, K. Kniel, M. Jenkins*

11:45  49 The evaluation of ISCOMs incorporating triterpene saponins isolated from native plants and the recombinant antigen SO7 for in ovo immunization of chickens against Eimeria tenella infection. V. Berezin, A. Bogoyavlenskiy, V. Tolmacheva, N. Makhmudova, S. Khudyakova1, S. Levandovskaya, E. Omirtaeva, I. Zaitceva, G. Tustikbaeva, P. Aleksyuk, I. Korotetckiy, R. Barfield, K. Miska, M. Jenkins, R. Fetterer*
Sunday July 15, 2007, Early Afternoon
1:30 PM-3:45 PM Session IV, Cont.
Independence BCD
Topic: Student Presentations
Moderators: Ellis Greiner and Mason Reichard

1:30 28 Differences in antibody production and local gene expression between parasite resistant hair sheep and susceptible wool sheep infected with Haemonchus contortus. Kathryn M. MacKinnon*, Frans N. Kooyman, Anne M. Zajac, Isis K. Mullarky and David R. Notter

1:45 29 Anthelmintic resistance on sheep and goat farms in the southeastern United States. Sue B. Howell*, Joan M. Burke, James E. Miller, Thomas H. Terrill, Elide Valencia, Mimi J. Williams, Lisa H. Williamson, Anne M. Zajac, and Ray M. Kaplan

2:00 30 Effect of feeding sericea lespedeza hay on fecal egg counts in horses. Julie V. Vargas*, Anand N. Vidyashankar, Thomas H. Terrill, Jorge A. Mosjidis, Ray M. Kaplan

2:15 31 Evaluation of selected immune responses to Haemonchus contortus infection in Gulf Coast Native compared with Suffolk lambs. Krishna P. Shakya*, James E. Miller, David W. Horohov

2:30 32 Confirmation of hosts and life stages in the Bolbophorus damnificus life cycle. Marlena C. Yost*, Linda M. Pote, Brian S. Dorr

2:45 33 Lung pathology and association of Wolbachia with naturally occurring heartworm disease in dogs and cats. Julie Levy, Patricia Dingman*, Laura Kramer, Michael Lappin, Calvin Johnson, Ellis Greiner

CONTINUED ON NEXT PAGE

Sunday July 15, 2007, Early Afternoon
1:30-3:45 PM Session VII.
Independence FG
Topic: Flea and Tick Control
Moderators: Pat Payne and Bill Stich

1:30 50 Dinotefuran: a novel third-generation neonicotinoid for safe and effective long-term flea control on cats. Albert A. Ahn*

1:45 51 Dinotefuran: a safe and effective third-generation neonicotinoid for flea control on dogs. Albert A. Ahn*

2:00 52 How fast is fast in the flea and tick claim race? Thomas. A. Miller*, Marvin Sharp, and Larry Nouvel

2:15 53 Do any of the “natural” spot-on products sold for treatment of flea and tick infestations really work? Thomas. A. Miller*, Marvin Sharp, and Larry Nouvel

2:30 54 Rdl gene polymorphism and sequence analysis in strains of the cat flea Ctenocephalides felis. S. Brunet, A. Boeckh, M. Murray*, J.C. Audonnet, and M. Soll

2:45 55 Validation of an Adult and Larval Packet Tests (APTs) to evaluate tick susceptibility. P. A. Payne*, M. W. Dryden, R. J. Miller, A. Lowe, V. Smith, S. Mailen, and A. Whistler

CONTINUED ON NEXT PAGE
CONTINUED FROM PREVIOUS PAGE

3:00  34 Toxoplasma gondii and schizophrenia: Evaluation of the mood stabilizing agent valproic acid as a preventative for toxoplasmosis in mice. David Goodwin, Sheila M. Mitchell, Jeannine Strobl, and David S. Lindsay

3:15  35 Ultrastructure of monozoic cysts of Cystoisospora canis grown in cell culture. Sheila M. Mitchell*, Anne M. Zajac and David S. Lindsay

3:30  36 Giardia, it’s a snap or not Marjory A. Artzer*, Patricia A. Payne, Michael W. Dryden, Vicki Smith

CONTINUED FROM PREVIOUS PAGE

3:00  56 Efficacy of a topically applied spot-on formulation of metaflumizone on cats against the adult cat flea, Ctenocephalides felis, flea egg hatch and adult flea emergence. Michael W. Dryden*, Patricia A. Payne, Vicki Smith, and D. Rugg

3:15  57 Efficacy of fipronil (9.8% w/w) plus (s)-methoprene (8.8%w/w) and imidacloprid (8.8%w/w) plus permethrin (44%w/w) against Dermacentor variabilis (American Dog Tick) on dogs. M. W. Dryden*, P. A. Payne, V. Smith, A. Lowe, S. Mailen, S. J. Gross, D. S. Carithers

3:30  58 Abstract withdrawn.
### Sunday July 15, 2007, Late Afternoon

**Session VIII. Independence BCD**
**Topic: Small Animal Parasites Moderators: Bob Arther and Araceli Lucio-Forster**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>4:00</td>
<td>A survey of western states for heartworm (<em>Dirofilaria immitis</em>) infection and protocols for heartworm diagnosis and prevention.</td>
<td>D. Bowman*, C. Torre, C. Mannella</td>
</tr>
<tr>
<td>4:15</td>
<td>Predictive values of survey and contrast radiographs in the diagnosis of <em>Spirocerca lupi</em> in apparently healthy dogs, St Kitts, West Indies.</td>
<td>M. M. Fisher*, J. P. Morgan, R. C. Krecek, P. Kelly</td>
</tr>
<tr>
<td>4:30</td>
<td>Prevalence of dermatomycosis and other parasitic disease in dogs and cats with skin diseases, examined in two university clinics from Romania.</td>
<td>I. Mitrea, G. Darabus, M. Ionita, N. Mederle</td>
</tr>
<tr>
<td>4:45</td>
<td>Prevalence determination of fecal-borne parasites detected by zinc sulfate and sugar centrifugal flotation in feline samples from a shelter in upstate New York.</td>
<td>Araceli Lucio-Forster*, Dwight D. Bowman</td>
</tr>
<tr>
<td>5:00</td>
<td>Efficacy of milbemycin oxime in the treatment of dogs experimentally infected with <em>Crenosoma vulpis</em>.</td>
<td>G. Conboy*, A. Bourque, L. Miller, W. Seewald, R. Schenker</td>
</tr>
<tr>
<td>5:15</td>
<td>Advantage Multi™ (10% imidacloprid + 2.5% moxidectin) for the treatment and control of <em>Trichuris vulpis</em> infections of dogs.</td>
<td>R. G. Arther*, S. D. Charles, L. R. Cruthers, T. Janes, D. J. Kok</td>
</tr>
<tr>
<td>5:45</td>
<td>Comparison of three serological tests for the detection of <em>Heterophyes heterophyes</em> antibodies in experimentally infected dogs.</td>
<td>H. M. Elsheikha*, A. Elshazly</td>
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**Session IX. Independence FG**
**Topic: Equine Parasitology**
**Moderator: Martin Nielsen**

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<tr>
<th>Time</th>
<th>Title</th>
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<tr>
<td>4:00</td>
<td>Efficacy of pyrantel pamoate in horses against a macrocyclic lactone-resistant isolate of <em>Parascaris equorum</em>.</td>
<td>CR Reinemeyer*, and AA Marchiondo</td>
</tr>
<tr>
<td>4:15</td>
<td>Comparison of two fecal parasite egg recovery techniques in equine veterinary medicine.</td>
<td>Thomas R. Bello*, and Tammy M. Allen</td>
</tr>
<tr>
<td>4:30</td>
<td>Statistical approach to measure efficacy of anthelmintic treatment on horse farms.</td>
<td>R. M. Kaplan*, A. N. Vidyashankar, S. Chan</td>
</tr>
<tr>
<td>4:45</td>
<td>An intensive approach to therapy of clinical EPM.</td>
<td>Thomas R. Bello*, and Tammy M. Allen</td>
</tr>
<tr>
<td>5:00</td>
<td>Incidental isolation of microfilariae in preparations of equine peripheral blood mononuclear cells and their effect on immunologic assays.</td>
<td>D. K. Howe*, M. Yeargan, E. Lyons, C. Breathnach, D. W. Horohov</td>
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**5:30 PM-7:00 PM**
**Parasite Resistance Committee Meeting**

**7:00 - 9:00 PM**
**Merial Sponsored Social in Independence A**
### Monday July 16, 2007, Early Morning

**Session X – Special Session; Independence DE**

**Topic:** The role of fecal egg count reduction tests in identifying anthelmintic resistance in cattle nematodes

**Moderators:** Craig Reinemeyer and Anne Zajac

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<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Fecal Egg Count Reduction Test (FECRT) Standardization Recommendations for Cattle – An Introduction</td>
<td>B.E. Stromberg*</td>
</tr>
<tr>
<td>8:15</td>
<td>Fecal egg counting procedures / techniques – considerations for FECRT</td>
<td>Andrew A. DeRosa*</td>
</tr>
<tr>
<td>8:30</td>
<td>Arithmetic versus geometric means for estimating percent reduction in FECRT</td>
<td>James A. Thompson*</td>
</tr>
<tr>
<td>8:45</td>
<td>Statistical considerations in the performance and analysis of fecal egg count reduction tests in cattle.</td>
<td>Ray M. Kaplan* and Anand N. Vidyashankar</td>
</tr>
<tr>
<td>9:00</td>
<td>Proposed standardized testing protocol for anthelmintic resistance determination</td>
<td>Harold Newcomb, William Kvasnicka, Donald Bliss, Karla Hart, James Miller, Bert Stromberg*, Louis Gasbarre, Thomas Craig and Laird Laurence</td>
</tr>
<tr>
<td>9:15</td>
<td>Recommendations for standardization of fecal egg count reduction tests in cattle.</td>
<td>Ray M. Kaplan* and Anand N. Vidyashankar</td>
</tr>
<tr>
<td>9:30</td>
<td>Fecal culture procedures / techniques for fecal egg reduction test (FERT) in cattle</td>
<td>T. M. Craig*</td>
</tr>
<tr>
<td>9:45</td>
<td>Status of DNA Technology to Differentiate Nematode Eggs and L3’s.</td>
<td>Michael B. Hildreth* and Aaron F. Harmon</td>
</tr>
</tbody>
</table>

### Monday July 16, 2007, Early Morning

**Session XI – Interesting Diagnostic Cases; Independence BC**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>8:00</td>
<td>Demodecosis in a free-ranging mule deer <em>(Odocoileus hemionus)</em> from Colorado</td>
<td>Lora R. Ballweber*, J. J. Andrews, L. A. Baeton, and Z. Holder</td>
</tr>
<tr>
<td>8:15</td>
<td>Severe infestation of horses with <em>Dermacentor albipictus</em>, the winter tick, in southeastern Oklahoma.</td>
<td>Susan E. Little*, J. L. Talley, D. Sorrell, and E. M. Johnson</td>
</tr>
<tr>
<td>8:30</td>
<td><em>Dioctophyma renale</em> infection in a dog.</td>
<td>Karen Snowden*, N. Ronald, T. Craig, C. Collins, D. Huebner</td>
</tr>
<tr>
<td>8:45</td>
<td>Peritoneal infection of <em>Mesocestoides</em> sp. tetrathyridia in a cat.</td>
<td>Mason V. Reichard*, Amy C. Blessington, Eileen M. Johnson, and Candice E. Akers</td>
</tr>
<tr>
<td>9:00</td>
<td><em>Eurytrema procyonis</em> and pancreatitis in a cat.</td>
<td>Kristin K. Vynhal, Stephen C. Barr, William E. Hornbuckle, Amy E. Yeager, Susan E. Wade, Marguerite F. Frongillo, Kenneth W. Simpson, Dwight D. Bowman*</td>
</tr>
<tr>
<td>9:15</td>
<td>His names not Bob but he is a cat; <em>Vigisospirura</em> in a domestic cat.</td>
<td>T. M. Craig*, A. Buchanan, V. Marlow, and R. Marlow</td>
</tr>
<tr>
<td>9:30</td>
<td>Chronic <em>Eucoleus boehmi</em> infection in a mixed breed dog.</td>
<td>P. A. Payne*, M. W. Dryden, V. Smith, A. Lowe, S. Mailen</td>
</tr>
<tr>
<td>9:45</td>
<td>Heterobilharziasis in a dog.</td>
<td>N. Wilson, E. M. Johnson*, J. Brunker, and J. Ritchey.</td>
</tr>
</tbody>
</table>
**Monday July 16, 2007, Late Morning**

**Session X cont.**

*Independence DE*

**Topic:** The role of fecal egg count reduction tests in identifying anthelmintic resistance in cattle nematodes  
**Moderators:** Craig Reinemeyer and Anne Zajac

10:15 81 Structure of a national data base for parasite evaluation by fecal egg count. William G. Kvasnicka*, Donald H. Bliss, and Harold Newcomb

10:30 82 Summary results from national data base on fecal worm egg counts. Donald H. Bliss*, William G. Kvasnicka, and Harold Newcomb

10:45 83 FECR Test of anthelmintics in Kentucky beef calves. Gil Myers*, Patty Scharko, Jim Miller, and Harold Newcomb

11:00 84 Can sharp anthelmintic decisions be made using a blunt diagnostic tool? Disparities between FECRT and worm counts in New Zealand cattle infected with ML-resistant Cooperia. J. Wrigley and M.J. McArthur*

11:15 85 Effective use of combination anthelmintic treatments in controlling resistant cattle nematode parasites. Larry L. Smith and L. C. Gasbarre

11:30 PANEL DISCUSSION:  
*The role of fecal egg count reduction tests in identifying anthelmintic resistance in cattle nematodes*  
**Moderators:** Craig Reinemeyer and Anne Zajac

---

**Monday July 16, 2007, Late Morning**

**10:15 AM-11:45 AM Session XII.**

*Independence BC*

**Topic:** Interesting Diagnostic Cases, Round 2  
**Moderators:** Rhonda Pinckney and Sheila Mitchell

10:15 94 Intestinal obstruction in a cat due to *Taenia taeniaeformis*. Rebecce S. Wilcox, Dwight D. Bowman*, Stephen C. Barr, and James M. Euclid


10:45 96 Fatal amoebiasis in Oriole Warblers (*Hypergerus atriceps*). Karen Snowden*, William Wigle, Joseph Flanagan

11:00 97 *Balantidium coli* in your nonhuman primate colony: commensal ciliate or potential pathogen? Trisha R. Putro, B.S. Latg*, and Wanda West.

11:15 98 Duodenal crypt abscess associated with *Giardia lamblia* infection in a 27-year-old man. Attef M. Elshazly*, Nashwa A. Elsaied, and Hany M. Elsheikha

11:30 99 Simultaneous occurrence of pulmonary and hepatic hydatid cysts in a 10-year-old girl. Attef M. Elshazly* and Hany M. Elsheikha
Monday July 16, 2007, Early Afternoon

1:30 PM-3:30 PM  Session XIII.
Independence DE
Topic: Immunology and Host/Parasite Interactions
Moderator: Patrick Meeus

1:30  100  Helminth infection induces a persistently altered pulmonary environment dominated by alternatively activated macrophages. Joshua J Reece*, Mark C Siracusa, Joseph F Urban, and Alan L Scott

1:45  101  Alveolar macrophages isolated from the lungs of pigs infected with Ascaris suum exhibit a unique phenotype. Gloria I. Solano-Aguilar, A. Kendall, M. Restrepo, N. Schoene, E. Beshah, H. Dawson, J. Urban*

2:00  102  A TGF-β homologue identified from Ascaris suum 4th stage larvae (L4): Evidence for development-related transcription and incomplete gene splicing. Dante S. Zarlenga* and Joseph F. Urban Jr

2:15  103  Strain-dependent differences in host response to Schistosoma mansoni infection in murine model: Role of eosinophils in bilharzial nodules. H. S. Hussein, B. L. Doughty, H. M. Elsheikha*

2:30  104  Clinicopathological effects of infection with Schistosoma mansoni and simultaneous exposure with Malathion in Outbred albino mice. Hany M. Elsheikha* and Hussein S. Hussein

2:45  105  Protective immunity of channel catfish against parasite Ichthyophthirius. De-Hai Xu*, P. Klesius, C. Shoemaker

3:00  106  Oxidation defense in mosquitoes benefits malaria parasites. Qian Han*, Seong-Ryul Kim, Howard Robinson, Yi-Gui Gao, Nancy Vogelaar, Haizhen Ding, and Jianyong Li

3:15  107  Toxoplasmosis: Pattern of Th1/Th2 cytokine production in naturally infected women. Attef M. Elshazly* and Hany M. Elsheikha

Monday July 16, 2007, Late Afternoon

4:00-6:00
AAVP Business Meeting/Awards
Independence FGH

President Dan Snyder

4:00-4:30  PRESIDENTIAL ADDRESS-Dan Snyder

4:30-5:30  AAVP BUSINESS MEETING

5:30-6:00  AAVP AWARDS/PICTURES
All award recipients, including student travel grant awardees, and all students in the paper competition, please plan to attend!

7:00 - 9:00 PM
NOVARTIS ANIMAL HEALTH SPONSORED SOCIAL
in Independence BCD

4:00-4:30 PM BREAK
52nd Annual Meeting of the AAVP – preliminary program

Tuesday July 19, 2005, Morning

8:00 AM-12:00 PM Session XIV. AAVP/AVMA PRESIDENT’S SYMPOSIUM
Washington Convention Center (9th & L)
Topic: Use of a National Pet Hospital’s Electronic Database and Practice Surveys for Nationwide Epidemiologic Studies of Parasites of Companion Animals

Moderator: Dan Snyder

8:00  108  Description of a national pet hospital’s electronic database. Elizabeth M. Lund*

8:15  109  Findings on the epidemiology of feline heartworm diseases in the United States. Elizabeth M. Lund*

8:35  110  An epidemiological analysis of heartworm preventives. Larry Glickman*, Nita Glickman, George Moore, Evan Apotheker, James Lok, and John McCall

9:00  111  American Heartworm Society canine heartworm infection (Dirofilaria immitis) survey. Jorge Guerrero*

9:45 - 10:00 AM BREAK

10:00  112  Prevalence and risk factors for flea and tick infestations. Lynn Guptill*, Nita W. Glickman, and Larry T. Glickman


11:30 to Noon Roundtable Discussion – All Speakers

LUNCH 12:00 PM-1:00 PM

Tuesday July 19, 2005, Afternoon

12:30 PM-4:00 PM Session XV.
EDUCATORS SESSION
COMPANION ANIMAL PARASITE COUNCIL
SPONSORED LUNCH
Independence FGH

12:30-1:30 BOX LUNCH PROVIDED TO PARTICIPANTS/ATTENDEES

Topic: Veterinary Parasitology Education

Moderators: Sharon Patton and Lora Ballweber

1:30  114  A, B, C, D or E: Writing Exam Questions. Anne Zajac*

2:00  115  Implementation of techniques to allow in-class assessment of student learning: applications for veterinary parasitology instruction. Susan E. Little*, Mason V. Reichard, and James H. Meinkoth

2:30  116  Do I have to know this for the test? Reinforcing concepts. Sharon Patton*

2:45  117  Laboratory Exercise 3: Generation of fecal technique comparison data by students. Patricia A. Payne*, Michael W. Dryden, Vicki Smith, Amy Lowe, and Sara Mailen

3:00  118  Detailed photomicroscopic examination of Haemonchus contortus. Sue B. Howell*

3:15  119  Enhancement of Parasitology courses education and training by online multimedia interactive presentations: Preliminary evaluation. Hany M. Elsheikha*

3:30-4:00 GENERAL DISCUSSION – all attendees. Topic: Immediate and future needs in veterinary parasitology education – the veterinary curriculum and beyond.

4:00 PM MEETING ADJOURNS –
– SAFE TRAVELS!
Please use this form or register on-line (www.aavp.org) for the payment of dues to the AAVP for 2007 and to register (optional) for an electronic subscription to Veterinary Parasitology (VetPar). The 2007 dues year runs from September 1, 2007 to August 31, 2008. 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.

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Institution/Business Affiliation

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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: ($30.00 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 now accepts Credit Cards (MC/VISA) on-line or by contacting the Secretary/Treasurer.

Amount enclosed:

$30.00 regular dues only ☐
$10.00 student dues only ☐
$60.00 regular dues plus VetPar ☐
$40.00 student dues plus VetPar ☐

Return to:

Dr. Alan A. Marchiondo
Secretary/Treasurer, AAVP
c/o IVX Animal Health, Inc.
3915 S. 48th St. Terrace
St. Joseph, MO 64503-4711 USA
816-676-6151; Fax 816-676-6874
e-mail: alan_marchiondo@ivax.com

If you have any questions about your dues status, please call or email Al Marchiando.
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 2008 dues year runs from September 1, 2007 to August 31, 2008.** As an AAVP member, an electronic subscription to Veterinary Parasitology (VetPar) is available annually for an additional $30.00.

<table>
<thead>
<tr>
<th>Name and Academic Degree(s)</th>
<th>Institutional/Business Affiliation</th>
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<tr>
<td>Mailing Address (Office/Lab)</td>
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<td>Phone Number</td>
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<tr>
<td>Email Address (required)</td>
<td>Email Address (required) to receive AAVP Newsletter and VetPar</td>
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Area(s) of Interest, Research, Teaching, etc.

Amount enclosed (check one): $30.00 Regular dues only $10.00 Student dues only

$60.00 Regular dues + VetPar $40.00 Student dues + VetPar

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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

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<tr>
<td>October 2007</td>
<td>September 20, 2007</td>
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<tr>
<td>February 2008</td>
<td>January 20, 2008</td>
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<tr>
<td>June 2008</td>
<td>May 20, 2008</td>
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Please contact the editor with questions regarding these dates.