AAVP Newsletter

American Association of Veterinary Parasitologists

June, 2001 **Volume 23, Number 2**

From the President

From the President:

Joe Urban and Dan Snyder have everything going full throttle for the Boson meeting. We are in a beautiful venue, the Westin Copley Place, with great meeting rooms. The program is of the quality we have all come to expect of the AAVP. In addition, the Committee chairs have been hard at work conducting the business of the Association. If you didn't know, many of the duties of the AAVP are handled by committees. The Business meeting will be busy with Constitutional amendments, reports and Association activities, as well as some well-deserved awards. Plan to come to Boston for an exciting look at the world of veterinary parasitology. This is my last offering to the AAVP newsletter as President. I want to take this opportunity to thank the many members who volunteered time and effort to the AAVP. We run a completely volunteer effort that turns out a premium product, the forum for veterinary parasitology in North America. I want to thank the committee chairs and members for their efforts this year and urge you to get your name on a committee for next year. These are relatively painless activities that mean a great deal to the mission of the AAVP. Find a committee chair or one of the elected officers and sign up to work for your AAVP. Also, take a minute to encourage someone to join the AAVP. New members and student involvement should be a focus for every year. Thanks to Joe Urban for his efforts to put together a quality program as well as a round of applause for conquering the electronic submission dragon. We have moved into the next century with the proper tools. This missive would not be complete without acknowledging the extraordinary efforts of Secretary/Treasurer Dan Snyder. He is the beacon that keeps us focused on the mission of the AAVP and is the workhorse of the group. Please be sure to give him your thanks at the meeting. I look forward to seeing all of you in Boston! *Tom Kennedy, President AAVP.*

From the Secretary Treasurer

From the Secretary/Treasurer

The 46th Annual Meeting of the AAVP is fast approaching. As of June 12th, almost 90 people have pre-registered for the meeting. All of the AAVP functions except the President's AVMA/AAVP joint symposium will be held in the Westin Copley Place Hotel in Boston. Joe Urban has assembled a very exciting scientific program, which kicks off at 2:00 PM on Saturday

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July 14 th and ends at noon on Tuesday July 17th with Tom Kennedy's President's Symposium on Persistent Protozoans: Progress and Promises. On Saturday evening we will have an AAVP sponsored "Welcoming Social", on Sunday evening a "Social sponsored by Bayer" and this year on Monday evening will be a free night for meeting attendees to explore and enjoy the Boston nightlife and great seafood. The AAVP business meeting, Presidential address and awards presentations will be on Monday afternoon July 16. A listing of the Program titles, times and room locations are listed elsewhere in the Newsletter as well as being listed on the AAVP web site (www.aavp.org). In mid-June, a postcard will be mailed to those meeting attendees who pre-registered and this card will serve as your receipt and evidence of registration. Please bring to the meeting the card as your evidence of registration. The onsite staff in Boston will provide you with pre-printed name badges (if you pre-registered), the Proceedings book and other meeting materials starting at 10 AM on Saturday. Please contact me if you have any questions about your pre-registration. For those who did not pre-register, a table will be set up outside the meeting rooms on Saturday and you can register on site starting at 10 AM and all day Sunday. At the registration table will be several items related to the meeting including the membership dues list (check to see if your dues are current; if not please consider paying at the meeting), the membership mailing list (confirm that I have your correct mailing address, phone, fax and email numbers), and a list of AAVP committees for those who would like to volunteer. If you did not get a reservation in the Westin Copley Place Hotel, the AVMA will run a shuttle service between the various hotels that we are free to use. For those members who are unable to attend the Boston meeting, the Proceedings book will be mailed to you after the meeting in early August. Hope to see you in Boston! *Submitted by Dan Snyder, Secretary-Treasurer, AAVP. Phone: 317/277-4439; fax: 317/277-4532; email:* snyder_daniel_e @Lilly.com. *Submitted by Dan Snyder, Secretary-Treasurer, AAVP. Phone: 317/277-4439; fax: 317/277-4532; email: snyder_daniel_e@ Lilly.com.*

In Memoriam

Dr. Robert C. Bergstrom, a long-time AAVP colleague, mentor and friend, died April 29, 2001 in Sheridan, Wyoming. Dr. Bergstrom was born March 23, 1922 in Newcastle, Wyoming. He served in the Navy during World War II and subsequently received his B.S. degree from Colorado State University. He earned his doctorate at the University of Wyoming, where he retired in 1987.

Dr. Bergstrom received many honors for service and scholarly excellence. He had passions for veterinary parasitology, for teaching, and for extension work throughout Wyoming. His friends will remember his many contributions to parasitology; they will also remember his unusually kind and generous nature.

Memorials may benefit the Dr. Robert Bergstrom Memorial Educational Fund, in care of Delphine Toner, First Interstate Bank, Box 2007, Sheridan, WY 82801. Dr. Bergstrom's wife, Mrs. Pat Bergstrom, may be reached at 1757 North Heights Circle, Sheridan, WY 82801.

Awards

2001 AAVP Awards

The awards committee selected the following individuals for awards, which will be presented and recognized at this years AAVP business meeting in Boston.

AAVP-Intervet Graduate Student Award (sponsored by Intervet): The AAVP-Intervet Graduate Student Award recipient is Andy Cheadle, graduate student at University of Florida.

AAVP Distinguished Veterinary Parasitologist Award (sponsored by Pfizer Animal Health): The AAVP Distinguished Veterinary Parasitologist Award recipient is Dr. Byron Blagburn, Professor of Veterinary Parasitology, Auburn University. Please look for a bibliography about Dr. Blagburn in the

Proceedings Book. Also, a synopsis of his talk presented at the meeting will appear in the October 2001 AAVP Newsletter.

AAVP Young Investigator Travel Grant Awards Winners: It is my pleasure to inform you that the following deserving students were awarded travel grants to attend our meeting. The students names along with their institution and advisor are Amber Appelbee (University of Calgary, Merle Olsen), Alex Baudena (Louisiana State University, Tom Klei), S.A. Bembenek (Kansas State University, Mike Dryden), Marion Butcher (University of Missouri, Antoinette Marsh), Jennifer Edmonds (Louisiana State University, Tom Klei), T.D. Everson (Kansas State University, Mike Dryden), Mary Ellen Fontenot (Louisiana State University, Jim Miller), Satomi Kato (Cornell University, Dwight Bowman), Helene Kringel (USDA Beltsville, Joe Urban), Elizabeth Kruttlin (Michigan State University, Linda Mansfield), Annette Njue (McGill University, Roger Prichard), Maria Pena (Louisiana State University, Jim Miller), Kali K. Phelps (Virginia Tech University, David Lindsay), and Alexa C. Rosypal (Virginia Tech University, David Lindsay). I am sure we all look forward to hearing their presentations. *Submitted by David S. Lindsay, Chairman, AAVP Awards Committee, Department of Biomedical Sciences and Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech, 1410 Prices Fork Road, Blacksburg, Virginia 24061.* □

Committee Reports

AAVP Election Results: Report from the Nominating Committee

The AAVP Nominating Committee (Dr. Tim Geary, Chair; Linda Mansfield, Susan Little, Phil Scholl, Ann Donoghue and David Lindsay) wishes to congratulate the winner of the AAVP election ballot for Vice President and the new members of the Nominating Committee. Based on the results of the election, Dr. Craig R. Reinemeyer, East Tennessee Clinical Research Inc., Knoxville, TN, has been elected as Vice President and Program Chair for 2001-2002. Dr. Lora Rickard Ballweber, Mississippi State University, Mississippi State, MS, and Dr. Sharon Patton, University of Tennessee, Knoxville, TN, have been elected as new members of the Nominating Committee. *Submitted by Tim Geary.* □

Letter from the Editor

Change in AAVP Newsletter Editors

After the distribution of the June 2001 Newsletter, I will resign as AAVP Newsletter editor and shift the assignment to Dr. Susan Little of the University of Georgia. I give my thanks to all of you for a wonderful term as editor! I sincerely enjoyed the opportunity to serve the veterinary parasitology community. I took the job in 1994 and followed Ray Gamble's fine lead. During the last 7 years, I have written some articles, edited some articles and met a large number of you in the Society. It was greatly enjoyable, but I am turning my focus to my research program and have accepted the Co-Editorship of the journal Veterinary Parasitology. My only hope is that I can contribute and build this journal as effectively as Dr. Jimmy Williams has during his term as editor. I hope I can again call on all of you to continue to enhance our efforts at publishing quality materials from our members, while maintaining the vision of research and clinical excellence in veterinary parasitology. *Respectfully submitted by Linda Mansfield.* □

Positions Available

Clinical Veterinary Parasitologist, Central Veterinary Research Laboratory in Dubai, United Arab Emirates

Positions for Veterinarians – The Central Veterinary Research Laboratory in Dubai, United Arab Emirates requires a qualified Clinical Veterinary Parasitologist with 5 years of work experience. Experience in pathology and molecular biology will be an asset. Apply in writing with CV to Central Veterinary Research Laboratory, P.O. Box 597, Dubai, United Arab

Emirates, Telephone: (9714) 3375 165, Fax: (9714) 3368 638, email: microbio@emirates.net.ae.

Professor of Veterinary Parasitology

KVL (The Royal Veterinary and Agricultural University, Copenhagen, Denmark) invites applications for the chair as full Professor of Veterinary Parasitology in the Department of Veterinary Microbiology. The appointment is expected to be effective from the 1st of March 2002 or as soon as possible thereafter.

The Professor will be head of the Section of Parasitology and will be responsible for Veterinary Parasitology as a discipline within KVL. The duties encompass participation in research and teaching related to parasitoses of domesticated animals, including host/parasite interactions, pathogenesis, epidemiology and other parasitological aspects of animal health, production and welfare.

The appointment will be in accordance with the Danish Ministry of Research Directive 820 of August 31, 2000. The chair is a salary scale 37 post and will be filled in accordance with the agreement between the Danish Ministry of Finance and AC (the Federation of Graduate Employee Unions). KVL is willing to negotiate a personal salary increment with the relevant union, so that the post will carry a total annual salary of approximately DKK. 478.067 exclusive of pension contributions.

Potential applicants should request the complete advertisement for the professorship before applying. The complete recruitment advertisement can be found on KVL's WEB-page (http://www.kvl.dk/research/) or can be requested from: The Royal Veterinary and Agricultural University, The Staff Office, Bülowsvej 17, 1870 Frederiksberg C, Denmark, tel. (+45)35282022. Please refer to no. 628-3 at inquiring. The closing date for applications is the 31st of August 2001, at 12.00. This advertisement is an extract on which the application cannot be based.

Database Information

Useful Parasitology Websites

The following two websites provide an index to a variety of other parasitology resources and may prove helpful for teaching or research purposes. They are: http://bugs.uah.ualberta.ca/webbug/parasite/artifact/parasite_links.htm and http://www.research.teagasc.ie/grange/veturlpa.htm.

Future Meetings

10th International Congress of Parasitology, ICOPA X

This is the second announcement for the 10th International Congress of Parasitology, ICOPA X, Parasitology in the New World. The meeting will be held August 4 to 10, 2002 in Vancouver, Canada. ICOPA X is sponsored by the Canadian Society of Zoologists (Parasitology Section) and the American Society of Parasitologists. For further information please contact ICOPA X, Conference Secretariat, Venue West Conference Services Ltd., #645-375 Water Street, Vancouver, B.C. Canada V6B 5C6.

Tufts Animal Expo 2001

Tufts Animal Expo 2001 will take place October 10-13, 2001 at the Hynes Convention Center in Boston. Our 2001 program features more than 175 expert speakers participating in over 515 hours of educational programming for professionals in veterinary medicine (veterinarians and technicians), animal care and human health. Our goal in planning Tufts Animal Expo is to produce an inclusive program that provides our attendees with the most current and cutting edge information possible -- information that they can take with them and use to improve animal and human health and well-being. As you can well imagine, formulating such an extensive and diverse educational program, and assuring that it meets the needs of our attendees, is a massive undertaking. Our Program Advisory Committee is currently in the early stages of planning for our 2002 Expo and we would like to ask you and your members for your help. We would be greatly

appreciative if you could let us know what kind of animal health related educational programming would be most beneficial for you.

Many topics concerning the health and well-being of animals, and the interaction among and impact of animals on human health and the environment are covered in our programming. We have some programs that are designed for veterinarians, some for technicians, others for animal care professionals, and still others are designed for human health professionals. Some of the most exciting sessions are designed to be of interest to ALL Expo attendees.

Please help make Expo as useful as possible for the attendees by sharing this message with your members, and by filling out the below questionnaire and sending it to us by return email. Thank you very much, in advance, for helping to make Tufts Animal Expo the premier veterinary medicine led conference and trade show in the world.

To those responding to this questionnaire: Please answer the following questions, and send to us by return email, providing your name, address, phone number and email address:

1. Which topics or themes would you suggest for half-, full- or multi-day (how many days?) lecture sessions, laboratories, workshops, meetings of the minds interactive sessions, other sessions (please provide a brief description of the suggested content topics)?
2. Should the sessions you suggest be at the beginning or advanced level or both?
3. Which instructors, would you suggest for Expo? In which area(s) are they expert, and for which topic(s) do you suggest them?
4. Which session chair/track leader would you suggest to develop and manages the session(s) you suggested?
5. Who would make a good Keynote Speaker for Expo?
6. Do you have an idea for a novel kind of educational session that could be incorporated into the program?

Please visit our web site at www.tuftsanimalexpo.com or call 1-800-642-9429.

Sincerely yours, Dr. Anthony Schwartz, Program Director, Tufts Animal Expo, Chair, Tufts Animal Expo Program Advisory Committee.

Future Meetings of the AAVP

46th Annual Meeting of AAVP

Preparations are nearly complete for the 46th annual meeting of AAVP. We head back to the East Coast and to Boston, MA from July 14-17. In addition to the excitement of the big city, there will be equally exciting symposia, social events, paper presentations and opportunities for conversation with old and new friends and colleagues. The program has been assembled and appears in this issue of the newsletter. We have included a number of young scientists as session moderators to support the vigor of the AAVP and to enhance interactions. I am looking forward to seeing you all in Boston! ***Submitted by Joe Urban, Program Chair.***

Future AAVP meetings:

47th meeting in 2002 - Nashville
48th meeting in 2003 - Denver
49th meeting in 2004 - Philadelphia
50th meeting in 2005 - Minneapolis
51st meeting in 2006 - Honolulu

Program for 2001 AAVP Meeting

Saturday, July 14, 2001

10:00 AM-7:00 PM Registration
Room: Essex Ballroom Foyer
&
3rd Floor Convention Office

10:00 AM-1:30 PM AAVP Board Meeting
& Luncheon
Room: Flying Cloud

2:00-2:15 PM Opening Remarks
Room: Essex North
President: T. Kennedy
Vice President & Program Chair: J. Urban

Session I. Room: Essex North
AAVP SYMPOSIUM:
"Parasite Activation & Modulation of Immune Effector Mechanisms"
Moderator: J. Urban

2:15 1 Parasitic worms may be good for you! How helminth infection may help prevent Th1-type autoimmune diseases. D. Harn

2:55 2 Tales from the crypts: Role of Th2-cytokines in parasite-induced changes in gut function. T. Shea-Donohue

3:35 3 Allergic skin disease in dogs and cats: Role of ectoparasites and free-living arthropods**.** D. Wassom

4:15-4:45 Break

Session II. Room: Essex North
Topic: Immunology & Pathology of Livestock Parasites
Moderators: C. MacKenzie, H. Kringel

4:45 4 Effect of CpG oligodeoxynucleotide (ODN)-induced immune activation of porcine immunity to infection with *Toxoplasma gondii*. H. Kringel*, J.P. Dubey, E. Beshah, R. Hecker, J.F. Urban

5:00 5 Evaluation of cell-mediated immune response of horses immunized with a killed *Sarcocystis neurona* vaccine. A. E. Marsh, P.J. Johnson, J. Lakritz, Yu-Wei Chiang*, Hsien-Jue Chu

5:15 6 PCR and serological evaluation of the abortive role of *Neospora caninum* in dairy cattle from the west of France. P. H. Pitel* S. Pronost, M.F. Legendre, G. Fortier, J. J. Ballet

5:30 7 Effect of $CD4^+$ T lymphocyte depletion on resistance of Gulf Coast Native sheep to *Haemonchus contortus* infection. M. Peña,* J. Miller, D. Horovov, M. Dietrich

5:45 8 Eosinophils as an active cellular component with the abomasal lymphoid response to *Ostertagia* in the sheep. S. Johnson, C. MacKenzie*, M. Ali, R. Eversole, J. Williams.

6:00 9 Changes in alveolar macrophage activity in pigs infected with *Ascaris suum*. G. Solano-Aguilar, N. Schoene, E. Beshah, M. Morimoto, J.F. Urban*

Session III. Room: Essex Center
Topic: Ectoparasites
Moderators: D. Bowman, B. Blagburn

4:45 10 A novel *Cimex lectularius* – Rodent assay for the detection of systemic ectoparasiticide activity. D.A. Ostlind*, S. Cifelli, J.A. Conroy, W.G. Mickle, D.V. Ewanciw, F.J. Andriuli, P. Ho

5:00 11 Efficacy and safety of two different dose rates of selamectin against naturally acquired infestations of *Psoroptes cuniculi* in rabbits. J. A. Hair*, D.J. Walstrom, R.J. Hack

5:15 12 *In vitro* effects of ACAREXX™ (0.01% ivermectin) otic suspension on the hatching of the eggs of the cat ear mite, *Otodectes cynotis*. D.D. Bowman*, S. Kato, E.A. Fogarty, K. Henley

Saturday, July 14, 2001 continued

5:30 13 Imidacloprid (Advantage) international flea susceptibility monitoring: Update 2001 and outlook. M.B. Vaughn*, B.L. Blagburn, D.L.Bledsoe, I. Denholm, M.W. Dryden, O. Hansen, N.C. Hinkle, T. Hopkins, D.E. Jacobs, H. Mehlhorn, N. Mencke, M.K. Rust

5:45 14 In vitro susceptibility to Imidacloprid of four laboratory strains of the cat flea *Ctenocephalides felis*. M.W. Dryden*, B.L. Blagburn, D.L. Bledsoe, I. Denholm, O. Hansen, N.C. Hinkle, T. Hopkins, D.E. Jacobs, H. Mehlhorn, N. Mencke, M.K. Rust, M.B. Vaughn

6:00 15 In vitro susceptibility to Imidacloprid of 17 field-collected isolates of the cat flea *Ctenocephalides felis*. B.L. Blagburn*, D.L. Bledsoe, I. Denholm, M.W. Dryden, O. Hansen, N.C. Hinkle, T. Hopkins, D.E. Jacobs, H.Mehlhorn, N. Mencke, M.K. Rust, M.B. Vaughn

7:00 - 9:00 PM Room: Staffordshire
AAVP WELCOMING RECEPTION

Sunday, July 15, 2001

Session IV Room: Essex North
Topic: Apicomplexa (I)
Moderators: R. Fetterer, M. Rossano

8:30 16 Efficacy of ponazuril for treatment of coccidosis caused by experimental infection with *Isospora suis* in neonatal swine. G.H.Myers III*, T.J. Kennedy, W.L. Davis

8:45 17 Lack of serological antibody responses to *Sarcocystis neurona* in cats with *Toxoplasma gondii* titers. S. Lewis, A.J. Murphy, M.G. Rossano*, L.S. Mansfield

9:00 18 Inhibition of development of *Cryptosporidium parvum* in fresh fruit juices by chemical treatment. K.K. Phelps*, D.S. Lindsay, R. Fayer, S.S. Sumner

9:15 19 Modeling the inactivation of *Cryptosporidium parvum* oocysts in field soil. S. Kato*, E.A. Fogarty, D.D. Bowman

9:30 20 Interactions between dietary betaine and avian coccidiosis. P.C. Augustine, R.H. Fetterer*

9:45 21 Activity of garlic (*Allium sativum*) and sulphaquinoxaline-amprolium mixture against cryptosporidiosis in neonatal BALB-c mice. M.N. Abo-Shehada*, A.H. Atta, A.M. Abdelfattah

10:00-10:30 Break

Session V. Room: Essex Center
Topic: Companion Animal (I)
Moderators: T. Nolan, P. Payne

8:30 22 *Tritrichomonas foetus* is the causative agent of the recently described feline intestinal trichomonosis. M.G. Levy*, J.L. Gookin, M.F. Poore, M.J. Dydstra, R.W. Litaker

8:45 23 Evaluation of the efficacy of Drontal^{tm} Plus and GiardiaVax^{tm} to eliminate cyst shedding in dogs naturally infected with *Giardia sp*. P.A. Payne*, M.W. Dryden, R.K. Ridley.

9:00 24 Comparison of a quantitative cyst/gram, $ZnSO_4$ flotation technique with an enzyme immunoassay (ProSpect® Giardia Rapid Assay) to diagnose *Giardia sp* infections in dogs. P.A. Payne, M.W. Dryden, R.K. Ridley*****

9:15 25 Relationship between use of a heartworm preventative and gastrointestinal parasite infections in dogs. T.J. Nolan*

9:30 26 The efficacy of selamectin administered to cats during pregnancy and lactation against *Toxocara cati* and *Ctenocephalides felis* in queens and their

offspring. N.A. Evans*, M. Payne-Johnson, T.P. Maitland, D.J. Cooke, M.G. Murphy, A. McLoughlin, D.J. Shanks, J. Sherington, T.G. Rowan, A.D. Jernigan

9:45 27 Comparative evaluation of topically applied Imidacloprid, permethrin, selamectin and fipronil for control of fleas and ticks on dogs. R. Arther*, J.Cunningham, R. Everett

10:00-10:30 Break

Session VI Room: Essex North
Topic: Apicomplexa (II)
Moderators: L. Mansfield, A Rosypal

10:30 28 Gamma interferon knockout mouse model for *Sarcocystis Neurona*. J.P. Dubey*

10:45 29 *Sarcocystis* isolate MICB1 from muscle of brown-headed cowbirds (*Molothrus ater*) develops in opossums and produces neurological disease in gamma interferon knockout mice. L.S. Mansfield*, K. Nelson, A.J. Murphy, B. Knust, M.G. Rossano, J.S. Patterson, P. Gearhart, S. Lynch, A. Cheadle, E. Greiner, J.B Dame, H.C. Schott, J.B. Kaneene

11:00 30 Sporocyst induced *Sarcocystis neurona* infections in mice lacking the gene for inducible nitric oxide synthase. A. Rosypal*, D.S. Lindsay, R.B. Duncan, Jr, S. Ansar Ahmed, A.M. Zajac, J.P. Dubey

11:15 31 Impact of the first commercial *Neospora* vaccine on annual abortion rate in a dairy herd. L. Choromanski*, J. Zimmerman, S. Rodgers

11:30 32 *Neospora* vaccination in an ovine model. R.M. O'Handley*, S.A. Morgan, C. Parker, M.C. Jenkins, J. McCrary, O. Kwok, J.P. Dubey

11:45 33 Prevalence rate of cryptosporidiosis in domestic and industrial poultry in Urmia, Iran. S. Naem*

12:00-1:30-LUNCH
GRADUATE STUDENT LUNCHEON
Room: St. George A,B

Session VII. Room: Essex Center
Topic: Companion Animal (II)
Moderators: A. Marchiondo, M. Dryden

10:30 34 Efficacy of selamectin in controlling natural flea infestations on pets and in private residences in comparison with Imidacloprid and fipronil. M.W. Dryden*, S. Burkindine, T. Lewis, L. Houdeshell, I. Rodriquez, R. Hack

10:45 35 Reduced viability of *Ctenocephalides felis* eggs following contact with cats previously treated with selamectin. M. W. Dryden*, V. Smith, P.A. Payne, R. Hack

11:00 36 The efficacy of selamectin against biting lice on dogs and cats. T. McTier*, P. Gautier, G. Pengo, D.J. Shanks, N. A. Evans, T.G. Rowan, A.D. Jernigan

11:15 37 The efficacy of selamectin administered to dogs during pregnancy and lactation against *Toxocara canis* and *Ctenocephalides felis* in dams and their offspring. T. L. McTier*, M. Payne-Johnson, T.P. Maitland, D.J. Cooke, M.G. Murphy, A. Cloughlin, D.J. Shanks, J. Sherington, T.G. Rowan, A.D. Jernigan

11:30 38 Efficacy of Fipronil/(S)-Methoprene combination spot-on against the cat flea (*Ctenocephalides felis*) on dogs. A.A. Marchiondo*, D.R. Young, P.C. Jeannin

11:45 39 Efficacy of Fipronil/(S)-Methoprene combination spot-on against the cat flea (*Ctenocephalides felis*) on cats. A.A. Marchiondo*, S.E. Green, D.H. Wallace P.C. Jeannin

12:00-1:30 LUNCH

Sunday, July 15, 2001 continued

GRADUATE STUDENT LUNCHEON
Room: St. George A,B

Session VIII. Room: Essex North
Merial/AAVP SYMPOSIUM
"Gene Expression in Livestock Species and their Parasites'
Moderator: J. Guerrero

1:30 40 Developing unique sheep models for gene expression profiling. C.B. Shoemaker

2:10 41 Genomic tools to improve parasite resistance. T. S. Sonstegard

2:50 42 High throughput gene discovery in parasitic nematodes: Results from an initial 40,000 ESTs. J. P. McCarter

3:30-4:00 Break

Session IX Room: Essex North
Molecular Biology of Parasitism
Moderators: P. Arasu, A. Njue

4**:00 43** The application of cDNA microarrays in the identification of expressed and repressed genes associated with 4th stage larvae (L4) of *Ascaris suum*. M. Morimoto, D.S. Zarlenga*, H. Beard, B.F. Matthews, J. F. Urban

4:15 44 Characterization of a potentially new member of the *Ancylostoma* secreted protein (ASP) family in the hookworm, *Ancylostoma caninum*. P. Arasu*

4:30 45 Ivermectin resistance in *Cooperia oncophora* and beta-tubulin. A.I. Njue*, R.K. Prichard.

4:45 46 Cloning and expression of an abundant 29kDa antigen of *Sarcocystis neurona*. S.P. Ellison, L. Omara-Opyene, C. A. Yowell, A.E. Marsh, J. B. Dame*

5:00 47 Treatment of *Cryptosporidium parvum* sporozoites with antibodies to a recombinant CP47 surface antigen inhibits *in vitro* parasite development. M.C. Jenkins*, J. Trout, R. Fayer.

5:15 48 Cloning and Survey of the *Ctenocephalides felis* GABA Receptor *Rdl* Cyclodiene Resistance Allele. N. Wisnewski*, P.J. Gaines, S.J. Walmsley, K.S. Brandt.

Session X. Room: Essex Center
Management of Ruminant Parasites
Moderators: R. Rew, S. Rajan

4:00 49 Therapeutic and persistent efficacy of moxidectin pour-on against nematode parasites of cattle. S. Ranjan* K.L. Simkins

4:15 50 Impact of doramectin and ivermectin/clorsulon on parasite control and productivity of grazing stockers: heifers versus steers. R.S. Rew*, L. Hollis, B. Lowe

4:30 51 Gastrointestinal nematodes on a grazing dairy operation: Effect of parasite control on production and parasite transmission. L.C. Gasbarre*, W. L. Stout, L. Lohr, J. Guerrero

4:45 52 Efficiency of feeding *Duddingtonia flagrans* chlamydospores to grazing ewes on reducing availability of parasitic nematode larvae on pasture. M.E.Fontenot*, J.E. Miller, M. Larsen, A. Gillespie

5:00 53 Method validation for louse transfer of *Bovicola bovis* and *Linognathus vituli* from donor to principal cattle. A. A. Marchiondo*, J.A. Feltner, R.E. Plue, D.H. Wallace, M.N. Romano, W. K. Langholff , L. Cramer

5:15 54 Persistent effect of Ivomec® topical in preventing the establishment of lice. J. Holste*, B. Kunkle, K. Sterner, W. Langholff, L.Cramer, M. Romano, D. Wallace

Sunday, July 15, 2001 continued

7:00-9:00 P.M. Room: Essex South
BAYER SOCIAL

Monday, July 16, 2001

Session XI. Room: Essex North
Equine Parasites (I)
Moderator: M. Cheadle, E. Greiner

8:30 55 A strategic approach to endoparasite control on a thoroughbred stud. E.M. Abbott*, D.J. Baker, M. Keynes, J.P. Barley

8:45 56 The effect of larvicidal treatments with fenbendazole on the weight and gross appearance of cecal and colonic mucosa in horses with naturally acquired cyathostome infections. C.R. Reinemeyer, F. M. Andrews, E.M. Abbott*

9:00 57 Equine protozoal meningoencephalitis in French horses. P.H. Pitel*, S. Pronost, D. Anrioud, M.P. Toquet, G. Gargala, G. Fortier, J.J. Ballet

9:15 58 In vitro efficacy of nitazoxanide and its metabolites tizoxanide and tizoxanide glucuronide against *Sarcocystis neurona*. G. Gargala*, A. Delaunay, P.H. Pitel, L. Favennec, J.J. Ballet

9:30 59 Survey for *Sarcocystis neurona* in taxa of small mammals from Johnson and Henry Counties, Missouri. M. Butcher*, A. Marsh, C. Schmidt

9:45 60 The striped skunk (*Mephitis mephitis*) is an intermediate host for *Sarcocystis neurona*. M. A. Cheadle*, C.A. Yowell, D.C. Sellon, M. Hines, P. E. Ginn, A. E. Marsh, J.B. Dame, E. C. Greiner

10:00-10:30 Break

Session XII. Room: Essex Center
Topic: Epidemiology of Parasite Infection (I)
Moderators: C. Monahan, J. Gauthier

8:30 61 Evaluation of *Cryptosporidium parvum* oocyst infectivity in environmental water. A. Delaunay*, G. Gargala, X.D Li, L. Favennec, J.J. Ballet

8:45 62 Use of rectally inserted colonic transmitters in locating raccoon latrine sites. S.A. Bembenek*, M.W. Dryden, A.B. Broce

9:00 63 Hemoparasites of urban raccoons (*Procyon lotor*) in Manhattan, Kansas. T.D. Everson*, M.J. Yabsley, M.J. Portis, G.P. Noblet, C.L. Craig, M.W. Dryden, A.B. Broce

9:15 64 Knowledge and attitudes about zoonotic helminths: A survey of Connecticut pediatricians and veterinarians. J. Gauthier*, D Richardson

9:30 65 Quantitative techniques: The choice can skew your diagnosis. C. Monahan

9:45 66 Intestinal parasitic helminths of stray cats in Urmia, Iran. S. Naem*

10:00-10:30 Break

Session XIII. Room: Essex North
Topic: Equine Parasites (II)
Moderators: M.A. Baudena, T. Craig

10:30 67 Antibody response of immune and non-immune ponies to cyathostome L3 antigens. M.A. Baudena*, M.R. Chapman, M. Kara, T.R. Klei

10:45 68 Pasture exposure and acquired resistance to cyathostomes in equids. M.R.Chapman, D.D. French, T.R. Klei*

11:00 69 Priming of the equine immune response with adult worm antigen in Ribi adjuvant alters the humoral and Th2 cytokine response to *Strongylus vulgaris* radiation-attenuated larvae. J. D. Edmonds*, D. W.

Horohov, R. M. Moore, M. R., Chapman, H. W. Taylor, T. R. Klei

11:15 70 Comparison of anthelmintic activity in reducing fecal shedding of A*noplocephala* eggs in mares and foals. T.M. Craig*, W.L. Scrutchfield, J. Thompson, E. Bass

11:30 71 Field trial evaluations of popular anthelmintics in Arkansas horses. T.A. Yazwinski*, C. Tucker, K. Martin-Downum, M. Fincher, J. Ralph, J. Hamilton

11:45 72 Pyrantel tartrate has activity against *Sarcocystis neurona* merozoites. E.A. Kruttlin*, M.G. Rossano, R.A. Vrable, A.J. Murphy, H.C. Schott II, J.B. Kaneene, L.S. Mansfield

12:00-1:30 Lunch

Session XIV. Room: Essex Center
Topic: Epidemiology of Parasite Infection (II)
Moderators: P. Schantz, A. DeRosa

10:30 73 Evidence for obligate developmental dormancy in a subulurid nematode. E.G. Platzer*, L.T. Luong, N. Hinkle

10:45 74 Seasonal developmental patterns of *Obeliscoides cuniculi* in the feral rabbit (*Sylvilagus floridanus*). A.A. DeRosa*, J.C. Williams, D. Moreland

11:00 75 A multi site survey of parasite burdens in Canadian dairy cows. A. Nødtvedt*, G. Conboy, I. Dohoo, J. Sanchez, G. Keefe, L.DesCôteaux, K. Leslie, J. Campbell

11:15 76 Avian *Giardia* isolate infects lambs and kittens. M. E. Olson*, A. McDonnell, P. Upcroft, A. Buret

11:30 77 Prevalence, risk factors associated with shedding, and biotype of *Giardia* sp. in llamas and alpacas from the Southeastern United States. L.G. Richard*, G.T. Pharr, D.C. Ruffin, C.B. Navarre, D.G. Pugh, S.V. Mace

11:45 78 Update on investigation of canine visceral leishmaniasis in North America. P. Schantz*, F. Steurer, J. Jackson, J. Rooney, H. Burns, E. Breitschwerdt, E. Rowton, M. Gramiccia

12:00-1:30 Lunch

Session XV. Room: Essex North
Topic: Anthelmintics
Moderators: G. Conboy, R. Kaplan

1:30 79 Use of milbemycin for the treatment of dogs naturally infected with *Crenosoma vulpis* and *Angiostrongylus vasorum* in Atlantic Canada. G. Conboy*

1:45 80 The efficacy of milbemycin oxime against 4th larvae of *Toxocara canis*. R.P. Hotz, H. Sager, R. Cody, G. Buscher, D.G. Stansfield*

2:00 81 The effect of *IVOMEC-EPRINEX*® on milk production in pastured dairy cattle. A. Nødvedt*, G. Conboy, I. Dohoo, J. B. Sanchez, G. Keefe, L. DesCôteaux, C. K. Leslie, J. Campbell

2:15 82 A larval migration inhibition assay can differentiate between levamisole sensitive and resistant isolates of the porcine nematode *Oesophogostomum dentatum*. A.P. Robertson*, C.L. Clark R.J. Martin

2:30 83 Single-channel currents from *Ascaris suum* pharynx activated by glutamate and ivermectin reveal a heterogeneous group of receptors. R.J. Martin*, A. P. Robertson, M.A.Valkanov

2:45 84 Efficacy of moxidectin against an ivermectin-resistant isolate of *Haemonchus contortus* in goats. RM Kaplan*, L. Ware

3:00-3:30 Break

Monday, July 16, 2001 continued

Session XVI. Room: Essex Center
Topic: Diagnostic Parasitology
Moderators: A. Zajac, W. Scandrett

1:30 85 Genotypic characterization of *Giardia* isolated from beavers in the North Saskatchewan River Basin, Canada. A. Appelbee*, N. Guselle, L. Roy, M.E. Olson

1:45 86 Molecular diagnosis of atoxoplasmosis in passerines. L. S. Kelley, S. E. Little*, T.M. Norton

2:00 87 Treatment and a novel serological approach to diagnosis of a case of severe canine heterobilharziasis. B. Hammerberg*, J. R. Flowers, S. Wood, D. Malarkey, G. J. Van Dam, D. McLawhorn

2:15 88 Use of zinc sulfate in fecal flotation exams: How important is centrifugation? A. M. Zajac*, J. Johnson, S. E. King

2:30 89 Predicting anthelmintic treatment response using an Elisa for *Ostertagia ostertagi* in adult dairy cattle. J. Sanchez, I. R. Dohoo, F. Markham, A. Nødvedt *, L. DesCôteaux, K. Leslie, J. Campbell, G. Keefe

2:45 90 Diagnostic challenges posed by a recent outbreak of bovine cysticercosis in Alberta, Canada. W.B. Scandrett*, S.E. Parker, O.A. Ogunremi, L.B. Forbes, A.A. Gajadhar, V.W. Lees

3:00 – 3:30 Break

3:30-4:15 Room: Essex North
AAVP BUSINESS MEETING
4:15-5:30 Room: Essex North

PRESIDENTIAL ADDRESS & AWARDS

Tuesday, July 17, 2001

AAVP/AVMA PRESIDENT'S SYMPOSIUM
Convention Center - Room 304
Topic: "Persistent Protozoans: Progress and Promises"
Moderator: T. Kennedy

8:30 91 From observation to isolation: Capturing the new parasite on the block. D.S. Lindsay

9:15 92 Giardia – Recent advances in the biology and treatment, don't drink the water. M. E. Olson

10:00-10:30 Break

10:30 93 Ataxia and armadillos, cats and conscious proprioception: the unfolding story of Equine Protozoal Myeloencephalitis. R. J. MacKay

11:15 94 Will the real *Neospora caninum* please stand up? M. M. McAllister

AAVP
46TH ANNUAL MEETING
3rd Floor, Westin Copley Place Hotel

REGISTRATION
Essex Ballroom Foyer
Saturday 14 July, 10:00-7:00 PM
Sunday 15 July, 8:00 AM-6:00 PM
Monday 16 July, 8:00 AM-5:00 PM

SPEAKER READY ROOM
St. George D, 7 AM-6 PM Daily

SOCIAL PROGRAM

AAVP Welcoming Reception
Saturday, July 14, 2001
Staffordshire Room
3rd Floor, Westin Copley Place Hotel
7:00-9:00 PM

Bayer Animal Health Social & Reception
Sunday, July 15, 2001
Essex South
3rd Floor, Westin Copley Place Hotel
7:00-9:00 PM

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AFFILIATED WITH THE AMERICAN VETERINARY MEDICAL ASSOCIATION
MEMBERSHIP APPLICATION

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

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

Should you wish to become a member of the AAVP, please provide the following information and send this form and a check (regular membership $20.00, student membership $10.00, **U.S. currency**) payable to the AAVP, to the Secretary-Treasurer at the address given below. **The 2001 dues year runs from September 1, 2000 to August 31, 2001.**

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AAVP Newsletter Deadlines for Submissions

Newsletter	Deadline
February	January 20
June	May 20
October	September 20

Please contact the editor with questions regarding these dates.