

American Association of Veterinary Parasitologists
46th Annual Meeting
The Westin Copley Place - Boston

SATURDAY JULY 14		SUNDAY JULY 15		MONDAY JULY 16		TUESDAY JULY 17			
ST. GEORGE D SPEAKER READY ROOM 1:00 PM - 6:00 PM		ST. GEORGE D SPEAKER READY ROOM 7:00 AM - 6:00 PM		ST. GEORGE D SPEAKER READY ROOM 7 AM TO 6 PM		ST. GEORGE D SPEAKER READY ROOM 7 AM TO NOON			
ESSEX BALLROOM FOYER AAVP REGISTRATION TABLE 10:00 AM - 7:00 PM		ESSEX BALLROOM FOYER AAVP REGISTRATION TABLE 8:00 AM TO 6:00 PM		ESSEX BALLROOM FOYER AAVP REGISTRATION TABLE 8:00 AM TO 6:00 PM					
FLYING CLOUD ROOM AAVP EXEC. Board Meeting/Lunch 10:00 AM - 1:30 PM		ESSEX NORTH Session IV: Apicomplexa (I) 8:30 - 10:00 AM	ESSEX CENTER Session V: Companion Animal (I) 8:30 - 10:00 AM	ESSEX NORTH Session XI Equine Parasites (I) 8:30 - 10:00 AM	ESSEX CENTER Session XII: Epidemiology of Parasite Infections (I) 8:30 - 10:00 AM	CONVENTION CENTER ROOM 304 AAVP/AVMA JOINT SYMPOSIUM Persistent Protozoans: Progress and Promises 8:30 AM - Noon			
ESSEX NORTH Opening Remarks: Pres. T. Kennedy VP/Program Chair: J. Urban 2:00 PM - 2:15 PM									
ESSEX NORTH Session I: AAVP Symposium Parasite Activation and Modulation of Immune Effector Mechanisms 2:15 - 4:15 PM									
BREAK 4:15 TO 4:45 PM		BREAK 10:00 - 10:30 AM		BREAK 10:00 - 10:30 AM					
ESSEX NORTH Session II: Immunology & Pathology 4:45 - 6:15 PM	ESSEX CENTER Session III: Ectoparasites 4:45 - 6:15 PM	ESSEX NORTH Session VI: Apicomplexa (II) 10:30 AM - Noon	ESSEX CENTER Session VII: Companion Animal (II) 10:30 AM - Noon	ESSEX NORTH Session XIII: Equine Parasites (II) 10:30 AM - Noon	ESSEX CENTER Session XIV: Epidemiology of Parasite Infections (II) 10:30 - Noon				
STAFFORDSHIRE AAVP WELCOMING RECEPTION 7:00 To 9:00 PM		ST GEORGE A, B AAVP Graduate Student Luncheon/Mixer Noon - 1:30 PM		Lunch Break Noon - 1:30 PM					
		Lunch Break Noon - 1:30 PM		ESSEX NORTH Session XV: Anthelmintics 1:30 - 3:00 PM				ESSEX CENTER Session XVI: Diagnostic Parasitology 1:30 - 3:00 PM	
		ESSEX NORTH Session VIII: Merial/AAVP Symposium 1:30 - 3:30 PM							
		ESSEX NORTH Session IX: Molecular Biology of Parasitism 4:00 - 5:30 PM	ESSEX CENTER Session X: Management of Ruminant Parasites 4:00 - 5:30 PM	ESSEX NORTH AAVP Business Meeting 3:30 - 4:15 PM					
		ESSEX SOUTH Bayer Social 7:00 - 9:00 PM		ESSEX NORTH Presidential Address & Awards 4:15 - 5:30 PM					
				OPEN EVENING ENJOY BOSTON!!					

PROGRAM

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, S. Kato

8:30 16 Efficacy of ponazuril for treatment of coccidiosis 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 Drontaltm Plus and GiardiaVaxtm 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, ZnSO₄ 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

Sunday, July 15, 2001 continued

- 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 Rosypala
- 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* Cycloodiene Resistance Allele. N. Wisniewski*, 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* chlamyospores 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.

Monday, July 16, 2001 continued

- 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 *Anoplocephala* 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 *Obeliscooides 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. Nødtvedt*, 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

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