PROGRAM
42 Annual Meeting
American Association of Veterinary Parasitologists
Reno, Nevada

Saturday, July 19, 1997
Peppermill Hotel & Casino

12:00-3:00  AAVP Board Meeting
Maple

1:00-8:00  Speaker Prep
Silver

2:00  Registration - Ballroom Lobby

3:00  Opening Remarks
Aspen B
President Peter Schantz
Vice President & Program Chairman
Louis Gasbarre

Session 1: Swine, Endo & Ectoparasites
Aspen B
Moderators: D.P. Jasmer,
T.L. Skogerboe

3:30  (1) Vertical Transmission of *Toxoplasma gondii* in rats
J.P. Dubey

3:45  (2) Swine Immune Responses to *Toxoplasma gondii* Infections and to Vaccination with Irradiated Oocysts
J.K. Lunney, S. Hyatt, J.P. Dubey

4:00  (3) Reversal of *Trichinella spiralis* Infected Cell Characteristics is Associated with Nuclear Antigen Depletion
C. Yao, S. Bohnet, D.P. Jasmer

4:15  (4) Production and Use of Proficiency Samples as part of a Quality Control System for Trichinella Digestion Diagnostic Program
L.B. Forbes, R.A. Rajic,
A.A. Gajadhar

4:30  (5) Field Evaluation of ELISA and Risk Factor Analysis for Trichinellosis on New England Swine Farms
H.R. Gamble, W.G. Smith,
R.C. Brady, L.E. Miller

4:45  (6) Development of a Swine Animal Model Where Opportunistic Invasion of the Colon by Campylobacter jejuni Occurs Spontaneously
L.S. Mansfield, D.T. Gauthier,
S.R. Abner, K.M. Jones,
J.F. Urban

5:00  Refreshments

5:15  (7) Anthelmintic Use on Saskatchewan Pig Farms: Results from a Postal Survey
B. Wagner, L. Polley

5:30  (8) A Survey of Sarcoptic Mange in Slaughter Pigs at Seven Midwest Packing Plants
J.J. Melancon

5:45  (9) Study One: Duration of Efficacy of Doramectin and Ivermectin Against *Sarcoptes scabiei Var. suis*
J.J. Arends, T.L. Skogerboe,
L.K. Ritzhaupt

6:00  (10) Study Two: Duration of Efficacy of Doramectin and Ivermectin Against *Sarcoptes scabiei Var. suis*
J.J. Arends, T.L. Skogerboe,
L.K. Ritzhaupt

Session 2: Companion Animal, Ectoparasites
Gold
Moderators: B.L. Blagburn,
M.W. Dryden

3:30  (11) Comparative Evaluation of Flea Counting Techniques on Dogs and Cats
V.M. Goffaux, P.J. Boyd

3:45  (12) A Retrospective Evaluation of the Effects of Lufenuron (Program) on Flea Allergy Dermatitis (FAD) in Dogs and Cats
M. Groh, R. Sifferman
4:00 (13) Efficacy of Combined Formulation of Milbemycin Oxime and Lufenuron in Controlling Flea Infestations
G. Pengo, P. Sica, R. Steiger, D. Stansfield

4:15 (14) Control of Flea Populations on Naturally Infested Pets and in Private Residences with Either Topical Imidacloprid Spot Application or the Combination of Oral Lufenuron and Pyrethrin Spray
M.W. Dryden, H.R. Perez, D.M. Ulitchny

4:30 (15) Titration of Pyriproxyfen in Virbac KnockOut IGR Shampoos
T.A. Miller, L.R. Cruthers

4:45 (16) Persistent Ovisterilant Efficacy of Virbac KnockOut IGR Collars
T.A. Miller, B.L. Blagburn

5:00 REFRESHMENTS

5:15 (17) An Investigative Study to Evaluate the Effect of Water Immersion or Shampooing on the Efficacy of Frontline Top Spot
P.A. Tanner, M.N. Romano

5:30 (18) Residual Efficacy of Frontline Top Spot for the Control of Fleas in the Cat
P. Tanner, J.S. Hunter III, N. Meo, M. Keister

5:45 (19) Comparative Studies to Evaluate the Flea Control Efficacy of Frontline Top Spot Against Advantage Flea Adulticide in the Dog and Cat
P.A. Tanner, M.N. Romano

6:00 (20) Peritoneal Cestodiasis in Dogs
W. Boyce, C. Kerner, G. Lee, S. Nadler, E. Platzer

Saturday Evening, July 19, 1997

6:15 Symposium: Problems and Solutions for Nematode Control in Grazing Cattle
Aspen B
Moderator: G. Conder

(21) Factors Influencing the Control of Ostertagia ostertagi Infections of Cattle
L.C. Gasbarre

(22) The Impact of the Environment on Strategic Parasite Control Programs in Cattle
B.E. Stromberg

(23) Strategic Control of Nematode Parasites of Grazing Cattle
R.S. Rew

7:00-8:30 Social - sponsored by Pfizer Animal Health, Poolside
Graduate Student Mixer, Lakeview

Sunday Morning, July 20, 1997

Session 3: Cattle, Ectoparasites
Pinion, Redwood, Sequoia
Moderators: S.E. Marley, W.G. Ryan

8:00 (24) Initial and Residual Efficacy of a Pour-on Formulation of Fipronil Applied to Cattle infested with Boophilus microplus (Canestrini) Canestrini (Canestrini)
J.S.Hunter, D.M. Keister, P. Jeannin, R.B. Davey, J.E. George

8:15 (25) Efficacy of Doramectin Pour-on Against Damalinia bovis on Cattle
L. Smith, W. Lodi, K. Rooney, S. Marley, G. Conder

8:30 (26) Efficacy of Doramectin Pour-on Against Lice, Mites, and Grubs of Cattle
8:45 (27) Eprinomectin: A Novel Avermectin for Control of Lice in Cattle

9:00 (28) Efficacy of Topically Applied Eprinomectin Against Chorioptes bovis Mites
L.L. Smith, K.E. Sterner, D. Bowman, J.A. Hair, D. Barth, B.N. Kunkle, J.E. Holste

9:15 (29) The History of Myiasis in the Americas
R.A. Roncalli

9:30 REFRESHMENTS

Session 4: Wildlife Parasites
Aspen A&B
Moderators: A.Gajadar, K.R. Kazacos

8:00 (30) Molecular Phylogenetic Relationships Among Sarcocystis Species of Wild and Domestic Animals

8:15 (31) Isolation, Culture, Western Blot Analysis and SSURNA Sequence Analysis of a Sarcocystis Neurona-like Protozoan from a Wildcaught Opossum from Michigan
A.J. Murphy, P.M. Gearhart, L.S. Manfield

8:30 (32) Recovery from Blindness Caused by Toxoplasmosis in Bennett’s Wallabies (Macropus rufogriseus)
C.A. Crutchley, J.P. Dubey, D.S. Adams

8:45 (33) Studies on the Large Ribosomal Subunit to Develop a Diagnostic Test for the Identification of Elaphostrongylus cervi
G.M. Falk, A.A. Gajadhar

9:00 (34) Population Dynamics of Gastrointestinal Nematodes in the White-tailed Deer (Odocoileus virginianus)
A. Derosa

9:15 (35) Natural Co-Infection of a White-tailed Deer Population with Ehrlichia chaffeensis, the Human Granulocytic Ehrlichiosis Agent, and an Ehrlichia-like Organism
S.E. Little, D.E. Stallknecht, J.M. Lockhart, J.E. Dawson, W.R. Davidson

Session 5: Modern Concepts in Nematode Biology and Control
Pinion, Redwood, Sequoia
Moderators: R.H. Fetterer, T.G. Geary

10:00 (36) Nematode Amphidial Neurons: Comparative Ultrastructure, Putative Function and Evidence from Ablation
F.T. Ashton, G.A. Schad

10:40 (37) A Conserved Signalling Pathway Controls Caenorhabditis elegans Dauer Larva Development
D.L. Riddle

11:20 (38) Pharmacology of Anthelmintic Resistance: From Molecules to the Field
N. Sangster

12:00 LUNCH

Sunday Afternoon, July 20, 1997
Pinion, Redwood, Sequoia

1:00 Presidential Address - Peter Schantz
1:20 Awards - Chairman Dan Synder
Session 6: Cattle & Avian Endoparasites
Pinion, Redwood, Sequoia
Moderators: H.D. Chapman, J.P. Dubey

2:00 (39) Neosporosis: New Isolate Characterizations and Insights on Pathogenesis in Cattle

2:15 (40) Determination of the Role of BVD Virus in Neospora caninum-Infected Cattle

2:30 (41) Oral Inoculation of Cats with Neospora caninum
M.M. McAllister, D.S. Lindsay, R.A. Wills, A.M. McGuire, J.D. Tranas

2:45 (42) Vaccination with Neospora caninum Causes Decreased Mortality But Not Tissue Cyst Production in Mice Orally Challenged with Toxoplasma gondii Ocysts
D.S. Lindsay, S.D. Lenz, C.C. Dykstra, B.L. Blagburn, J.P. Dubey

3:00 (43) Diagnostic Strategies for Tritrichomonas foetus in Bulls
S. Parker, J. Campbell, H. Cook, A. Gajadhar

3:15 (44) Transport and Culture Conditions Potentially Affecting the Sensitivity of the Diagnostic Test for Tritrichomonas foetus
L. Bryan, J. Allen, J. Campbell, A. Gajadhar

3:30 (45) Development of Immunity to Eimeria Species in Broilers Reared on New or Used Litter and Given Anticoccidial Drugs in the Feed
H.D. Chapman

3:45 (46) Role of Interferon-Gamma and Nitric Oxide in Avian Coccidiosis
H.S. Lillehoj, P. Allen

4:00 REFRESHMENTS

Session 7: Swine, Endoparasites
Aspen A&B
Moderators: C.M. Christensen, D.E. Hill

2:00 (47) Pharmacokinetics of Doramectin and Ivermectin in Swine
C. Friis, H. Bjoern

2:15 (48) Duration of Activity of Doramectin and Ivermectin Against Ascaris suum in Experimentally Infected Pigs

2:30 (49) Effect of Metastrongylus spp. Infection on Performance of Growing Pigs
M.A. Baudena, E. Kabagambe, Y. Li, T. Pena, R. Rutledge, G. Baptista

2:45 (50) Transmission Dynamics of Oesophagostomum dentatum and Hyostrongylus rubidus in Outdoor Pigs
A. Roepstorff, K.D. Murrell

3:00 (51) Transmission Dynamics of Ascaris suum and Trichuris suis in Outdoor Pigs
A. Roepstorff, K.D. Murrell

3:15 (52) Effect of Protease Inhibitors on in vitro Development of the Third- to Fourth-Stage of Ascaris suum
M.L. Rhoads, R.H. Fetterer

3:30 (53) Effect of Disulfiram on Eggshell Morphology of Trichuris muris
D.E. Hill, R.H. Fetterer

3:45 (54) Studies of Reproduction Biology of Oesophagostomum Species in Pigs
Using a Novel Transplantation Technique
4:00 REFRESHMENTS

Session 8: Cattle, Endo Parasites
Pinion, Redwood, Sequoia
Moderators: S. Almeria, J.A. Stuedemann

4:30 (55) Paraban, a Window-based Model for Parasite-Control in Cow-calf and Stocker Operations
G. Smith, J. Jacobsen, M. Soll, J. Guerrero

4:45 (56) Control of Gastrointestinal Nematodes in the Pyrenees (Spain) Based on Epidemiological Data, Confirmation with a Mathematical Model
S. Almeria, J. Guerrero, J. Uriarte

5:00 (57) Gastrointestinal Nematode Infections in Dairy Calves Following One, Two or Three Moves to Clean Pasture
M. Eysker, J.H. Boersema, J.B. Githiori, F.N.J. Kooyman

5:15 (58) Cattle Management to Reduce Nematode Contamination Potential of Parasite-Free Bermudagrass Pastures

5:30 (59) Lungworm Outbreak in Lactating Dairy Cows
D.H. Bliss, G.H. Myers

5:45 (60) Evaluation of Anthelmintic Treatments in Cattle Grazing Great Basin Rangeland in Nevada and California
W.G. Kvasnicka, D.H. Bliss, R. Torell

5:45 (61) Productivity of Stocker Cattle Treated with the Ivomec SR Bolus vs. Benzimidazole Anthelmintics and Topical Fenthion from Grazing to Slaughter

Session 9: Companion Animal, Endo Parasites
Aspen A&B
Moderators: C.H. Courtney, J.W. McCall

4:30 (62) Canine Heartworm Prophylaxis by High Oral Dosages or Transdermal Administration of Diethylcarbamazine
J.W. McCall, S.L. Stroh, A.A. Marchiondo, T.L. McTier

4:45 (63) Correlation of Mosquito Species Population Distribution and the Seasonal Transmission of Dirofilaria immitis
R.A. Holmes, G. Faget, M. Yates

5:00 (64) Development of a Molecular Probe Based on the Small Subunit Ribosomal RNA for the Detection of Dirofilaria immitis

5:15 (65) Canine Filariasis in California: Dipetalonema reconditum, Distribution and Prevalence as an Indication of Vector Abundance and Survival
J.H. Theis, F. Stevens

5:30 (66) Canine Filariasis Due to Dipetalonema reconditum in California: The Effects of Management, Geographical Location of the Dog's Domicile, Age, Gender and Plant Climate Zones on the Risk of Infection
J.H. Theis, F. Stevens

5:45 (67) Canine Filariasis Due to Dirofilaria immitis in California: The Effects of Management, Geographical Location of the Dog's Domicile, Age, Gender and Plant Climate Zones on the Risk of Infection
J.H. Theis, F. Stevens
6:00 (68) Canine Filariasis Due to Dirofilariasis in California: The Effects of Rain and Snowfall on the Western Facing Slopes of the Sierra Nevada Mountains on Prevalence and Distribution Within the Plant Climate Zones of Northern California
J.H. Theis, F. Stevens, P.H. Kass

6:15 Symposium: The Quest for a New Generation of Worm Control Manzanita A&B
Sponsored by Fort Dodge Animal Health to be immediately followed by a social sponsored by Fort Dodge Animal Health

Monday Morning, July 21, 1997

Session 10: Cattle - Endoparasites
Redwood, Sequoia
Moderators: T.A. Yazwinski, G.L. Zimmerman

8:00 (69) Evaluation of Coat Length, Rainfall, and Exposure to Prevailing Weather Conditions on the Efficacy of Topically Applied Eprinomectin

8:15 (70) The Efficacy of an Eprinomectin Pour on Product Against Cooperia spp and Nematodirus helvetianus
J.S. Eagleson, D. Farrington, L.G. Cramer

8:30 (71) Efficacy of Eprinomectin Pour-on Against Nematode Parasites of Cattle with Emphasis on Inhibited Early Fourth-Stage Larvae (IEL) of Ostertagia spp
J.C. Williams, J.A. Stuedemann, K. Bairden, D. Kerboeuf, H. Ciordia, J. Hubert, S.D. Broussard

8:45 (72) Persistent Efficacy of Doramectin Pour-on Against Artificially-Induced Infections of Nematodes in Cattle
G. Zimmerman, E. Johnson, R. Prichard, M. Molento, C. Trudeau, S. Marley, G. Conder

9:00 (73) Persistent Efficacy of Doramectin Injectable Solution Against Artificially-Induced Infections of Nematodes in Cattle
B. Stromberg, B. Woodward, C. Courtney, E. Johnson, G. Zimmerman, S. Marley, G. Conder

9:15 (74) Comparison of Efficacy of Doramectin Injectable with Ivermectin/Clorsulon Injectable in Cattle Naturally Infected with Gastrointestinal Nematode and Trematode Infections
J.C. Williams, A.F. Loyacano, A. Derosa, J. Gurie, T.L. Skogerboe

9:30 (75) Characterization of Turkey Ascaridiasis and the Efficacy of Fenbendazole Medicated Feed in the Treatment of Nematode Parasitisms of the Turkey
T.A. Yazwinski, C.A. Tucker

9:45 REFRESHMENTS

Session 11: Ruminant-Endoparasites
Pinion
Moderators: T.M. Craig, A.M. Zajac

8:00 (76) Field Efficacy of Doramectin Pour-on Against Naturally-Acquired Nematode Infections of Cattle
G. Conder, K. Rooney, E. Illyes, D. Keller, T. Meinert, N. Logan

8:15 (77) Therapeutic Efficacy of Doramectin Pour-on Against Eyeworms, Lungworms, and Gastrointestinal Nematodes
S. Marley, E. Illyes, D. Keller, T. Meinert, N. Logan, G. Conder
8:30 (78) Verification of R DrenchRite (For Use in North America) by Comparison with FERT (Fecal Egg Reduction Tests)
K.E. Young, T.M. Craig, M.R. Slater, N.R. Hooper

8:45 (79) Multiple Anthelmintic Resistance in a Virginia Goat Herd
A.M. Zajac, T.A. Gipson, J.C. Lovin

9:00 (80) The Use of Tracer Lambs to Evaluate the Transmission and Survival of Gastrointestinal Parasites of Exotic Ruminants
T.M. Craig, J. Jensen, R. Lenz

9:15 (81) Composition of Parasite Burden in Bison Grazing the Konza Prairie

9:30 (82) Dynamics of Fossaria cubensis Populations in Florida: Relationship to the Epidemiology and Control of Bovine Fascioliasis
R.M. Kaplan, C.H. Courtney, F.G. Thompson, P.O. Miller

9:45 REFRESHMENTS

Session 12: Cattle-Endoparasites
Redwood, Sequoia
Moderators: B.E. Stromberg, D.S. Zarlenaga

10:00 (83) Pathophysiology of Hypersensitivity Reactions Associated with Giardiasis

10:15 (84) Pathophysiology of Giardiasis in Dairy Calves
R.M. O'Handley, M.E. Olson, T.A. McAllister, M.Jelinski

10:30 (85) Longitudinal Study of Giardia and Cryptosporidium in Dairy Calves
R.M. O'Handley, M.E. Olson, T.A. McAllister, M.Jelinski

10:45 (86) Giardia and Cryptosporidium in British Columbia Dairy Calves
N.J. Guselle, M.E. Olson, R.M. O'Handley, M. Swift, T.A. McAllister, M.D. Jelinski, D.W. Morck

11:00 (87) Giardia and Cryptosporidium in Feedlot Cattle
B. Ralston-Chalmers, M.E. Olson, N. J. Guselle, T.A. McAllister

11:15 (88) Immune Response in Lambs Experimentally Infected with Giardia
M.E. Olson, S. Yanke, H. Ceri, D.W. Morck, T.A. McAllister

11:30 (89) Local Ileal Immune Responses in Cattle During a Primary Infection with Cryptosporidium parvum

11:45 (90) Cloning and Expression of Bovine Interleukin-15: Analysis and Modulation of Transcription in Parasite Infected Animals

12:00 LUNCH

Session 13: Companion Animal-Ectoparasites
Pinion
Moderators: P.J. Scholl, T.B. Stewart

10:00 (91) Integrated Tick Control: New Concept for Breaking the Life Cycle (1)
A. Estrada-Pena, F. Ascher

10:15 (92) Integrated Tick Control: New Concept for Breaking the Life Cycle (2)
A. Estrada-Pena, F. Ascher

10:30 (93) Efficacy of Two Ixodicide Collars Against Natural Infestation with the Brown Dog Tick
A. Estrada-Pena, F. Ascher
10:45 (94) Antifixing + Antifeeding Effect of Two Ixodicide Collars Against the Brown Dog Tick
   A. Estrada-Pena, F. Ascher

11:00 (95) Killing Effect of Two Ixodicide Collars Against the Brown Dog Tick
   A. Estrada-Pena, F. Ascher

11:15 (96) Efficacy of a 1% (S)-Methoprene - 8% Chlorpyrifos Combination Dog Collar Against the Cat Flea and Brown Dog Tick
   J.B. Prullage, R.R. Rudolph, S.R. Hansen

11:30 (97) Residual Efficacy of Frontline Top Spot™ for the Control of Fleas and Ticks in the Dog
   J.S. Hunter III, P. Tanner, M. Keister, Ph. Jeannin

11:45 (98) A New Species of Demodicid Mite from a Cat
   T.B. Stewart, C.E. Desch, Jr.

12:00 LUNCH

Monday Afternoon, July 21, 1997

1:00 Business Meeting
   Pinion, Redwood, Sequoia

Session 14: Cattle-Endoparasites
   Pinion, Redwood, Sequoia
   Moderators: J.E. Miller, J.C. Williams

2:00 (99) Use of Geometric Means in Parasite Data
   G.F. Ericsson, R.A. Barrick, C.P. Daurio, W.K. Langholff

2:15 (100) Prevalence of Parasite Contamination on Great Basin Pastures and Ranges from Cow/Calf Herds as Determined by Fecal Worm Egg Counts
   W.G. Kvasnicka, D.H. Bliss, R. Torell

2:30 (101) Epidemiology of GI Nematodes in Cow-Calf Herds and Breed Susceptibility
   M. Pena, J.E. Miller, W. Wyatt, S.R. Barras, Y. Li, E. Kabagambe

2:45 (102) Role of Inhibited Early Fourth-Stage Larvae (IEL4) in the Immune Response to Ostertagia ostertagi (OST)

3:00 (103) Comparison of Natural and Experimental Gastrointestinal (GI) Nematode and Lungworm Infections in Cattle
   J.C. Williams, A. Derosa

3:15 (104) Mucosal Immunity of Cattle Infected with the Gastric Nematode Ostertagia ostertagi: Phenotypic Characterization and Cytokine Analysis
   S. Almeria, A. Canals, D.S. Zarlenga, L.C. Gasbarre

3:30 (105) Comparison of GI Nematode Infection and Body Weight Among Native, Suffolk and Crossbred F1 Lambs
   Y. Li, J.E. Miller, D.E. Franke, S.R. Barras, E.K. Kabagambe, M.T. Pena

3:45 REFRESHMENTS

Session 15: Companion Animal-Endoparasites
   Oak
   Moderators: A.R. Donoghue, R.K. Ridley

2:00 (106) Strategic Use of Ivermectin During Pregnancy to Control Toxocara canis in Greyhound Puppies
   P.A. Payne, R.K. Ridley

2:15 (107) A Case of Pseudoparasitism Due to Mermithid Nematodes in a Cat
   K.R. Kazacos, J.A. Epler
2:30 (108) Inflammatory Lung Disease from *Dirofilaria immitis* Infections in Cats and Dogs  
A.R. Dillon, A. Warner, J. Hudson, R. Molina

2:45 (109) Regional, Clinical Case Studies of Feline Heartworm Infection  
C.K. Robertson, A.R. Dillon, W.R. Brawner, J. Guerrero

3:00 (110) Feline Heartworm Infection: Clinical Study in Northern Italy  
C. Genchi, L. Venco, G. Prieto

3:15 (111) Comparison of Antibody and Antigen Detection Tests on Sera from Cats Experimentally Infected with *Dirofilaria immitis*  
J.W. McCall, N. Supakorndej, A.R. Donoghue, C.A. Piché

3:30 (112) Canine Hepatozoonosis Newly Endemic to Oklahoma  
R.J. Panciera, J.S. Mathew, M.A. Breshears, S.A. Ewing

3:45 REFRESHMENTS

**Session 16:** Sheep-Endoparasites  
Pinion, Redwood, Sequoia  
Moderators: H. Schallig, J.F. Urban

4:00 (113) Evidence for Reversible Inhibition of Abomasal Acid Secretion in Sheep Infected with *Ostertagia leptospicularis*  
H. Hertzberg, L. Kohler, J. Eckert

4:15 (114) Gut Secretory Antigens of *Haemonchus contortus*: Gene Isolation and Comparison Among Diverse Nematode Species  
A. Rehman, D.P. Jasmer

4:30 (115) Production of a Monoclonal Antibody Specific for Ovine Immunoglobulin E and Its Application to Monitor Serum IGE Responses to *Haemonchus contortus* Infection  

4:45 (116) Immunoprotective Properties and Molecular Characterization of Two Excretory Secretory (ES) Proteins of *Haemonchus contortus*  
H.D.F.H. Schallig, M.A.W. van Leeuwen, A.W.C.A. Cornelissen

5:00 (117) Field Evaluation of H11-H-gal-GP Vaccine Against *Haemonchus contortus* in Suffolk and Gulf Coast Native Sheep  
E. Kabagambe, J. Miller, D. Smith, S. Barras, Y. Li, M. Peña

5:15 (118) Serum Antibody Response of Four Sheep Breeds to *Haemonchus contortus* Infection: Antigen Markers  

5:30 (119) Characterization of Hemolytic Activity from Adult *Haemonchus contortus*  
R.H. Fetterer, M.L. Rhoads

5:45 (120) Toxic Activity of Crystals from *Bacillus thuringiensis* (Strain YBT-1953) to Adults of *Haemonchus contortus* In Vitro  
Y. Baoan, W. Xiang, Z. Junlong, M. Lihua, Y. Zinlu

**Session 17:** Equine-Endoparasites  
Oak  
Moderator: D.D. French, D.E. Granstrom

4:00 (121) *In Vitro* Cultivation and Experimental Inoculation of *Sarcocystis falcata* and *S. neurona* Merozoites into Budgerigars  
A. Marsh, B.C. Barr, L.A. Tell, E. Greiner, J. Dame, P.A. Conrad

4:15 (122) Experimental Reproduction of *Sarcocystis neurona* Induced Encephalitis in Nude Mice  
A.E. Marsh, B.C. Barr, J.E. Madigan, R. Nordhausen, P.A. Conrad

4:30 (123) Experimental Induction of Equine
Protozoal Myeloencephalitis in Horses Using *Sarcocystis* sp. Sporocysts from the Opossum (*Didelphis virginiana*)


**Tuesday Morning, July 22, 1997**

**Special Symposium - Advances in Cestode Research - Pinion, Redwood, Sequoia**

8:00 **INTRODUCTION**

8:05 (129) The Species Question in *Echinococcus* and *Taeinia*: Taxonomic Controversies

E.P. Hoberg, D. Zarlenga

8:25 (130) *Echinococcus multilocularis* and Alveolar Echinococcosis in Europe

J. Eckert

8:55 (131) *Echinococcus multilocularis* in North America

K.R. Kazacos, S.T. Storandt

9:10 (132) Cystic Echinococcosis in Africa and the Middle East: A Cooperative Project

F.L. Anderson, M. Kachani

9:30 (133) Development and Application of Coproantigen Assays for Intestinal Taeniid Infections

J.C. Allan

10:00 **REFRESHMENTS**

AAVP/AAVI Joint Symposium - Immune Response Against Parasites at Mucosal Surfaces

Pinion, Redwood, Sequoia

Moderator: L.C. Gasbarre


A.D. Befus

10:45 (135) Immunity to Trichomonad Infection of the Bovine Reproductive Tract

L.B. Corbeil, R.H. BonDurant

11:15 (136) Immune Responses in Intestinal Mucosa to *Cryptosporidium parvum*

C.R. Wyatt

11:45 (137) Immunity to GI Nematodes: Searching for Novel Cytokine-
12:15 LUNCH

Tuesday Afternoon

AAVP/AVMA Joint Symposium- Advances and Controversies in Veterinary Parasitology
Convention Center Rm. B-10
Moderator: P.M. Schantz

1:30 INTRODUCTION

1:40 (138) Understanding Persistent and Recurrent Flea Problems and the Importance of Parasites of Urban Life
M.W. Dryden

2:20 (139) Dangerous Liaisons: Zoonotic Helminths Acquired from Pets and Urban Wildlife
K.R. Kazacos

3:00 REFRESHMENTS

3:30 (140) Heartworms: Is the Transmission Season Really that Short?
J.B. Lok

4:00 (141) Public Health and Veterinary Concerns About Waterborne Cryptosporidiosis
D.D. Juranek

4:30 (142) Lyme Borreliosis: Clinical and Epidemiologic Significance for Veterinary Medicine
K.A. Orloski