



AAAP SUMMER NEWSLETTER

June 2000

AAAP Annual Meeting to be held July 22-26 in Salt Lake City

The AAAP Board of Directors will meet all day on Friday, July 21 and Saturday, July 22 in Salon II and again on Wednesday morning, July 26 in Salon I in the Hilton (DoubleTree) Hotel. All members are welcome to attend.

The AAAP Business Meeting will be on Tuesday, July 25 at 10:30 AM in Ballroom B in the Convention Center.

There will be refreshments in the poster room each day at 7:30 AM. Please come to Ballroom A in the Convention Center and enjoy!

Members wishing to obtain continuing education certificates for the meeting must see Dr. Eckroade at the meeting.

AAAP Business Office
382 West Street Road
Kennett Square, PA 19348
Phone (610) 444-4282 or
(610) 444-5800 ext. 2257
Fax (610) 925-8106
E-mail aaap@vet.upenn.edu
Website www.vet.iastate.edu/aaap/

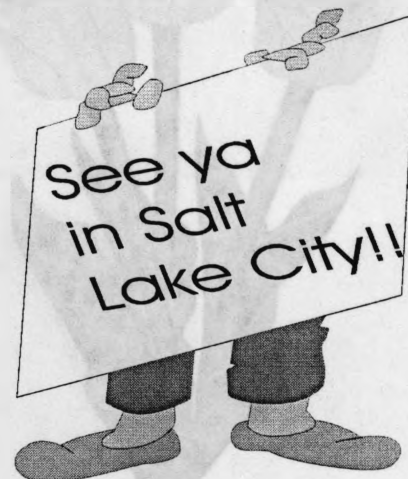


FYI

On June 1, 2000 the DoubleTree Hotel became the Hilton. All phone numbers will stay the same.

DON'T FORGET!

The AAAP Awards Luncheon will be held at noon on Monday, July 24, 2000 in the DoubleTree Ballroom at the Hilton (DoubleTree) Hotel. Please call the business office today to reserve your ticket!





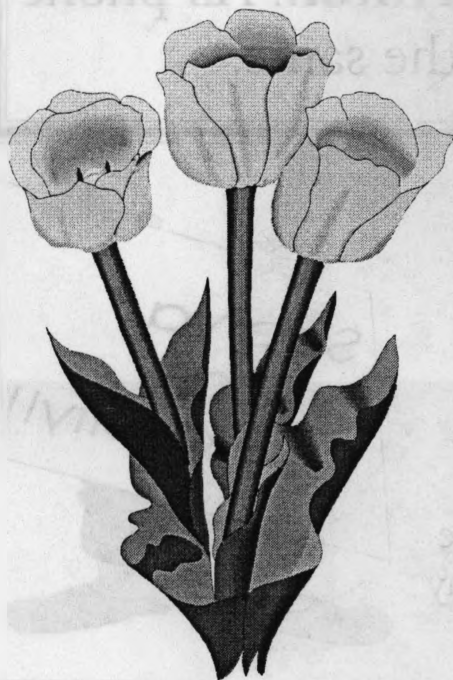
A SAD NOTE

Dr. Roy Luginbuhl

Dr. Roy Luginbuhl passed away May 12, 2000 while on a short trip to Texas.

Dr. Arthur C. Jerstad

Dr. Arthur C. Jerstad died August 22, 1997 at the age of 86. He retired from the Western Washington Research & Extension Center (WSU) in 1972. He was truly a dedicated scientist concentrating on diseases of turkeys. Art contributed generously to his community and was always a humble gentleman.



Dr. L. Dwight Schwartz

L. Dwight Schwartz, age 74, died from a ruptured aortic aneurysm on March 17, 2000. A Celebration of his Life Service was held at the Okemos Presbyterian Church. He and fraternal twin Dwayne were born July 26, 1925, in Enid, OK to Laura and Herbert Schwartz. He graduated from Perry, OK High School. He then spent 30 months with the 2nd Marine Division during WWII. He graduated from Oklahoma State University College of Veterinary Medicine in 1953. He had a mixed veterinary practice in Garber, OK before becoming a ranch veterinarian in Colorado. In 1956 he was a Field Veterinarian/Area Livestock Inspector APHIS, USDA in Garden City, KS. In 1959 he was Acting Poultry Inspector-in-Charge, FSIS, USDA of a turkey plant in Faribault, MN. In 1961 he returned to college to learn better how to prevent birds from being condemned before they reached the slaughter house. He became a graduate student and faculty member at the University of Georgia where he taught Diseases of Poultry and was a Poultry Clinical and Diagnostic Pathologist. He earned a master's of Microbiology in 1963. In 1964, Dr. Schwartz joined the faculty of Veterinary Science and Extension at the Pennsylvania State University. In 1984 he joined the faculty at the College of Veterinary Medicine at Michigan and retired in 1993. He was an Avian Health Consultant (Avicon, Inc.) until his death.

In the early part of his retirement, Dwight revised his *Poultry Health Handbook* into the 4th Edition and wrote and published the *Grower's Reference on Gamebird Health*. He wrote chapters in several books and numerous articles for bulletins and trade journals.

Dwight Schwartz received numerous honors and awards from professional and industry organizations. From AAAP he received the C.A. Bottorff Award and Life Membership. In 1986 he received the Extension Veterinarian of the Year award. He was honored with several state, regional, and national game bird recognitions. In 1991, Michigan Allied Poultry Industry awarded him the Poultry Industry Leader Award. In 1996 he became an Honor Roll Member of the AVMA. He was also a member of several honorary societies.

Dwight is survived by his wife, Wilma, of almost 46 years, a daughter Vicki (Bill) McCoy, grandson Samuel; son, Roger (Lisa) Schwartz and granddaughter Bethany; sister, Monzell Pollman and brother Dale (Delores) Schwartz.

In memory of Dwight, contributions may be made to the L. Dwight Schwartz Memorial Fund of AAAP Foundation, 382 West Street Road, Kennett Square, PA 19348.



Dr. Richard B. Rimler

Regretfully, we wish to inform you that Dr. Richard B. Rimler, a microbiologist in the Bacterial and Mycotic Diseases of Poultry Project, Respiratory Diseases of Livestock Research Unit, at the USDA, ARS, National Animal Disease Center in Ames, Iowa, suffered a fatal heart attack Monday morning (May 29).

Dr. Rimler graduated with a Bachelor's Degree in Zoology in 1971, a Master's Degree in Medical Microbiology in 1976, and a Doctorate Degree in Medical Microbiology in 1978, all from the University of Georgia. In 1977, he joined the fowl cholera project at the National Animal Disease Center, becoming a Lead Scientist in 1991 and Research Leader in 1995. He was a member of a number of professional organizations including the American Society for Microbiology, American Association of Avian Pathologists, Conference for Research Workers in Animal Diseases, and Poultry Science Association, and the World Veterinary Poultry Association. Dr. Rimler also served on the Editorial Boards of *Avian Diseases*, *Poultry Science*, and *Microbiology*.

Dr. Rimler has been involved in poultry microbiology and infectious disease research, beginning as an undergraduate student and research technician, for 27 years. Among his many interests was the work to isolate and identify a cross-protection factor from infected poultry that provides cross-protection among the numerous field strains of *Pasteurella multocida*. He has authored or co-authored 127 publications, including 18 book chapters which are used worldwide for poultry and animal disease diagnosis. Dr. Rimler is recognized nationally and internationally as an expert on *Pasteurella multocida* and fowl cholera, infectious coryza of chickens, and turkey coryza.

As a colleague and friend to many of us, Rick will be greatly missed. He is survived by his wife, Lucy, and his mother and sister. Anyone wishing to send a card, may send to the Bridges Funeral Home or to Lucy Rimler at 105 Renfrew Drive, Athens, Georgia 30606.





Change to the Constitution and By-Laws

At the meeting of the Board of Directors in New Orleans in July 1999 a motion was carried to make the following change to the life member category of the Constitution and By-laws. According to the Constitution and By-laws, "proposed amendments to this constitution and to the by-laws signed by at least three members in good standing, shall first be submitted to the officers for their consideration. The proposed amendment with the recommendation of the officers will be announced at least thirty (30) days in advance of any regular or special meeting at which time the proposed amendment will be discussed. An affirmative mail vote of at least two-thirds of the membership voting shall be required for the adoption of the amendment". A mail ballot will be sent following the annual meeting in July.

BY-LAWS

ARTICLE IV

Membership

Section I. The types of membership in this organization shall be:

- (1) Charter member
- (2) Member
- (3) Life member
- (4) Associate member
- (5) International associate member
- (6) Honorary member
- (7) Retired member and Retired associate member
- (8) Student member
- (9) Student chapter

CLASSIFIED

Section 2. Qualifications for membership:

- (1) Charter member
 - (a) Charter members shall have the qualifications of members and shall be those who have had fifteen years experience in avian pathology joined together at the 1957 Annual Meeting of the American Veterinary Medical Association to initiate this association, plus others elected by a two-thirds vote of the original charter membership. These latter must also have fifteen years of experience in avian pathology and shall be elected within the first year following adoption of the constitution and by-laws.
- (2) Member
 - (a) Be a permanent resident of one of the five districts (Article V, Section 3, Par. 2), be a graduate of a veterinary college and, if a resident of the U.S.A., be a member of the AVMA.
- (3) Life member
 - (a) A category of membership to which charter members, members, associate members and international associate members, upon entering retirement, may be elected following nomination. In order to be considered for life membership, a person must have made significant contributions to the field of avian pathology and to the American Association of Avian Pathologists and shall have been active in the field a minimum of 25 years. Life members shall not be required to pay any dues or assessments.
 - (b) Retirement is interpreted to mean that the member, associate member or international associate member has retired from major gainful employment.



will be changed to

(3) Life member

- (a)** A special category of membership to which charter members, members, associate members, and international associate members, upon entering retirement, may be elected following nomination. Life members will not be required to pay any dues or assessments.

The following criteria have to be fulfilled to be considered for election:

1. The candidate must have been active in the field of poultry health for a minimum of 25 years. 2. The candidate must have made significant contributions to the American Association of Avian Pathologists. Examples of significant contributions are serving on the Board of Directors, and/or serving on committees of the AAAP such as the Editorial Boards associated with the AAAP (Diseases of Poultry, Avian Diseases, Isolation and identification of avian pathogens, etc.), Awards Committee, Program Committee and/or other committees essential for the AAAP. 3. The candidate must have made significant contributions to the field of poultry health. Equal weight will be given to criteria 2 and 3 in the decision to elect the candidate to life membership.

- (b)** Retirement is interpreted to mean that the member, associate member, or international associate member has retired from major gainful employment.

(4) Associate member

- (a)** Veterinarians who are U.S. residents but not members of the AVMA and persons without a degree in veterinary medicine who are engaged in some phase of avian diseases.

(5) International associate member

- (a)** Persons from outside the designated regions who are engaged in some phase of avian diseases. International associate members will be assessed higher dues than other members to cover the higher costs of overseas mailings.

(6) Honorary member

- (a)** Scientists who have made unusually significant contributions to the field of avian pathology. Not more than two honorary members shall be selected in any one year. An honorary member shall not be required to pay any dues or assessments.

(7) Retired member and retired associate member

- (a)** Upon entering retirement, a member, associate member or international associate member may become eligible for retired membership. Retirement is interpreted in the manner described under 3(b), life member. Dues for retired members shall be either none or shall be at a reduced rate. This rate shall be set and periodically reviewed by the Governing Board of the Association. "Avian Diseases" would be supplied at membership rate if requested.

(8) Student member

- (a)** A person who (1) is enrolled in a DVM/VMD/or equivalent degree program, or (2) is enrolled in a master's degree, doctoral degree, residency or intern program. Dues shall be the same as for retired members who receive a subscription to "Avian Diseases" and shall include that subscription. Membership shall continue to the end of the calendar year of graduation, during which time they may apply by letter to the AAAP office for conversion to other appropriate membership status.

**1999/00 DONATIONS TO AAAP FOUNDATION****BENEFACTOR (\$25,000 OR MORE)****PATRON (\$5,000 OR MORE)**

Dr. I.D. Russell

PRESIDENT'S CLUB (\$1,000 OR MORE)

Dr. John Donahoe

Dr. & Mrs. A.S. Rosenwald

Dr. David Shapiro

SPONSOR (\$500 OR MORE)

IDEXX Laboratories

Dr. & Mrs. Bryan Mayeda

Dr. Dennis Winkler

DONOR (\$100 OR MORE)

Anonymous

Dr. David Halvorson

Dr. Rick Phillips

Dr. Dick Boyd

Dr. Marion Hammarlund

Dr. Peter Poss

Dr. Max Brugh

Mr. & Mrs. Donald Hirst

Dr. Carey Quarles

Dr. William Chase

Dr. S.B. Hitchner

Dr. Donald Roepke

Dr. Randy Chick

Dr. Stan Kleven

Dr. Steve Roney

Dr. Byung Cho

Dr. Larry Koehn

Dr. Ton Schat

Dr. Harold Chute

Dr. Elizabeth Krushinskie

Dr. L. Dwight Schwartz

Dr. Gregg Cutler

Dr. John McCarty

Dr. Louis Shor

Dr. Kenneth Eskelund

Dr. Birch McMurray

Mrs. Betty Walkinshaw

Mr. & Mrs. W.P. Gatlin

Dr. Linnea Newman

Dr. Lloyd Weber

Dr. Yan Ghazikhanian

Nicholas Turkey Farms

Dr. Peter Woolcock

Dr. John Glisson

Perdue Farms

Mr. & Mrs. Vernon Zander

CONTRIBUTOR (LESS THAN \$100)

Dr. Tom Bryan

Dr. Don Simmons

Dr. Rich Chin

Dr. Rade Spasojevic

Dr. Doug Erbeck

Mr. Sherwood Stouffer

Mr. & Mrs. J.Z. Jones

Dr. Pat Wakenell

Mr. Carl Miller

Dr. Richard Wall

Dr. Robin Morgan

Wilcox Farms, Inc.

Dr. T.J. Myers

Mr. & Mrs. Larry Zander

Dr. Teraki Ouchi

Mrs. Margaret Zander

Dr. Greg Rennier

Mr. & Mrs. W. Earle Zander

Dr. Thomas Sawa



**The following members have
changed their name, address,
phone/fax number or e-mail**

ALISANTOSA, Bernadette
31 St. Marks Court
Daly City CA 94015
HOME (650) 991-1091

COLLINS, Wayne T.
8571 Stonehouse Drive
Ellicott City MD 21043
BUS (410) 313-8492
FAX (410) 313-9160
HOME (410) 750-7435
E-MAIL wcollins@mainebiolab.com

DAVIS, Stephen Wayne
9401 Indian Creek Parkway
Suite 1500
Overland Park KS 66210
BUS (913) 664-7046
FAX (913) 664-7208
E-MAIL sdavis@fdah.com

GARRITTY, Adrian Thomas
RR 4, Box 1825
Dardanelle AR 72834

GAUTHIER, Robert
Jefo Nutrition Inc
80 Rue Jefo, CP 325
St-Hyacinthe Quebec J2S 8B1
CANADA
HOME (450) 467-8994
E-MAIL rgauthier@jefo.ca

HUSBANDS, Brian D.
43 Eber Ave
Akron OH 44305

JENSEN, Marcus M.
1276 East 2300 North
Provo UT 84604
BUS (801) 378-2889
FAX (801) 378-9197
HOME (801) 377-7032
E-MAIL marcus_jensen@msn.com

MILLER, Paul G.
PO Box 60772
Harrisburg PA 17106-0772
BUS (717) 787-8808 Ext 212
E-MAIL paumiller@state.pa.us

MUNOZ, Ricardo A
9401 Indian Creek Parkway
Overland Park KS 66210
BUS (913) 664-7093
FAX (913) 664-7208
HOME (913) 338-1370
E-MAIL rmunoz@fdah.com

OPENGART, Kenneth
332 Tallassee Road
Athens GA 30606
BUS (706) 583-4496
FAX (706) 354-7990
HOME (706) 769-8438
E-MAIL chkenlps@aol.com

WAGES, Dennis
NCSU-CVM
4700 Hillsborough St
Raleigh NC 27606
BUS (919) 513-6282
FAX (919) 513-6383
HOME (919) 469-2863
E-MAIL dennis_wages@ncsu.edu

WALA, Fazal
The Wala Group
Information Systems Div
St. Paul MN 55120

WOOD, Mark Daniel
353 Shangri La Circle
Plainwell MI 49080

**Please welcome the following
new members**

ABRAHAM, Taji Susan
9 Tramonti Ct
Sacramento CA 95835
HOME (916) 419-4004
E-MAIL bijtaj@computer.org

BERINSTEIN, Analia
Inst Biotecnologia Inta
Castelar, CC25 (1712) Castelar
Buenos Aires
ARGENTINA
BUS 54-11-4621-1447
FAX 54-11-4481-2975
HOME 54-11-4503-5189
E-MAIL aberinst@ckv.inta.gov.ar

CLINE, Joel Lewis
J.B. Taylor Diagnostic Lab
495 Alabama 203
Elba AL 36323
BUS (334) 897-6340
FAX (334) 897-8813
HOME (334) 897-1550
E-MAIL jbt@alaweb.com

DORMITORIO, Teresa Villan
Poultry Annex, Woodfield Drive
Auburn University
Auburn AL 36849
BUS (334) 844-2643
FAX (334) 844-2641
HOME (334) 821-5186
E-MAIL tdormito@acesag.auburn.edu

DUNPHY, Ronald D.
Box 7400
St. John's Newfoundland A1E 3Y5
CANADA
BUS (709) 729-6886
FAX (709) 729-0055
E-MAIL rondunphy@mail.gov.nf.ca

EBAKO, Grasso
Dept Vet Preventive Medicine
1900 Coffey Road
Columbus OH 43210
BUS (614) 292-1206
FAX (614) 292-4142
HOME (614) 688-9533
E-MAIL ebako.1@osu.edu



FARAH, Ashraf
7 Schinias Street
Panthea 4007, Limassol
CYPRUS
BUS 357-5-720857
FAX 357-5-722866
HOME 357-5-720951
E-MAIL selkom_e@spidernet.com.cy

FIORENTIN, Laurimar
CNPSA-EMBRAPA
CX Postal 221
Concordia SC 89700-000
BRAZIL
BUS 49-442-8555
FAX 49-442-8559
HOME 49-444-2815
E-MAIL laurimar@cnpesa.embrapa.br

HUNG, Armando L.
Calle Guatemala 112
Sta Patricia, La Molina
Lima L-12
PERU
BUS 511-435-3348
FAX 511-435-3064
HOME 511-348-8845
E-MAIL hung@junin.itete.com.pe

JOHNSON, John Daren
9637 Twin Pines Road
Ozark AR 72949
BUS (501) 667-4936
FAX (501) 667-8933
HOME (501) 667-4936
E-MAIL ebenfarm@ipa.net

KAPCZYNSKI, Darrell R.
USDA-ARS-SEPRL
934 College Station Road
Athens GA 30605
BUS (706) 546-3431
FAX (706) 546-3161
HOME (706) 613-0257
E-MAIL dkapczynski@sepri.usda.gov

KULKARNI, Arun Baburao
Georgia Poultry Lab
4457 Oakwood Road
Oakwood GA 30566
BUS (770) 535-5996
FAX (770) 535-5941
HOME (770) 455-0984
E-MAIL akulkarni@gapoultrylab.org

LEE, Chang Won
The University of Georgia
Dept of Avian Medicine
953 College Station Road
Athens GA 30602
BUS (706) 542-5481
FAX (706) 542-5630
HOME (706) 369-9180
E-MAIL lee@arches.uga.edu

LYNCH, John A.
University of Guelph
Laboratory Services Division
95 Stone Road West
PO Box 3650
Guelph Ontario N1H 8J7
CANADA
BUS (519) 767-6221
FAX (519) 767-6240
HOME (519) 823-2538
E-MAIL jlynch@lsd.uoguelph.ca

PIZARRO, Manuel
Servicio de Anatomia Pattologica
Hospital Clinico Veterinario
Facultad de Veterinaria
Madrid 28040
SPAIN
BUS 34-91-3943736
FAX 34-91-3943808
HOME 34-91-7114194
E-MAIL mpizarro@eucmax.sim.ucm.es

RIOS-CAMBRE, Francisco
Paseo de los Frailes 22
Parque Industrial
Santiago Tianguistenco Mexico
MEXICO
BUS 52-713-50340
FAX 52-713-50354
HOME 52-17-203786
E-MAIL francisco.rios@intervet.com

TURPIN, Elizabeth Ann
934 College Station Road
Athens GA 30605
BUS (706) 546-3460
FAX (706) 546-3161
HOME (706) 208-0176
E-MAIL turpinliz@hotmail.com

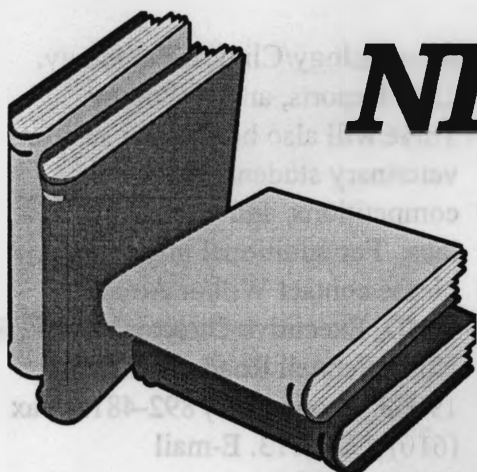
VAN SANTEN, Vicky Lin
Dept of Pathobiology
264 Greene Hall
Auburn University AL 36849
BUS (334) 844-2668
FAX (334) 844-2652
HOME (334) 826-1284
E-MAIL vvsanten@auburn.edu

OFFICE MEMO

Dr. Paul Miller has joined the Pennsylvania Veterinary Laboratory as an Avian Diagnostician. Previously, he worked for 8 years in a similar capacity in the broiler industry in Georgia. He received his Veterinary degree from Oklahoma State University with a specialty in Poultry Medicine. His pre-pet work was done in Mathematics at Case Institute of Technology and also in Physics at Marquette U.

Prior to vet school, he worked in the poultry industry at Pietrus Foods in Minnesota doing breeding and genetics, field service work, processing and hatchery work.

He also worked at the Oklahoma City Zoo as a bird keeper. He has background experience with pigeons, parrots, game birds and falconry.



NEW BOOKS

Avian Viruses

Function and Control

by Branson W. Ritchie
Kip Carter, Medical Illustrator

Avian Viruses, a complete treatise on viruses of companion, aviary, and free-ranging birds, explains the principles of avian virology, including diagnosis, treatment and prevention. It provides a basis for understanding the nature of viruses and how they are capable of causing diseases. The text: Covers use of vaccines and disinfectants; Offers quick references to identification of symptoms; Includes more than 400 drawings and photographs plus tables, charts, graphs, and an extensive glossary.

Dr. Branson W. Ritchie is associate professor of avian and zoologic medicine at the University of Georgia, College of Veterinary Medicine, Department of Small Animal Medicine, Athens, Georgia.

Available from Iowa State University Press, 2121 South State Street, Ames, IA 50014. Phone (800) 862-6657. Fax (515) 292-3348. Website www.isupress.edu.

Poultry Health and Management - 4th Edition

by Dr. David Sainsbury

Updated extensively since the 3rd edition in 1992, *Poultry Health and Management* covers all practical aspects of caring for chickens, ducks, turkeys, geese, and quail. The book's concise and easy-to-read format comprehensively covers new developments in the poultry industry including: New environmentally-friendly systems; Hygiene and vaccines in disease control; Advances in management, especially feeding & nutrition, drinking, lighting and egg collection; Developments in housing; Legislation for public safety concerning poultry products.

Dr. David Sainsbury is a veterinarian and an Emeritus Fellow of Wolfson College, University of Cambridge. He is a former lecturer in Animal Health, Department of Clinical Veterinary Medicine at the University of Cambridge. Well known and respected by the poultry industry as a writer, lecturer and adviser, Dr. Sainsbury has traveled extensively across the world as a specialist adviser.

Available from Iowa State University Press, 2121 South State Street, Ames, IA 50014. Phone (800) 862-6657. Fax (515) 292-3348. Website www.isupress.edu.

Developmental & Comparative Immunology The Avian Immune Response to Infectious Diseases

Guest editors: David A. Higgins & Gregory W. Warr

Free abstracts online at www.elsevier.com/locate/devcompimm. Available from Elsevier Science, Marketing Department Fundamental Life Sciences, Attn. H. Zijlstra, PO Box 880, 1000 AW Amsterdam, The Netherlands. Fax 31-20-8702471. E-mail h.zijlstra@elsevier.nl.

An Update on Zoonoses Scientific and Technical Review

This special issue of the *Scientific and Technical Review* of the Office International des Epizooties is devoted entirely to zoonoses. Twenty-two papers provide information on the latest developments in the field of zoonoses, including recent events involving vCJD, Hendra and Nipah virus infections and West Nile viral encephalitis.

Available from OIE, 12 rue de Prony, 75017 Paris, France. Fax 33-01-42670987. E-mail pub.sales@oie.int.



MEETINGS



89th Poultry Science Association Annual Meeting - to be held August 18-20 in conjunction with the XXI World's Poultry Congress and 6th International Marek's Disease Symposium in Montreal, Canada. The PSA Meeting begins Friday and ends Monday, just as the WPC begins. For more information, please contact the WPC 2000 Congress Secretariat, C/O Events International Meeting Planners Inc, 759 Square Victoria, Suite 300, Montreal, Quebec, H2Y 2J7, Canada, Phone (514) 286-00855. Fax (514) 288-7945. E-Mail info@eventsintl.com.

XXI World's Poultry Congress and 6th International Marek's Disease Symposium - to be held August 20-25, 2000 in Montreal, Canada. For more information, contact XXI World's Poultry Congress Secretariat, c/o Events International Meeting Planners Inc., 759 Victoria Square, Suite 300, Montreal, Quebec, Canada H2Y 2J7. Phone: (514) 286-0855. Fax: (514) 286-6066. E-mail info@eventsintl.com

Association of Avian Veterinarians 21st Annual Conference - To be held August 29-September 2, 2000 in Portland, Oregon. The conference theme this year is "Knowledge Rains in Portland". The main conference program is divided into sections on therapeutics, behavior, case reports, wildlife/epidemiology, and research. In addition, the ever-popular master classes will offer more variety, more in-depth expertise and more new materials. For more information, contact the conference office at 2121 S. Oneida St, Suite 325, Denver, CO 80224. Phone (303) 756-8380. Fax (303) 759-8861. Website www.conferenceoffice.com/aav.

2000 Joint Conference of the American Association of Zoo Veterinarians and International Association of Aquatic Animal Medicine - to be held September 17-21, 2000 in New Orleans, Louisiana. Joint program sessions include Environmental Issues/Facilities Design, Conservation Medicine/Reports from the Field, Toxicology/Pharmacology/Therapeutics, What's New in Diagnostics?, Nutrition, and Reptiles/Amphibians. AAZV concurrent sessions will be Avian, Large Mammals/Ungulates, Small Mammals/Carnivores/Primates, Case Reports/Practice Tips, Innovations in Training at Home and Abroad, New and Improved Surgical Techniques, and Preventive Medicine/Group and Herd Health. IAAAM concurrent sessions will be Infectious Disease,

Immunology/Clinical Pathology, Case Reports, and Pathology. There will also be a poster session, veterinary student paper competitions, and workshops/wet labs. For additional information, please contact Wilbur Amand, VMD, Executive Director/AAZV, 6 North Pennell Road, Media, PA 19063. Phone (610) 892-4812. Fax (610) 892-4813. E-mail 75634.235@compuserve.com.

Western Meeting of Poultry Pathologists and Clinicians - To be held October 3, 2000 at the Post Hotel in Lake Louise, Alberta, Canada. For more information contact Stewart Ritchie (604) 854-6600. E-mail cpcltd@uniserve.com.

51st North Central Avian Disease Conference - To be held October 8-10, 2000 at the University Plaza Hotel & Conference Center, Columbus, Ohio. For more information, contact Dr. Teresa Morishita, Dept. of Veterinary Preventive Medicine, College of Veterinary Medicine, The Ohio State University, Columbus, Ohio 43210. Phone (614) 292-9453. Fax (614) 292-4142. E-mail morishita.1@osu.edu.

2000 Production Focus Health Studies - To be held at the Sheraton Fontainebleau Hotel in Ocean City, Maryland on October 17, 2000. This workshop, which is sponsored by the American College of Poultry Veterinarians, is targeted to provide an opportunity for exchange among veterinarians working, or interested in, the poultry production



environment. This meeting will be approximately 14 presentations that are 20 minutes each in length. We want to encourage an open exchange of poultry production medicine.

Papers will be accepted based on a title and brief abstract. No written materials will be required or printed. Presenters receive free registration.

The focus is to be on current field problems. These do not have to be unusual or rare. This meeting provides clinical veterinarians an opportunity for critique and peer review.

Titles and abstracts can be submitted until July 3, 2000 via fax (410) 543-3042.

Production veterinarians, technical service veterinarians, diagnostic lab veterinarians, university clinical veterinarians, and other related groups are all encouraged to attend.

Registration Forms are available by calling the program committee listed below. Fee includes lunch the day of the meeting and a sponsored social the evening of the meeting.

Registration - \$100.00 U.S. (\$150.00 if after September 15, 2000)

Accommodations: Meeting room will be located at the Sheraton Fontainebleau in Ocean City, Maryland. Attendees are responsible for making their own hotel reservations. A block of rooms has been reserved until September 16, 2000 at the

convention rate (\$89/double) at the Sheraton. Call their toll-free number 800-638-2100 when making reservations and request the special American College of Poultry Veterinarians group rate.

The meeting has been conveniently scheduled proceeding the annual National Meeting on Poultry Health and Processing in Ocean City, Maryland.

For additional information, please contact a member of the program committee Dr. Louise Dufour-Zavala (770-535-5996), Dr. John McCarty (954-646-8996), or Dr. Bruce Stewart-Brown (410-543-3783).

XII International Congress of the World Veterinary Poultry Association - To be held September 17-21, 2001 in Cairo, Egypt.

On behalf of the Ministry of Agriculture, the Ministry of High Education and Scientific Research, and the Egyptian Branch of the World Veterinary Poultry Association (WVPA) we are honored to invite you to attend the XII International Congress of the WVPA to be held under the general concept "Current Development and Prospects for Poultry Disease Prevention and Control." The main object of the Congress is to transfer knowledge from current research and experience to professionals in the field and producers as well. Being held for the first time in an African country with history spanning 7000 years and splendid culture holds a very

special appeal for visitors.

The excellent scientific program including eminent keynote speakers from different countries, the superb cultural and historical social program activities and the congress venue, the city of Cairo with its dazzling varied metropolis and contrasts, promise to fascinate and satisfy participants of the congress.

We take great pleasure in inviting you from all continents to attend the XII International Congress of the WVPA; the latter deserves our sincere thanks for its decision to hold its XII Congress in Egypt.

Main topics of the Scientific Sessions: Viral, mycoplasmal, bacterial, mycotic and parasitic diseases of poultry; Epidemiology and diagnosis of poultry diseases; Developmental, nutritional and metabolic disorders in poultry; Immunity and immune stimulants; Poultry vaccines and therapeutics; Contaminants and noxious substances in poultry feed and products; Poultry management and biosecurity; Poultry genetics and genetic disease resistance.

For more information contact the Organizing Committee, 12th International Congress WVPA 2001, MIPCO, PO Box 2399, El-Horriyis, Heliopolis, Cairo, Egypt. Phone (202) 244-2587. Fax (202) 247-4955. E-mail mipco@thewayout.net.



Employment Opportunities

Sr. Research Associate II - The Department of Microbiology & Immunology, Unit of Avian Health, of the College of Veterinary Medicine at Cornell University seeks applicants for a Sr. Research Associate II. This is a professional position that will involve developing and carrying out independent and collaborative research programs dealing with infectious diseases of ducks. The position is located at the Cornell University Duck Research Laboratory, Eastport, Long Island, New York. The incumbent will be expected to: 1) develop and conduct basic and applied research on problems of economic importance to the commercial duck industry, 2) participate in a program involving development, production and testing of USDA-licensed biologics for use in ducks, 3) participate in the avian disease diagnostic service and 4) supervise technical support staff. Ability to work as a team member is essential.

Candidates should have a DVM or equivalent degree, ideally with an advanced degree, and have experience in poultry disease diagnosis or research, preferably both. The incumbent will be a regular member of the staff of the College of Veterinary Medicine at Cornell University and thus enjoy all of the associated rights and privileges. Salary will be commensurate with training and experience. The position carries the attractive features of dealing with a fertile field for species-oriented disease research with good facilities and support. Applicants should send their curriculum vitae, personal bibliography and names of three persons from whom references may be sought to: Dr. Tirath S. Sandhu, Chair Search Committee, Cornell University Duck Research Laboratory, P.O. Box 217, Eastport, NY 11941. Applications will be accepted until August 1, 2000. AA/EOE



Poultry Disease Scientist, Department of Pathobiology, College of Veterinary Medicine, Auburn University. A tenure-track (Assistant, Associate, or Full Professor) position is available for a poultry disease scientist. The primary duties are research, teaching and outreach pertaining to poultry diseases. The research component involves the development of an extramurally competitive program and interaction with relevant existing research programs. Teaching responsibilities encompass team-taught graduate courses, supervision of graduate student research, and diseases of poultry and other avian species in the professional curriculum contingent upon qualifications. Outreach activities such as consultations with commercial poultry producers or allied industries are encouraged. Essential qualifications are the PhD degree or equivalent and evidence of recent accomplishments in poultry disease research. The DVM degree or equivalent, board certification in pathology, poultry medicine, or microbiology; and consultative experience with commercial poultry producers or allied industries in a diagnostic or corporate setting are preferred. Salary is negotiable and commensurate with qualifications and experience. The position is available October 1, 2000. Review of applications will begin August 15, 2000 and will continue until the position is filled. Send curriculum vitae, statements of research and teaching interests, and the names, addresses and telephone numbers of three references to: Frederic J. Hoerr, DVM, PhD, Chairman, Search Committee, Veterinary Diagnostic Laboratory, P.O. Box 2209, Auburn, Alabama 36831-2209, TEL (334) 844-4987, FAX (334) 826-3592. e-mail: fhoerr@mindspring.com. Auburn University is an affirmative action/equal opportunity employer. Minorities and women are encouraged to apply.



RESEARCH SCIENTIST/ASSOCIATE - Intervet Inc., a rapidly-growing company committed to the development and manufacturing of the highest quality veterinary vaccines, has an immediate opening in its Poultry R&D Department for a Research Scientist/Associate. The qualified individual will join a research team with a specific emphasis in the development of vaccines for poultry. Responsibilities include designing and conducting both basic and applied research studies (e.g. molecular virology, animal models, microbial pathogenesis, immunological assay development, vaccine evaluation), and preparation of study protocols and reports. The candidate must have a MS degree in Microbiology or a BS degree in Microbiology and five years experience. A strong background in Virology with bench experience in vaccine related research is preferred. Individuals with industry experience with biologics will be given additional consideration. Good interpersonal skills including verbal and written communication and the ability to lead and work in project teams is necessary.

Intervet Inc. is a subsidiary of **AKZO NOBEL**, a multinational company employing 86,000 people in more than 70 countries. **Intervet offers competitive wages, excellent working environment & outstanding benefits, effective on hire date, including vacation, holidays, tuition reimbursement, 401K w/Co. match, retirement, medical, dental, disability & life insurance.** EOE. For additional information call 800-992-8051 x4274.

To apply, forward resume to: Human Resources Department, Intervet, Inc, PO Box 318, Millsboro, DE 19966, email: pat.townsend@intervet.com

BECOME AN IMPORTANT MEMBER OF A WINNING TEAM

World-wide leader in development and production of poultry biologics has these positions immediately available in Gainesville, GA-50 miles north of Atlanta, on Lake Lanier at the foothills of the Appalachian Mountains. The Avian Division of the worlds largest animal health company. We offer an excellent and empowered work environment.

ASSOCIATE RESEARCH SCIENTIST-R&D [2]. Plan, execute studies-develop protocols; research reports; USDA licensing; technology transfer to QC & Production. Mostly lab bench work, some hands-on clinical work with chickens. Requirements: B.S., Masters preferred, Biology, Microbiology, Virology; 3-5 years experience in poultry research-product development; excellent written and verbal communication skills; MS Word Suite.

ASSOCIATE MANAGER, INTERNATIONAL PRODUCT REGISTRATION, LATIN AMERICA – R&D. Prepare registration dossiers to country specifications; knowledgeable resource with Local Authorities; maintain registration files; licensing renewals. No travel required. Requirements: B.S. in Science related field; technical avian biologics background; fluency in Spanish & English; International Poultry registration experience; excellent written and verbal communication skills; MS Word Suite.

Send Resume with salary history to:
jay.kelly@merial.com or fax 770.534.0356.
 Merial Select, Merial Limited, A Merck & Aventis Company. EOE.





**AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS
SCHEDULE OF EVENTS
HILTON (DOUBLETREE HOTEL), SALT LAKE CITY, UTAH**

FRIDAY, JULY 21

8:00 AM-7:00 PM

Board of Directors Meeting

*Salon II***SATURDAY, JULY 22**

8:00 AM-7:00 PM

Board of Directors Meeting

Salon II

9:00 AM-6:30 PM

ACPV Exam

*DoubleTree West***SUNDAY, JULY 23**

7:00 AM-8:00 AM

Awards Committee

Canyon II

7:00 AM-8:30 AM

Toxic, Infectious, Miscellaneous, & Emerging
Diseases Committee*Executive Board Room*

7:00 AM-8:00 AM

AAAP/AVMA Liaison Committee

Canyon III

7:30 AM-8:30 AM

Georgia MAM Alumni Group

DoubleTree East

7:30 AM-5:30 PM

Poster Session

Convention Center, Ballroom A

8:00 AM-5:00 PM

Molecular Identification & Epidemiology of Avian
Pathogens Symposium***Convention Center, Ballroom B***

12:15 PM-1:15 PM

Avian Disease Manual Editorial Committee

Executive Board Room

12:15 PM-1:15 PM

Membership Committee

Canyon I

3:00 PM-7:00 PM

ACPV Board Meeting

Executive Board Room

5:00 PM-7:00 PM

Diseases of Poultry Editorial Board

Canyon III

5:30 PM-6:30 PM

Biotechnology Committee

*Canyon I***MONDAY, JULY 24**

7:00 AM-8:00 AM

Veterinary Licensing Committee

Canyon I

7:00 AM-8:00 AM

Avian Diseases Editorial Board

Salon I

7:00 AM-8:00 AM

Preceptorship Committee Meeting

Executive Board Room

7:00 AM-8:00 AM

Epidemiology Committee

Salon III

7:00 AM-8:30 AM

History Committee

Canyon III

7:00 AM-8:30 AM

Foodsafety & Diseases of Public Health

Significance Committee

Topaz Room



7:30 AM-5:30 PM

8:00 AM-5:00 PM

8:00 AM-5:00 PM

Noon-2:00 PM

2:00 PM-6:00 PM

5:00 PM-6:00 PM

6:00 PM-8:00 PM

TUESDAY, JULY 25

7:00 AM-8:00 AM

7:00 AM-8:00 AM

7:00 AM-8:00 AM

7:00 AM-9:00 AM

7:30 AM-5:30 PM

8:00 AM-5:00 PM

8:00 AM-5:00 PM

10:30 AM-12:00 noon

12:00 PM-1:30 PM

5:00 PM-6:00 PM

5:00 PM-6:30 PM

5:00 PM-7:00 PM

5:30 PM-7:00 PM

6:00 PM-7:00 PM

WEDNESDAY, JULY 26

7:00 AM-11:00 AM

7:30 AM-Noon

8:00 AM-Noon

8:00 AM-Noon

Poster Session

Convention Center, Ballroom A

Scientific Program Session A

Convention Center, Ballroom B

Scientific Program Session B

Convention Center, Ballroom D

AAAP Awards Luncheon

DoubleTree Ballroom

ACPV Board Meeting

Salon I

Enteric Diseases Committee

Salon II

Biologics Committee

Canyon III

Animal Welfare and Management Committee

Executive Board Room

Drugs and Therapeutics Committee

Salon I

Education Committee

Canyon III

ACPV Reception

DoubleTree Ballroom

Poster Session

Convention Center, Ballroom A

Scientific Program Session A

Convention Center, Ballroom B

Scientific Program Session B

Convention Center, Ballroom D

AAAP BUSINESS MEETING

Convention Center, Ballroom B

California Poultry Group

Salon I

Electronic Information Committee

Executive Board Room

Association of Avian Technical Service Veterinarians

Salon II

Long Range Planning Committee

Canyon II

Respiratory Diseases Committee

DoubleTree East

Tumor Virus Committee

Canyon III

Board of Directors Meeting

Salon I

Poster Session

Convention Center, Ballroom A

Scientific Program Session A

Convention Center, Ballroom B

Scientific Program Session B

Convention Center, Ballroom D



AATSV MEETING ANNOUNCEMENT/INVITATION

Steven Clark

You are invited to attend a meeting of the Association of Avian Technical Services Veterinarians at the AVMA/AAAP in Salt Lake City. The meeting is TUESDAY EVENING (July 25, 5:00 - 6:30 pm) in Salon II of The Hilton (DoubleTree) Hotel.

Agenda items include:

- Business meeting. Time for elections.
- Next minor meeting is Ocean City.
- Next major meeting is in Atlanta.
- Dr. Pullen with University of MN will discuss "World's Safest Food Supply??" (20-25 minutes).
- Dr. Dennis Wages with NCSU-CVM will give us another "Update on Antibiotic Issues: Resistance, Legislation" (15-20 minutes).

Awards Committee

Ton Schat

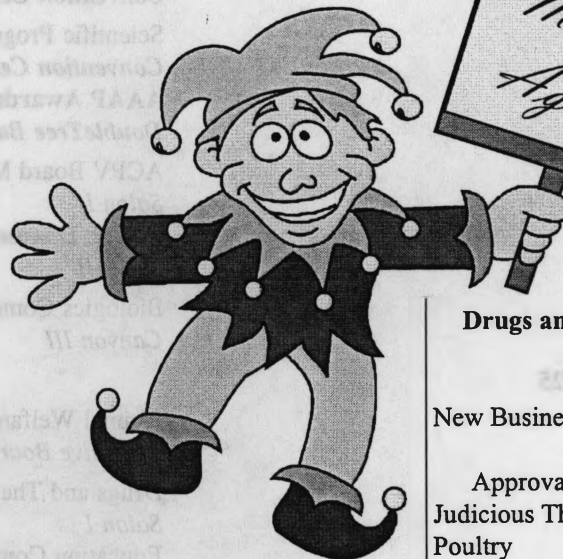
1. Discussion of judging student posters
2. Discussion of judging oral student presentations
3. New business

Biologics Committee

T.J. Myers

Tentative agenda for Biologics Committee meeting:

1. Discussion of symposium proposal
2. APHIS Center for Veterinary Biologics status report
3. Infectious bronchitis vaccine development
4. Observations on Newcastle disease vaccine performance in Mexico
5. Discussion of Newcastle and AI vaccines; outbreak preparedness and trade issues



Biotechnology Committee

Daral Jackwood

1. Symposium 2000: Molecular Identification And Epidemiology Of Avian Pathogens.

- Review and Program Critique
- Acknowledgment of Program Committee

2. Goals and Mission Statement of the AAAP Biotechnology Committee

3. Committee Activities for 2000/2001
 - AAAP Web Site

4. Old Business

5. New Business

Drugs and Therapeutics Committee

Dennis Wages

New Business

Approval of General Principles of Judicious Therapeutic Antibacterial Use in Poultry

Approval of Poultry Guidelines of Judicious Therapeutic Antibacterial Use

Discussion on dissemination of AAAP guidelines to membership

FDA workshops - Thresholds, Framework Document (Attendance)

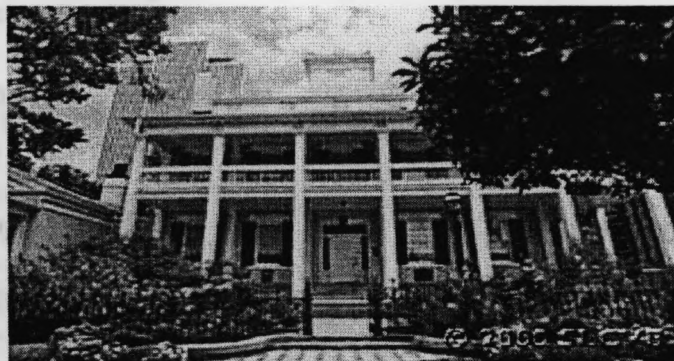
Enteric Diseases Committee

Steven Clark

Agenda items include:

- Business meeting.
- Time for elections.
- Approve some Committee guidelines and mission statement.

Dr. Norton of Auburn will give us an update on Clostridial issues (20 minutes).





Epidemiology Committee

Richard Slemons

- I. Presentation and approval of minutes from 1999 Meeting
- II. Old Business:
 - A. Update on AAAP Epidemiology Committee's Interest Survey of AAAP members
 - B. Update from Am.Coll.of Vet.Prev. Med., Epidemiology Subspecialty liaison
 - C. Finalizing mission statement
 - D. Developing objectives
 - E. Finalizing operating guidelines
 - F. Soliciting representatives from the broiler, layer, and turkey industries
 - G. Update on proposed continuing education workshop
- III. New Business:
 - A. Future direction of the AAAP Epidemiology Committee
 - B. Open

History Committee

Richard Witter

- Welcome new members, guests
- Roster information
- Mission statement
- Status reports and current issues
- Archives (Trampel, Cardona)
- Biographies and oral histories (Cardona)
- Web page (van Sambeek)
- Manuscripts (Witter)
- Committee goals for year
- Operations and subcommittee assignments
- Other new business

Respiratory Diseases Committee

Syed Naqi

Agenda:

- ♦ Avian influenza update - 15 min
Discussion leader - Dr. David Swayne
- ♦ Infectious bronchitis - 20 min
Discussion leader - Dr. Fred Hoerr
- ♦ Infectious laryngotracheitis - 15 min
Discussion leader - Dr. John Smith
- ♦ Newcastle disease - 10 min
Discussion leader - Dr. Jack King
- ♦ Mycoplasma infections - 10 min
Discussion leader - Dr. Stan Kleven
- ♦ Other current respiratory infections of significance - 20 min
Discussion leader - Dr. Mariano Salem

Following initial comments by the discussion leaders there will be opportunity for other participants to ask questions or make brief comments.

Toxic, Infectious, Miscellaneous, and Emerging Diseases Committee

H.L. Shivaprasad

1. Mission statement, objectives and guidelines for the operation of the committee
2. Proposal for symposium 2001
3. Disease updates (CIAV, IBDV, Pox and others)
4. Others





Molecular Identification and Epidemiology of Avian Pathogens Symposium
Sunday, July 23, 2000
Convention Center, Ballroom B

8:00 am	Opening remarks and program Overview	Daral J. Jackwood
	Moderator: Hyun S. Lillehoj	
	<i>Coccidiosis</i>	
8:10 am	Molecular approaches for the differential diagnosis of Eimeria species	Harry Danforth
	Moderator: Lloyd H. Lauerma	
	<i>Mycoplasma</i>	
8:30 am	Avian Mycoplasma strain identification by random amplification of polymorphic DNA (RAPD)	David Ley
8:50 am	Pathogenic avian Mycoplasma specific PCR and its possible application	Mazhar Khan
9:10 am	Field evaluation of <i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i> polymerase chain reaction assays in various national and international laboratories	Lloyd H. Lauerma, Sharon Levisohn, E. Icochea, A. Ramirez, N. Noe, and L. Li
9:30 am	Break	
	Moderator: Mazhar Khan	
	<i>Bacterial Pathogens</i>	
10:00 am	5' Nuclease assay for the detection of avian pathogenic bacteria.	Vivek Kapur
10:20 am	SERE-PCR assay for the genetic fingerprinting of <i>Salmonella enteritidis</i>	K. V. Nagaraja
10:40 am	PCR and ERIC-PCR tests for the detection and differentiation of <i>Hemophilus paragallinarum</i> isolates and serotypes	Mazhar I. Khan.
	Moderator: Robert Silva	
	<i>DNA Viruses</i>	
11:00 am	Infectious laryngotracheitis virus: Can we identify the bad guys	Calvin Keeler
11:20 am	Molecular techniques for the diagnosis of fowlpox virus.	Deoki Tripathy
11:40 am	Practical application of PCR for Marek's disease virus and chicken anemia virus detection	Patricia S. Wakenell
Noon	Lunch	
	Moderator: Mark W. Jackwood	
	<i>RNA Viruses</i>	
1:30 pm	Diagnosis of IBV using molecular techniques	Mark W. Jackwood
1:50 pm	Application of classical and molecular virology techniques to control avian leukosis virus infection	Guillermo Zavala
2:10 pm	The use of nucleotide sequence to predict pathogenicity and for epidemiologic analysis of avian influenza virus outbreaks	David Suarez
2:30 pm	Molecular diagnosis of infectious bursal disease viruses: Practical applications and significance of the results	Daral J. Jackwood
2:50 pm	Break	
	Moderator: Daral J. Jackwood	
	<i>Industry Perspective</i>	
3:20 pm	Commercial applications of molecular diagnostic techniques in veterinary medicine: A decade of experience at IDEXX Laboratories	John Taxter
3:40 pm	Using PCR analysis to monitor IBD status on broiler farms	Kalen Cookson
4:00 pm	Routine application of molecular diagnostics in the poultry diagnostic laboratory	Frederic J. Hoerr
4:20 pm	Practical application of molecular diagnostic techniques in commercial poultry	Bruce Stewart-Brown
4:40 pm	Adjourn	



AAAP/AVMA SCIENTIFIC PROGRAM

	Monday, July 24 Session A Convention Center, Ballroom B Moderator: Mo Saif	Monday, July 24 Session B Convention Center, Ballroom D Moderator: David Ley
8:00 am	Virulence and pathotype markers of infectious bursal disease virus reside in the VP2 protein Meggen Brandt & V. Vakharia	<i>Eimeria tenella</i> infection induces local IFN- γ production and intestinal lymphocyte subpopulation changes Hyun Lillehoj & C. Yun
8:15 am		Anticoccidial sensitivity analysis of mixed coccidial species from coccivac immunized or anticoccidial medicated poultry growout houses Harry Danforth
8:30 am	Pathogenicity and molecular characterization of recent Korean isolates of infectious bursal disease virus Dong-Woo Lee, H. Kwon, Y. Ahn, J. Yoon & S. Kim	Correlation Between antibody and DNA-PCR of <i>Mycoplasma synoviae</i> from infected pipped embryos Antonio Ramirez, E. Icochea, P. Rios, N. Noe & S. Levishon
8:45 am	Clinical and molecular characterization of IBDV field strains obtained from commercial broilers Alejandro Banda, J. El-Attrache, P. Villegas & M. Ruano	Molecular Typing of <i>Mycoplasma synoviae</i> by pulsed field gel electrophoresis Victoria Leiting, S. Kleven, C. Hudson & J. Maurer
9:00 am	<i>In vitro</i> hemolytic activity of infectious bursal disease virus infected bursal homogenate Dong-Woo Lee & S. Kim	Isolation and characterization of <i>Mycoplasma gallisepticum</i> vaccine-like strains from unvaccinated chickens and turkeys Stanley Kleven, J. Bricker M. Garcia, R. Hein, S. Heins-Miller, N. Kinney, V. Leiting, T. Liu, D. Hey, J. Quinn, K. Rudd, E. Wallner-Pendleton & K. Whitear
9:15 am	Novel ELISA for the detection and differentiation of infectious bursal disease virus (IBDV) from bursal samples Chinta Lamichhane & L. Jerome	Epidemiological studies of <i>Mycoplasma gallisepticum</i> infection in Israel: What we can learn from molecular typing Sharon Levisohn, I. Gerchman, D. Ley, M. Garcia, D. Yogev & Y. Weisman
9:30 am	Infectious bursal disease virus field challenge: Correlation of IBD-XR ELISA titers and virus detection using RT/PCR Daral Jackwood, V. Leathers & J. Smith	The effect of 6/85 strain <i>Mycoplasma gallisepticum</i> on egg production; selected egg and eggshell quality parameters; and egg size distribution in commercial layers Scott Branton, S.M.D. Bearson, S.D. Collier, B.D. Lott, W.R. Maslin & G.T. Pharr
	Break 9:45 AM – 10:15 AM Moderator: Pedro Villegas	Break 9:45 AM - 10:15 AM Moderator: Willie Reed
10:15 am	Protection of chickens against infectious bursal disease by DNA-mediated vaccination Ching Ching Wu, H. Chang & T. Lin	<i>In vitro</i> expression and characterization of attachment proteins of <i>Salmonella enteritidis</i> Mazhar Khan & A. Fadl
10:30 am	Using computer imaging and evaluation to determine protection against infectious bursal disease Eric Lovell, F. Hoerr, D. Jackwood & H. Knoblick	Pathology of <i>Salmonella enteritidis</i> of poultry environment origin in SPF chicks Bernadette Alisantosa & A. Dhillon
10:45 am	Infectious bursal virus serology interpretation-art or science? Ken Opengart & L. Dufour-Zavala	The relationship between the specific antibody response and the deposition of <i>Salmonella enteritidis</i> in eggs laid by experimentally infected hens Richard Gast & P. Holt
11:00 am	Detection of chicken infectious anemia virus in embryonal tissues Karel Schat, K. Ealey & W. Oswald	Safety and efficacy of a modified live <i>Salmonella typhimurium</i> vaccine in laying hens Sandra Kelly-Aehle, J. Lawrence & R. Curtiss III



	Monday Continued	Monday Continued
11:15 am	Survey of Pathogens in Free-living Avian Pests Teresa Morishita, P. Aye, B. Harr & E. Ley	Oral chicken-egg derived antibody and the prevention of infection and shedding of <i>Salmonella enteritidis</i> in egg-laying chickens Richard Fulton, T. Peters, M. Orth, B. Nersessian & W. Reed
11:30 am		Prevalence of <i>Salmonella</i> spp. in the crops and cecum of market-aged broilers in commercial processing plant Benjamas Promsopone, T. Morishita, B. Harr & C. Cobbs
	AAAP AWARDS LUNCHEON 11:45 AM- 2:00 PM	AAAP AWARDS LUNCHEON 11:45 AM- 2:00 PM
	Moderator: Ken Opengart	Moderator: L. Dufour-Zavala
2:00 pm	Pathogenesis of IBV with different tissue tropism and identification of genetic sites associated with nephropathogenicity Chang Lee, M. Jackwood & D. Hilt	Dynamics of <i>Salmonella</i> colonization in a commercial quail operation Jean. Sander, C. Hudson, L. Dufour-Zavala, D. Waltman, C. Lobsinger, S. Thayer, R. Otalora & J. Maurer
2:15 pm	Nucleotide sequence comparisons of the Korean isolate infectious bronchitis virus Young-Ki. Ahn, H. Kwon & S. Kim	Respiratory disease in poultry associated with <i>Nisseria</i> -like bacterium Richard Chin
2:30 pm	Characterization of <i>in vitro</i> expressed IBDV spike glycoproteins and virions in avian and non-avian cell lines Emma Wade, C. Lee, M. Jackwood & D. Hilt	Pathological lesions induced by <i>Nisseria</i> -like organisms in turkey Alberto Back, K. Nagaraja, R. Chin, V. Lopes, D. Halvorson & H. Sin
2:45 pm	Major histocompatibility complex class I differences in illness associated with infectious bronchitis virus infection Ellen Collisan, J. Pei, J. Briles, W. Briles & J. Dzielawa	Facial cellulitis associated with <i>Pasteurella multocida</i> in male turkeys Rocio Crespo & R. Chin
3:00 pm	<i>In-ovo</i> recombination of the S1 coding region of an infectious bronchitis virus field isolate Carlos Estevez, J. El-Attrache & P. Villegas	Ulcerative dermatitis in breeder hens Francene Van Sambeek, F. Hoerr & S. Lockaby
	Break 3:15 PM - 3:45 PM	Break 3:15 PM - 3:45 PM
	Moderator: Mark Jackwood	Moderator: Fred Hoerr
3:45 pm	Infectious bronchitis virus isolates made between 1995 and 1999: Characterization and trends Peter Woolcock & M. McFarland	Detection of integrons, genetic elements encoding antibiotic resistance, in <i>Campylobacter Jejuni</i> isolated from food animal and environmental sources Margie Lee, J. Maurer, H. Barnhardt & M. Zimmer
4:00 pm	Characterization of recent avian infectious bronchitis virus from Quebec Amer Silim, R. Smati & M. Marandi	Distribution of <i>Staphylococcal</i> enterotoxin genes among <i>Staphylococcus aureus</i> isolated from poultry and humans John Maurer, A. Hazariwala, Q. Sanders, C. Hudson, C. Hofacre & S. Thayer
4:15 pm	Inhibition of Newcastle disease virus replication by chicken IFN- γ -induced nitric oxide Hung-Yueh Yeh & J. Sharma	Comparison of Streptogramin-resistant <i>E. faecium</i> from poultry and humans Judith Johnson, J. Hayes & D. Wagner
4:30 pm	Use of immunohistochemistry and <i>in situ</i> hybridization to define sites of infection in birds inoculated with six pigeon-origin strains of Newcastle disease virus Glaucia Kommers, D. King, B. Seal & C. Brown	West Nile fever- A disease of man and animals Mertyn Malkinson, C. Banet, J. Weisman & V. Deubel
4:45 pm	The effect of chicken backpassage on virulence of Newcastle disease virus isolates primarily of non-chicken origin Daniel King, G. Kommers, C. Brown & B. Seal	Pathogenicity of West Nile virus in chickens Dennis Senne, J. Pedersen, W. Taylor, D. Hutto, A. Wilson & B. Panigrahy
	Adjourn 5:00 PM	Adjourn 5:00 PM



	Tuesday, July 25 Session A	Tuesday, July 25 Session B
	Moderator: Guillermo Zavala	Moderator: Joan Jeffrey
8:00	Analysis of multiple Marek's disease virus genes in recombinant fowlpox virus Lucy Lee, R. Witter & S. Reddy	<i>Escherichia coli</i> of chicken origin and the association of their site of origin, biochemical ("biocode"), and plasmid profiles with their lethality for embryonated eggs Roy Montgomery, Y. Luo, C Boyle & L. Jones
8:15	Efficacy of a live vectored Marek's disease virus GB and Newcastle disease virus F and HN proteins Huw Hughes, G. Sarma, D. Roessler & F. Sterner	Biochemical fingerprints and antimicrobial susceptibility patterns of <i>Escherichia coli</i> isolates from clinical and environmental turkey specimens Sean Altekruze, F. Elvinger, N. Sringinathan, D. Ward & F. Pierson
8:30	Field experience with recombinant (r) HVT (MDV) and rHVT (MDV, NDV) vaccines Ruud Hein & G. Slacum	Arsenite resistance in <i>Escherichia coli</i> isolates of avian origin Penelope Gibbs, R. Wooley & J. Maurer
8:45	The use of serotype 1 MDV as an <i>in ovo</i> vaccine in SPF chickens Yugen Zhang & J. Sharma	The effects of <i>Escherichia coli</i> of different origins on inducing avian cellulitis Kenneth Macklin & R. Norton
	Break 9:00 AM – 9:30 AM	Break 9:00 AM – 9:30 AM
	Moderator: John Glisson	Moderator: Roy Montgomery
9:30	Efficacy of a multivalent <i>in ovo</i> vaccine in commercial chickens Jagdev Sharma, Y. Zhang, D. Jensen, S. Rautenschlein & H. Yeh	Comparison of virulence factors in <i>Escherichia coli</i> associated with cellulitis or colisepticemia in chickens Joan Jeffrey, L. Nolan, R. Singer C. Giddings, L. Elijah, S. Wolfe & K. Tonooka
9:45	Increased protection following <i>in ovo</i> vaccination against infectious bronchitis with a DNA vaccine containing the S1 glycoprotein gene Darrell Kapczynski, D. Hilt & M. Jackwood	Intensive field study of environmental risk factors for cellulitis in broiler chickens Randall Singer, J. Jeffrey & E. Atwill
10:00	Protection studies of infectious laryngotracheitis in chickens immunized with DNA vaccine I-Hsin Cheng, S. Riblet & M. Garcia	Risk factors associated with <i>E. coli</i> infections in Ontario turkeys Bruce Hunter, E. Martin, B. Senai & I. McMillan
10:15	Efficacy if three inactivated vaccines to inclusion body hepatitis and hydropericardium syndrome in broilers in Peru Eliana Icochea, M. Alba, L. Flor & A. Ramirez	Clinical field efficacy study using apralan soluble powder for the control of colibacillosis-related mortality in growing turkeys Bret Rings, G. Moore, A. Zimmerman & T. Campi
	Business Meeting 10:30 AM – 12:00 Noon	Business Meeting 10:30 AM – 12:00 Noon
	Lunch 12:00 Lunch – 1:00 PM	Lunch 12:00 Lunch – 1:00 PM
	Moderator: Dick Witter	Moderator: Tom Campi
1:00	Antigenic and sequence changes produced by passing ALV-J in tissue culture in the presence of neutralizing antibodies Saad Gharaibeh, T. Brown, Y. Kim, N. Stedman, M. Pantin-Vera & J. Verner	Involvement of <i>Iss</i> in avian colibacillosis Shelley Horne, L. Nolan & C. Giddings
1:15	Multiple avian leukosis virus proviral sequences (including subgroup J avian leukosis virus) detected in a single myelocytoma from a 6-week-old meat-type chicken Guillermo Zavala, M. Jackwood & D. Hilt	



	Tuesday Continued	Tuesday Continued
1:30	The role of non-coding regions in the ALV-J genome on virus replication Robert Silva, B. Lupiani, A. Fadly & H-J Kung	Studies on age susceptibility of stunting syndrome Don Reynolds, A. Ali & J. Oesper
1:45	Biological characterization of two ALV a/j recombinant viruses in chicken Blanca Lupiani, R. Silva, S. Williams, H. Hunt & A. Fadly	Control of <i>Cochlosoma anatis</i> infection in turkeys Magalie Boucher & A. Bermudez
2:00	Tissue tropism of subgroup J avian leukosis virus Susan Williams, K. Conklin, A. Fadly & W. Reed	Field experience with typhlitis in turkey poults David Hermes
2:15	Comparative analysis of the EV-O derived cell line DF-1 and line O, C/E chicken embryo fibroblasts for the isolation and detection of subgroup J avian leukosis virus John El-Attrache, P. Villegas & M. Garcia	Increased mortality in day-old poults associated with ruptured yolk sacs Jose Linares & W. Wigle
2:30	Detection of avian leukosis virus-subgroup J (ALV-J) in microscopic sections using an <i>in situ</i> reverse transcriptase polymerase chain reaction assay (IS-RT-PCR) Tom Brown, M. Pantin, S. Gharaibeh, Y. Kim & N. Stedman	Effect of tylan on hatchability of turkey eggs Gorica Rajcic-Spasojevic
	Break 2:45 PM – 3:00 PM	Break 2:45 PM – 3:00 PM
	Moderator: Tom Brown	Moderator: John Barnes
3:00	Quantification of avian leukosis virus subgroup J (ALV-J) RNA by competitive reverse transcription polymerase chain reaction (C-RT-PCR) Yong Baek Kim, T. Brown, S. Gharaibeh, N. Stedman & M. Pantin	Pododermatitis in turkeys: Survey of U.S.A. and U.K. flocks Steven Clark, G. Hansen, P. McLean & P. Bond
3:15	Heterophil function and resistance to <i>Staphylococcal</i> challenge in chickens naturally infected with avian leukosis virus subgroup J Nancy Stedman, T. Brown & D. Bounous	Prevention of mortality related to leg problems in turkey toms at the end of the grow-out: An economic model Cynthia Philippe, J. Vaillancourt, S. Leeson, J. Barnes, D. Wages, L. Baucom & L. Ivy
3:30	Influence of age at exposure and maternal antibody on subgroup J avian leukosis virus infection in meat-type chickens Aly Fadly & R. Witter	Avian pneumovirus (APV) in wild waterfowl Brian McComb, D. Halvorson, K. Nagaraja, H. Shin & F. Jirjis
3:45	Mitigation of horizontal transmission of subgroup J avian leukosis virus during and immediately following hatching Richard Witter & A. Fadly	Genetic variations in avian pneumoviruses isolated from USA Moses Njenga, A. Heath, D. Halvorson, K. Nagaraja & S. Goyal
4:00	Susceptibility of chicken embryos and hatching chicks to avian leukosis virus-subgroup J (ALV-J): The effects of <i>in ovo</i> antibody Justin Verner, T. Brown, M. Pantin, S. Gharaibeh, Y. Kim, & N. Stedman	Pathogenesis of avian pneumovirus infection in turkeys Faris Jirjis, S. Noll, D. Halvorson, K. Nagaraja & D. Shaw
4:15	Role of nitric oxide on avian tumor virus replication Sanjay Reddy, H-W Seong & L. Lee	Immunosuppression caused by avian pneumovirus (APV) Parag Chary, S. Rautenschlein & J. Sharma
4:30	Pathogenicity studies of four serotype I Marek's disease virus field isolates Jose Ruano, J. El-Attrache & P. Villegas	Studies on susceptibility of broiler chickens to avian pneumovirus of turkeys Hyun-Jin Shin, K. Nagaraja, B. McComb, A. Back & D. Halvorson



Tuesday Continued		Tuesday Continued	
4:45			
	Adjourn 5:00 PM		Adjourn 5:00 PM
	Wednesday, July 26 Session A		Wednesday, July 26 Session B
	Moderator: David Swayne		Moderator: David Rives
8:00	Dual viral infections of pox and ILT in chickens H. L. Shivaprasad, B. Lucio, G. Cooper, B. Charlton, R. Crespo & P. Woolcock		An outbreak of <i>Mycobacterium genavense</i> in a pet bird aviary A. Dhillon, I. Ericks & B. Alisantosa
8:15	A case study of <i>Clostridium botulinum</i> mortality in broiler breeder birds Tami Kelly		The role of various etiologic agents in the pathogenesis of gangrenous dermatitis in broiler chickens Robert Norton, T. Wilder, J. Barbaree, J. Krehling & K. Macklin
8:30	Riboflavin deficiency in commercial California poultry operations Bruce Charlton, G. Cooper, M. Bland, A. Bickford, E. Wallner-Pendleton & G. Cutler		Phylogenetic analysis of adenoviruses isolated in Taiwan from chickens, ducks and pigeons Hsiang-Jung Tsai & C. Tseng
8:45	Electrophoretic approaches to identifying species and detecting population variation in <i>Eimeria</i> from chickens Wayne Woods, D. Richards, K. Whithear & R. Gasser		Impact of Astrovirus infection in commercial turkeys Daniel Karunakaran, S. Schultz-Cherry & D. Reynolds
9:00	Multiple micro-climates in a micro-climate of a cage layer house Radivoje Spasojevic		The role for a novel astrovirus in poult enteritis mortality syndrome Stacey Schultz-Cherry & Matthew Koci
9:15	Evaluation of a single handling/vaccination in broiler breeder pullets and its effect on broiler breeder performance and disease protection Ken Opengart		An unusual case of hemorrhagic enteritis virus infection in market-age turkeys H Shivaprasad, M. DeRosa, G. Cooper & A. Bickford
	Break 9:30 AM – 10:00 AM		Break 9:30 AM – 10:00 AM
	Moderator: Bruce Charlton		Moderator: H. Shivaprasad
10:00	A/chicken/Hong Kong/220/97 (H5N1) HPAIV: Pathogenicity and pathology in Pekin ducks Laura Perkins & D. Swayne		Hemagglutinin-esterase glycoprotein of turkey coronavirus: sequence, functions and immunogenicity Mary Pantin-Vera, T. Brown, M. Jackwood & S. Gharaibeh
10:10	Avian influenza viruses in non-migratory Maryland waterfowl Richard Slemons, W. Hansen, K. Converse & D. Senne		Studies of coronavirus positive turkey farms over time David Rives
10:30	Vaccination effects on prevention and control of avian influenza in broiler breeders and broilers Seyed Mirsalimi		Role of integrated reticuloendotheliosis virus in fowlpox virus pathogenesis Pratik Singh, W. Schitzlein & D. Tripathy
10:45	Assessing egg yolk antibody tests for determining status of influenza infection in chicken eggs and egg products David Swayne		Detection of specific reticuloendotheliosis virus (REV) nucleotide sequences and proteins in putatively REV-integrated fowl poxvirus (FPV) strains. Theodros Tadese & W. Reed
11:00	The role of interferon resistance of the nonstructural protein 1 of avian influenza David Suarez, N. Cauthen & D. Swayne		Role of A-type inclusion gene in the genome of fowlpox virus Deoki Tripathy, S. Viswanathan & W. Schnitzlein
11:15	Open space		The latency site for duck enteritis virus Samia Shawky & K. Schat
	Adjourn 11:30 AM		Adjourn 11:30 AM



AAAP/AVMA Poster Program
Convention Center, Ballroom A

- 1) **Genetic variability among chicken anemia viruses in Alabama broiler chicken clinical specimens**
Vicky van Santen, F. Hoerr & L. Lauerman
- 2) **Characterization of infectious bronchitis virus isolates collected in Russia**
Bochkov Yury, S. Lidia, D. Vladimir, B. Alexander, L. Alexander & G. Anatoly
- 3) **Determination of transcription sites for IBV S1 glycoprotein DNA vaccine**
Holly Moore, M. Jackwood, D. Kapczynski, D. Hilt, J. Stanton & C. Brown
- 4) **Nucleotide sequence comparison among field isolates IBDV**
Daral Jackwood & S. Sommer
- 5) **Sequence analysis of segment A polyprotein gene of infectious bursal disease viruses isolated in Korea**
Hyuk Moo Kwon, D. K. Kim & D. Jackwood
- 6) **Sequence analysis of the VP2 hypervariable region of vaccine strains and isolates of infectious bursal disease virus from Russia**
Scherbakova Lidia, B. Yury, D. Vladimir, B. Alexander & G. Anatoly
- 7) **Presence of IBDV viral proteins and genome**
Hung-Yueh Yeh & J. Sharma
- 8) **Modulation of Marek's disease virus infection rate and its effects on tumor formation and splenocyte profiles**
Lucia Garcia-Camacho & D. Bounous
- 9) **Marek's disease-associated encephalitis in commercial leghorn pullets**
James Davis, G. Rowland, & R. Witter
- 10) **Natural coinfection of a domestic chicken (*Gallus gallus domesticus*) with Marek's disease and toxoplasmosis**
Randall Ruble, H. Shivaprasad, P. Wakenell & K. Lam
- 11) **Molecular characterization of MHC haplotypes in broiler breeder chicken lines**
Emily Livant, D. Zheng, L. Johnson & S. Ewald
- 12) **Antigenic analysis of envelope glycoprotein of subgroup J avian leukosis virus**
Aijian Qin, L. Lee, Z. Cui & A. Fadly
- 13) **Comparison and verification of competitive reverse transcription polymerase chain reaction (C-RT-PCR) and real time RT-PCR for avian leukosis virus subgroup J**
Yong-Baek Kim, T. Brown, S. Gharaibeh, N. Stedman, M. Pantin & S. Gullicksen
- 14) **Studies of an avian adenovirus associated with hydropericardium syndrome**
Lobanov Vladislav, B. Vladimir, D. Vladimir & G. Anatoly
- 15) **Comparison of serological methods for the detection of antibody to Newcastle disease virus**
Chinta Lamichhane & L. Jerome
- 16) **Detection of infectious laryngotracheitis in formalin-fixed paraffin-embedded tissues by nested PCR**
Jennifer Humbred, M. Garcia, M. Goodwin & R. Resurreccion
- 17) ***In ovo* administration of fowl pox vaccines**
Alan Avakian, B. Singbeil & D. Grosse
- 18) **Epidemiology & host range of avian pneumovirus**
Kakambi Nagaraja, H. Shin & D. Halvorson
- 19) **Development of immunohistochemical test to detect avian pneumovirus**
Faris Jirjis, S. Noll, D. Halvorson, K. Nagaraja & D. Shaw
- 20) **Variation in turkey coronavirus genes amplified by polymerase chain reaction**
T.L. Lin, A. Akin & C. Wu
- 21) **Comparison of virus isolation, immunohistochemistry and reverse transcriptase polymerase chain reaction for detection of turkey coronavirus**
James Guy, J. Barnes & J. Breslin
- 22) **Microscopic diagnosis of enteropathogenic protozoa in turkeys**
H. John Barnes & D. Rives
- 23) **Interaction of stunting agent and bacteria in enteric disease**
Akbar Ali & D. Reynolds
- 24) **Detecting *Eimeria maxima* using the polymerase chain reaction**
Tim Cherry, J. McFarland & B. Clack



- 26) **Influence of a tiamulin treatment on detection of DNA-PCR from *Mycoplasma synoviae* infected layers**
Eliana Icochea, A. Saldana, A. Ramirez, N. Noe, R. Gonzales & S. Levisohn
- 27) **Application of polymerase chain reaction (PCR) and restriction fragment length polymorphism (RFLP) for identification of *Mycoplasma gallisepticum* strains from commercial poultry flocks**
Tongrui Liu, M. Garcia, D. Yogeve, S. Levisohn, V. Leiting & S. Kleven
- 28) **Field evaluation of *Mycoplasma gallisepticum* vaccines in broiler breeder chickens**
M. Saif, Edin, M. Aly & S. Mousa
- 29) **Isolation and identification of *Ornithobacterium rhinotracheale* from broiler chickens in Korea**
Jong-Ung Yoon, H-J. Kwon, D-W. Lee, Y-K. Ahn & S-J. Kim
- 30) **Persistence of a multiple drug resistance transposon, TN21 is due to its physical linkage to colicin plasmids and disinfectant resistance gene Merb in avian *Escherichia coli***
John Maurer, L. Dasher & C. Hudson
- 31) **C3b and MAC deposition on avian *Escherichia coli* isolates**
Lisa Nolan, C. Giddings, R. Wooley, S. Foley & S. Horne
- 32) **Retrospective study of myocarditis in turkey poults**
H. Shivaprasad, B. Charlton, C. Meteyer, R. Chin, P. Woolcock & R. Crepsio
- 33) **Effects of chicken interferon-gamma on T cell proliferation**
Hung-Yueh Yeh & J. Sharma
- 34) **Experimental *Cryptosporidium baileyi* infections in SPF chickens**
Hayet Abbassi & M. Naciri
- 35) ***Chlamydiosis* in pigeons and pet birds in upper Egypt**
M. Aly & S. Mousa
- 36) **Avian influenza infection in domestic and free-flying water fowls in Assiut province**
S. Mousa & M. Aly
- 37) **Reticuloendotheliosis in Hungarian partridge**
Darrell Trampel
- 38) **Epidemiological and immunological studies on avian paramyxovirus infection in pigeons**
M. Aly
- 39) **NAHMS layers '99: Survey of health and health management practices on U.S. table egg layer operations**
Martin Smeltzer & L. Garber
- 40) **Antimicrobial susceptibility testing: A 10 year summary**
W. Waltman, A. Horne, & K. Mullinax
- 41) **Antibiotic resistant bacteria in rendered products**
Charles Hofacre, J. Maurer, C. Morales, C. Lobsinger & C. Hudson
- 42) **Isolation of quinupristin-dalfopristin-resistant *Enterococcus faecium* from human stool specimens and chickens purchased from grocery stores in the United States: Use of virginiamycin may compromise new human antibiotic**
Shannon Rossiter, K. Joyce, B. Hill & N. Marano
- 43) **Gentamicin resistance in human *Salmonella* and enterococci isolates, and chicken enterococci isolates in the United States associated with frequent use of gentamicin in chickens**
Nina Marano, K. Stamey, B. Hill & F. Angulo
- 44) **Frequent isolation of fluoroquinolone-resistant *Campylobacter* from ill humans and chickens in grocery stores in the United States**
Shannon Rossiter, K. Stamey, K. Joyce & F. Angulo
- 45) **Quantitative assessment of disease risk using an audit-based biosecurity evaluation**
Dave Fernandez
- 46) **Investigation of the causes of downgrading carcasses due to breast lesions**
Mac Terzich
- 47) **Composting manure and carcasses: Strategies to contain pathogens and measure their survival**
J. Lloyd Spencer & R. Acorn
- 48) **Using ultraviolet light to improve hatchability and chick quality of broiler hatching eggs**
William Stanley, C. Hofacre & J. Smith
- 49) ***In Vitro* effect of EDTA-Tris and EDTA-Tris-SDS on the efficacy of hatchery disinfectants**
Richard Wooley, J. Sander, J. Maurer & P. Gibbs
- 50) **The effect of heat and 3-nitro on bone quality in heavy meat-type birds**
George Rowland, T. Foutz, A. Griffin & S. Halper
- 51) **Clinical application of carbon fiber for correction of shortening of tendons in some farm animals**
M. Nassef