

AAAP 2005 SPRING NEWSLETTER

AAAP Annual Meeting, July 17-20, 2005
Minneapolis, Minnesota

May, 2005

President's Message

Dear Colleagues:

My tenure as president of AAAP has gone by rather quickly. I thank all those who have contacted me and provided input and concerns regarding the AAAP. I also want to thank Dr. Hofacre and Ms. Sue Clanton for taking care of running the organization.

In an effort to determine how AAAP can better serve its members, the AAAP Board of Directors voted to develop a membership survey. We hope that you will take the time to complete it when it becomes available in the near future, thus becoming involved in the advancement of your organization.

As President, I have found that the AAAP's relationship with the American Veterinary Medical Association is vitally important to the health, and possibly success of our organization and the poultry industry. There are over 70,000 AVMA members, whereas there are roughly 1,000 AAAP members. AVMA's support on issues that affect us and the poultry industry, such as animal welfare, is extremely valuable.

Having said that, it was disheartening to hear in November 2004, that the AVMA Executive Board voted to sunset the AVMA Animal Welfare Committee, on which the AAAP has a representative. The AVMA proposed changes that would have eliminated representation by allied organizations, including AAAP, within the newly proposed Animal Welfare Advisory Committee (AWAC). At the AVMA Leadership Conference and House of Delegates Information Assembly, the allied organizations met to discuss this change. It was a pleasure to see how the allied organizations, including those representing bovine, equine, feline, poultry, swine, lab animals and small animal practitioners, came together to oppose this change.

A committee was formed, chaired by Dr. Mo Saif, which developed a plan, using the AVMA constitution and by-laws, to ensure allied organization representation within AVMA on animal welfare committees. In the end, in April 2005, the AVMA Executive Board voted to not sunset the current AVMA Animal Welfare Committee and to postpone activation of the AWAC, thus assuring AAAP's representation on animal welfare committees. We all owe Dr. Saif our sincere gratitude for his efforts on behalf of the AAAP.

Feel free to contact me if you have any comments regarding the AAAP and how it might better serve you and your profession. I hope to see you at our annual meeting in Minneapolis in July.



Richard P. Chin
President, American Association of Avian Pathologists

Intervet Welcome Reception for AAAP — July 16, 2005

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Special points of interest:

- Welcome Reception—Sat., July 16th
- Awards Luncheon—Mon., July 18th
- AAAP Symposium Agenda
- AAAP Scientific Program



Dear AAAP Colleagues,

Well Sue and I are rapidly approaching the end of the second year of our tenure as custodians of your organization. We are pleased to inform you that we have achieved several milestones in our effort to streamline the operation of the AAAP and hopefully better serve you. We now have all of you in a new membership database that allows us to better understand each of your needs for the organization. We also have the organization's finances on a financial management program that makes the daily business of AAAP smoother and gives our accountants easier access to our financial statements so they can better assist us in managing your organization. As always, the AAAP board meetings are open to all members. Please come by anytime. We will be meeting July 15th & 16th from 8:00 am-5:00 pm and July 20th from 7:30 am-Noon in the Hyatt Lake Nokomis room.

I have one big change to the annual meeting that I want to inform you about ahead of the meeting in Minneapolis. As you all are aware, the poultry industry and the allied industry have undergone a tremendous consolidation in the past 10 years. This has resulted in less companies to donate to our annual meeting and with tighter budgets, less money to donate from this smaller pool of companies.

The annual cost to AAAP for us to hold our meeting is approximately \$25,000-30,000. This does not include the approximately \$50,000 that AVMA gives us each year in meeting rooms, A.V. services, etc. This \$25,000-30,000 that AAAP spends each year must be raised by 1 or 2 members willing to, at times, literally beg the poultry companies/allied industry companies to donate for this money. Last July, the board agreed that we should try to decrease our cost of the annual meeting without hurting the science or continuing education. **It was agreed to discontinue providing the continental breakfast.** We know that you have come to expect this each morning but it has become increasingly expensive at more than \$25.00 per dozen for donuts or bagels. We will still have coffee, tea, sodas, and juice but will discontinue the breakfast food.

We are looking forward to another outstanding program in Minneapolis and I want to thank John Glisson, Gregorio Rosales, and Buzz Klopp for their hard work with the program and symposium.

Don't forget the 2nd annual welcome reception sponsored again by your friends at Intervet. It will be held on Saturday, July 16th in the Hyatt Nicollet A from 6:30 pm to 10:00 pm.

See you in Minneapolis,



Chuck Hofacre

Special Thanks to Foundation Donors –

I want to thank every one of you who made a donation to the AAAP foundation this past year. The foundation is the future of AAAP. It is our way of insuring that AAAP will continue to grow and remain financially healthy for years to come. I want to especially thank Drs. Calnek, Smith, Spencer, and Russell along with Ms. Schwartz and Ms. Rimler for their continued high level of support.

If you would like to attend the foundation board meeting, please do not hesitate to come by Lake Nokomis room in the Hyatt Regency hotel on Saturday, July 16th from 1:00-5:00 pm.

Sincerely,



Robert L. Owen
AAAP Foundation Board Chair

Special Notice

Change to AAAP By-Laws

When Sue and I took over the reins of AAAP, we looked at trying to streamline the operation of the AAAP. We thought that electronic nominating and voting for your representatives on the AAAP Board would be a more rapid and efficient way to do this as well as save money on postage.

Well, when our by-laws were written nearly 50 years ago, the internet was not even a word in our vocabulary. If you take a moment to look at the by-laws in the back of your AAAP member directory, you will see that the process for amendments is well defined under Article VII.

Dr. Fred Hoerr and 2 other members in good standing drafted last year the proposed amendment to our by-laws you find here. The AAAP board approved the changes and now we are allowing you to review this draft amendment.

Please review it and forward any comments to Sue or me before July, especially if you will not be at the annual meeting which will be held on Tuesday, July 19th in Room A at the Hyatt Regency. We will be discussing these changes at this annual meeting and then in August, you will receive **in the mail** a ballot to adopt this proposed amendment to the AAAP by-laws.

Sincerely,

A handwritten signature in cursive script that reads "Chuck".

Chuck Hofacre
Secretary-Treasurer

An Invitation from the Editor of *Avian Diseases*

Dr. Jagdev M. Sharma



You are invited to submit copies of your original art work including color paintings and photographs to the Editor for possible display on the cover of *Avian Diseases*. The art work should be relevant to the general theme of the journal. Submissions will be reviewed by a committee. Each selected piece will be printed on the cover of a future issue of the journal. A short biography on the artists will be included.

The March issue of *Avian diseases*, Volume 49, Issue 1, is a major face-lift---the first in the journal's history. The new larger cover size provides an opportunity to print portraits, scientific illustrations from featured articles or art work voluntarily submitted by readers.

Please send your art work by e-mail at avian.diseases@umn.edu or mail to *Avian Diseases* Office, College of Veterinary Medicine, University of Minnesota, 1971 Commonwealth Avenue, St. Paul, Minnesota 55108

Jagdev Sharma

2005 AAAP SCIENTIFIC PROGRAM

We have a great program planned for this summer in Minneapolis. The Symposium on "Microbiological Safety of Ready to Cook and Ready to Eat Poultry Products" will be held on Sunday, July 17th. Symposium chairman Dr. Buzz Klopp, and his committee have put together a very interesting and practical program. The scientific program will begin Monday morning and conclude Wednesday at noon.

Building on a new tradition, we have planned a welcome reception at the Hyatt at 6:00 Saturday evening. We are grateful to Intervet for their continued sponsorship of this event. We will begin the program Monday morning at 8:00 with our Keynote Address. Dr. Fred Hoerr will discuss, "Clinical Aspects of Immunosuppression." Tuesday morning at 10:00, Mr. Andy Rhorer will present the Lasher History Lecture titled, "History of the National Poultry Improvement Plan."

This should be a great venue for our meeting. The hotel and convention facilities are very nice and there are many interesting things to see and do in the Twin Cities area.

I hope to see you there.

John R. Glisson
AAAP Program Chair





May, 2005

Dear AAAP Member:

Intervet Inc. is proud and honored once again, in conjunction with the AAAP, to sponsor the Welcome Reception at the 28th World Veterinary Congress /142nd AVMA Annual Convention in Minneapolis, Minnesota.

The AAAP Welcome Reception will be held:

Hyatt Regency Minneapolis Hotel

Nicollet Ballroom

Saturday July 16, 2005

6:00 p.m. – 10:00 p.m.

By now you should have received an invitation under separate cover. Please R.S.V.P. at your earliest convenience and return the postage paid card in the mail.

We look forward to seeing you in Minneapolis.

Best regards,

A handwritten signature in blue ink, appearing to read "Garnet O'Marrow".

Garnet O'Marrow
Group Sales Manager
Poultry

GO'M/pf

AAAP Special Event Award Luncheon

Please indicate total number of tickets needed for this event.

AAAP Awards Luncheon

Monday, July 18th, Noon-2:00 pm _____ tickets for a chicken lunch +
_____ tickets for a turkey lunch +
_____ tickets for a vegetarian lunch +
_____ **total tickets at \$25/ticket for a total of \$**_____

Payment:

A credit card (American Express, MasterCard, or Visa) guarantee or an enclosed check for the total, made payable to the American Association of Avian Pathologists, is required.

: Check enclosed payable in US dollars to the **American Association of Avian Pathologists**

American Express : Mastercard : Visa

Credit Card Number Customer code (3 digits on back of card)

Expiration Date (must be valid through July 2005)

Signature of person

Cardholder's Name Printed

Tickets will be mailed to you upon receipt of your payment.

Contact Name Printed

Company

Address

Address2

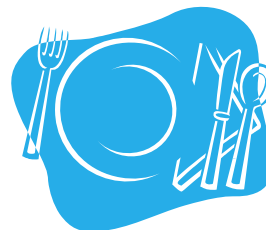
City/State/Zip

Country

Telephone (if outside US, include country & city code)

Fax

E-mail _____



**Return form with payment on or before June 27th
by one of the following methods:**

Mail: AAAP
 953 College Station Road;
 Athens, GA 30602-4875
Fax: 706-542-0249
E-mail: AAAP@uga.edu



House of Delegates—

Y. M. Saif and Gregg Cutler

Animal Agriculture Liaison Committee—

Eric Gingerich

Animal Welfare Committee—

Gregg Cutler

Clinical Practitioners Advisory Committee—

Dennis Wages and Karen Burns

Convention Management & Program Committee—

Poultry Medicine Section Manager—

John Glisson

Committee on Environmental Issues—

Billy Hargis

Food Safety Advisory Committee—

Elizabeth Krushinskie

Steering Committee on Antimicrobial Resistance—

Tim Cummings

Legislative Advisory Committee—

Charles Hofacre and Y. M. Saif

Political Action Committee Policy Board—

Don Waldrip

USDA Secretary's Advisory Committee for Foreign Animal and Poultry Diseases—

Robert Eckroade

FDA Veterinary Medicine Advisory Committee—

Eric Gonder

Council for Agricultural Science and Technology—

Steven Clark

National Institute of Animal Agriculture—

Andrea Miles

Professional Animal Auditor Certification Organization—

Eric Gingerich—4 yr term

Marion Garcia—3 yr term

Steve McCarter—2 yr term

U.S. Animal Health Association

John Smith, Chair, Diseases of Poultry Committee

American Association of Avian Pathologists (Hyatt Regency Minneapolis)

Friday, July 15

7:00am – 5:00pm	AAAP Board of Directors	Lake Nokomis
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Saturday, July 16

7:00am – 5:00pm	AAAP Board of Directors	Lake Nokomis
8:00am – 5:00pm	Association of Veterinarians in Broiler Production	Lake Superior A
9:00am – 3:00pm	AAAP Prevention and Control of Avian Influenza in the US CAP Project	Greenway G
6:30pm – 10:00pm	AAAP/Intervet Reception	Nicollet A/B

Sunday, July 17

7:00am – 9:00am	Animal Welfare and Management Committee	Skyway Suite A/B
7:00am – 8:00am	Awards Committee	Grant Room
7:30am – 8:30am	Georgia MAM Alumni Group	Nicollet A3
Noon – 1:30pm	California Poultry Medicine Alumni Luncheon	Lake Calhoun
12:45pm – 1:30pm	Avian Disease Manual Editorial Board	Prior Lake
1:30pm – 7:00pm	Diseases of Poultry Editorial Committee	Prior Lake
7:00pm-10:00pm	North Carolina State University Poultry Health Management Reception & Dinner	Greenway G

Monday, July 18

7:00am – 8:00am	Avian Diseases Editorial Board	Lake Superior A
7:00am – 8:00am	Eskelund Preceptorship Committee	Lake of the Isles
7:00am – 8:00am	Toxic, Infectious, Miscellaneous and Emerging Diseases Committee	Grant Room
7:00am – 9:00am	History Committee	Cedar Lake
7:00am – 9:00am	Associations of Veterinarians in Egg Production	Regency Room
Noon – 2:00pm	AAAP Awards Luncheon	Nicollet A
5:00pm – 6:30pm	AVMA Liaison Committee	Lake of the Isles
5:00pm – 6:30pm	Electronic Information Committee	Lake Calhoun
5:00pm – 6:30pm	Enteric Diseases Committee	Lake Nokomis
5:00pm – 7:00pm	Isolation and Identification Manual Committee	Cedar Lake
5:00pm – 7:00pm	Primary Breeder Veterinarians Meeting	Lake Minnetonka
6:00pm – 7:00pm	Tumor Virus Committee	Lake Superior B
6:00pm – 7:00pm	Education Committee	Grant Room
6:30pm – 8:30pm	Histopathology/Case Report Interest Group	Greenway J

Tuesday, July 19

7:00am – 8:00am	Biotechnology Committee	Greenway A/B
7:00am – 9:00am	ACPV Reception and Annual Meeting	Nicollet A
Noon – 1:00pm	Epidemiology Committee	Lake Calhoun
Noon – 1:00pm	Drugs and Therapeutics Committee	Grant Room
5:30pm – 7:00pm	Respiratory Diseases Committee	Regency Room

Wednesday, July 20

7:00am – Noon	AAAP Board of Directors	Lake Nokomis
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SYMPOSIUM PROGRAM

JULY 17, 2005

Session I. The Different Perspectives on Food Safety

Moderator: Dr. Birch McMurray

8:00 – 8:05	Dr. Spangler Klopp	Intro and welcome from Committee
8:05 – 8:20	Dr. Barbara Masters	FSIS Overview of Poultry Initiatives and Operations
8:20 – 8:35	Dr. Scott Gillingham	Role of the Veterinarian in Communication of Food Safety Issues to the Consumer
8:35 – 8:50	Mr. Bob Thrash	Independent Auditor's Perspective on the Domestic Market
8:50 – 9:05	Dr. Mark Lobstein	International Situation and its Ramifications
9:05 – 9:35	Dr. Elizabeth Krushinskie	Overview of Raw and Cooked Foods of Poultry Ori- gin
9:35 – 9:45	Questions to Speaker Panel	

9:45 – 10:15 BREAK

Session II. Interaction of Live Production and Food Borne Pathogens

Moderator: Dr. Dave Hermes

10:15 – 10:30	Dr. Greg Rosales	Reduction of Risk in the Primary Breeder Production System
10:30 – 10:45	Dr. Marshall Putnam	Reduction of Risk in the Integrated Broiler Production System
10:45 – 11:00	Dr. Eric Gonder	Reduction of Risk in the Turkey Production System in- cluding Breeder and Hatchery Operations
11:00 – 11:20	Dr. Eric Gingerich	Reduction of Risk in the Commercial Layer Production System including Breeder/Hatchery and Egg Processing Operations
11:20 – 11:30	Questions to Speaker Panel	

11:30 – 1:00 LUNCH

SYMPOSIUM PROGRAM

JULY 17, 2005

Session III. Role of Processing in Control of Foodborne Pathogens Including Research Initiatives

Moderator: Dr. Marty Ewing

1:00—1:15	Dr. Ken Petersen	FSIS Perspective on HACCP and Current Status of Food Safety
1:15—1:45	Mr. Dan Pearson	International Perspective on Broilers and Turkeys
1:45—2:00	Dr. Bruce Stewart-Brown	Industry Perspective in Broilers and Turkeys
2:00—2:15	Dr. David Dreesen	Industry Perspective on HACCP and Current Status of Food Safety
2:15—2:25	Questions to Speaker Panel	

2:25—2:45 BREAK

Session IV. Role of Further Processing in Control of Foodborne Pathogens

Moderator: Dr. Bruce Charlton

2:45—3:00	Dr. Alice Johnson	Overview and Impact of FSIS Rule on Listeria
3:00—3:15	Dr. Payton Pruett	Role of the Formulation of Poultry Food Products
3:15—3:30	Mr. Ken Rutledge	Role of Facility Design in Microbial Process Control
3:30—3:45	Dr. Mike Benson	Post Packaging Lethality Treatments in Poultry (Broiler, Turkey, Egg)
3:45—3:55	Questions to Speaker Panel	

Session V. Programs and Issues

Moderator: Dr. Barry Kelly

3:55—4:25	Dr. Tony Cox	Approaches to Antimicrobial Risk Analysis in Food Safety Decision Making in Poultry Medicine
4:25—4:55	Dr. Jill Hollingsworth	Retail Perspective of the Domestic Market Relative to Food Safety
4:55-5:00	Dr. Spangler Klopp	Wrap Up of Symposium

5:00 ADJOURN



Monday, July 18, 2005 – Morning Program		
	Session A –	Session B –
	Moderator: Dr. John Glisson	
8:00 AM	Keynote Speaker: Dr. Frederic J. Hoerr Room A "Clinical Aspects of Immunosuppression"	
	Moderator: Dr. Linnea Newman	Moderator: Dr. Jack King
8:30 AM	Poultry Genetics, Health and Welfare: Primary Breeding for the Future... Gustin, Scott J., Leonard W. Fussell, and Roy P. Mutimer	Recombinant Fowlpox and Inactivated Avian Influenza Vaccines Induced Protection Against Asian H5N1 Highly Pathogenic Avian Influenza in Poultry Swayne, David E., Joan R. Beck, Michel Bublot, Nikki Pritchard, and Julio Cruz
8:45 AM	Impact of Genetic Selection Strategies on the Performance, Health and Welfare of Commercial Breeders and Broilers Rosales, A. Gregorio, Derek Emerson, Barry H. Thorp, and James C. McKay	Molecular Evolution of H1N1 Influenza Viruses in the US Poultry: Implications for Molecular Diagnostics and Better Vaccine Strain Selection Jadhao, Samadhan, Dennis Senne, and David L. Suarez
9:00 AM	The Impact of Seven-day Mortality on Various Components of the Broiler Profit Equation Tierce, John F., Greg Rennie, and Lloyd Keck	Protective Effect of DNA Vaccines Encoding Low Pathogenic H9N2 Avian Influenza Virus Genes fused with T-helper Cell Epitope of Newcastle Disease virus in SPF Chickens Challenged with Homologous Avian Influenza Virus Kwon, Jisun, Hyunjeong Lee, Yongho Hong, and Changseon Song
9:15 AM	Effect of Embryonic Incubation Environment on Immunocompetency of Commercial Broilers McElroy, Audrey, Michael Hulet, David J. Caldwell, and Bob Gogal	Differentiation of Infected from Vaccinated Animals (DIVA) using Recombinant Fowlpox-H5-Avian-Influenza Vaccine and Existing Serological Tests Avellaneda, Gloria, Nikki Pritchard, Julio Cruz, Michel Bublot, Joan R. Beck, and David E. Swayne
	Break 9:30 AM – 10:00AM	Break 9:30 AM – 10:00AM
	Moderator: Dr. Linnea Newman	Moderator: Dr. Jack King
10:00 AM	Incubation Effects on Chick Quality Meijerhof, Ron	Efficacy of Avian Influenza-Fowl Pox Vaccines, Live Fowl Pox Vector, H7 Subtype, Experimental Products Administered to One-Day-Old SPF Chickens Cruz-Coy, Julio S., Nikki Pritchard, Joan R. Beck, David E. Swayne, and Michel Bublot
10:15 AM	Measurement of Stress in Broilers Thaxton, J. Paul, Martha Ewing, John Rice, and Philip Stayer	Role of Antibodies to the Neuraminidase Protein in Protection for Avian influenza Suarez, David L.
10:30 AM	Evaluation of Broiler Mobility Ewing, Martha, John Rice, Philip Stayer, Bruce Webster, and Tim Cummings	Detection of avian influenza virus by embryo inoculation or PCR Lucio-Martinez, Benjamin, Sung G. Kim and Susan C. Trock
10:45 AM	Welfare Aspects of Controlled Atmosphere Stunning Webster, A. Bruce	Unusual Characteristics of Highly Pathogenic Avian Influenza Viruses of North American Lineage Senne, D.A., D.L. Suarez, J.C. Pedersen, and B. Panigraphy
11:00 AM	Customer Expectations for Animal Welfare Pfalzgraf, Kellye	Characterization of Avian Influenza Virus Variants with Different Sizes of the Non-Structural (NS) Genes Lee, Chang-Won and David L. Suarez
11:15 AM	Animal Welfare Audits Ewing, H. Pettit and Robert Thrash	Characteristics of 2004 Low Path H7N2 Avian Influenza Viruses from the Delmarva Peninsula in Broiler and Leghorn Chickens and Turkeys Gelb, Jr., Jack, Sandra Cloud, Brian Ladman, Kristi Moore, Conrad Pope, and John Rosenberger
AAAP Awards Luncheon 11:30 – 2:00 PM		

2005 AAAP SCIENTIFIC PROGRAM

Monday, July 18, 2005 – Afternoon Program		
	Session A –	Session B –
	Moderator: Dr. Gregorio Rosales	Moderator: Dr. David Swayne
2:00 PM	Implementation of Programs to Address Customer Expectations Pfalzgraf, Kellye	Novel Diagnostic Tests for the Surveillance of Avian Influenza Lamichhane, Chinta M., Emily Yeh, Eric Deshaies, and Ron Sanders
2:15 PM	Animal Welfare from a Commercial Layer Production Perspective Nezworski, Jill	Investigation of an Outbreak of Avian Influenza Subtype H2N2 in Two Commercial Layer Premises in Pennsylvania (2004) Henzler, David J. and Huguang Lu
2:30 PM	Competing Demands for ammonia Management in Poultry Production Marsh Johnson, Trisha	Transmission of Low Pathogenicity Avian Influenza Virus (H6N2) Woolcock, Peter R., Carol J. Cardona, and Jinling Li
	Break 2:45 PM – 3:00PM	Break 2:45 PM – 3:00PM
	Moderator: Dr. Gregorio Rosales	Moderator: Dr. David Swayne
3:00 PM	The Difference in Disease Incidence depending on Dead Bird Disposal Methods (Rendering Versus Incinerator) Valliancourt, Jean-Pierre, David Rives, and Shannon Jennings	Identification of Key Human Activities and their Role in a Quantitative Risk Assessment Model for Highly Pathogenic Avian Influenza Vieira, Antonio, Dana Cole, Charles Hofacre, and Lee Myers
3:15 PM	The Role of Cooperative Extension in an Emergency Poultry Disease Outbreak: A Real Life Experience Tablante, Nathaniel L. and Lewis E. Carr	Surveillance and Epidemiology for Avian Influenza in the New York Live Bird Markets Trock, Susan C., Sung G. Kim, Michelle Gaeta, and Lisa Weisse
3:30 PM	Interesting Cases from the Poultry Diagnostic Laboratory Linares, Jose A.	Use of Multiplex RT-PCR to differentiate Lentogenic NDV from END Sellers, Holly S., Erich G. Linnemann, and Darrell R. Kapczynski
3:45 PM	Broiler Breeder Disease Incidence for Alabama, a 10-Year Survey Van Sambeek, Francene	Contrasting Results from Molecular and Biological Pathogenicity Assays of Newcastle Disease Virus Isolate Iowa 1519 King, Daniel J., Darrell R. Kapczynski, Claudio L. Afonso, and Andrea Placenti
4:00 PM	Growth Promoter Antibiotic Feed Additives Impact on Seven Day-Old Broiler Mortality and Early Life Performance Davis, Stephen W. Davis	REED RUMSEY AWARD: Reverse Genetics of Avian Metapneumovirus Subgroup C: Potential for Vaccine Development and Basic Studies Govindarajan, Dhanasekaran and Siba K. Samal
4:15 PM	A Field Investigation of the Total Tissue Arsenic Content of Turkeys Medicated with or without Nitarstone (Histostat®) Clark, Steven R. and James Skinner	RICHARD RIMLER MEMORIAL PAPER: Efficacy Trials of a Novel Avian Metapneumovirus Vaccine Bennett, Richard S.
4:30 PM	Ionophore Myopathy in Chickens Fitzgerald, Scott D.	Experimental Infection of SPF Laying Turkeys with Avian Pneumovirus Subtype C: Possible Role of Vertical Transmission Kapczynski, Darrell R.
4:45 PM	Assessing the Effect of Light Intensity on the Eyes and Behavior of Broilers Cummings, Timothy S., Philip A. Stayer, and Marty Ewing	The Role of Cell Mediated Immunity in Avian Pneumovirus (APV) Infection of Turkeys Liman, Martin M.R. and Silke Rautenschlein
5:00 PM	Adjourn	Adjourn

2005 AAAP SCIENTIFIC PROGRAM

Tuesday, July 19, 2005 – Morning Program		
	Session A –	Session B –
	Moderator: Dr. Tim Cummings	Moderator: Dr. Margie Lee
8:00 AM	Control of Cellulitis in Commercial Turkeys Karunakaran, Daniel	A Subunit Vaccine for Controlling <i>Salmonella enteritidis</i> in Chickens Straub, Darren E., Daryl A. Emery, Jim D. Sandstrom, Larry M. Slinden, and Doug T. Burkhardt
8:15 AM	Effect of Organic Selenium on Broiler Chicken Feathering, Skin Strength, and Cellulitis Prevalence Boulianne, Martine and Ghislaine Roch	The Relationship Between Intestinal Persistence and Egg Contamination for Strains of <i>Salmonella enteritidis</i> and <i>S. Heidelberg</i> Gast, Richard K., Jean Guard-Bouldin, and Peter S. Holt
8:30 AM	Brown Discoloration of Processed Broiler Carcasses Lockaby, Susan B. and Frederic J. Hoerr	Use of Real-Time PCR for Monitoring <i>Salmonella</i> Muñoz, R. and P. Tyrrell
8:45 AM	Attempts to Develop a Predictable Model for Gangrenous Dermatitis in Broilers Collett, Stephen R., John R. Glisson, Charles L. Hofacre, and Stephan G. Thayer	Distribution of Fimbrial, Phage and Plasmid Associated Virulence Genes among Poultry <i>Salmonella enterica</i> Serovars Maurer, John J., Rachel Whitaker, Charles L. Hofacre, Margie D. Lee, and Marie Maier
9:00 AM	Acute Hemorrhagic Enteritis and Necrotizing Hepatitis in Two Day-Old Broilers due to a <i>Clostridium perfringens</i> Contaminated Animal Byproduct Feed Ingredient Davis, Stephen W.	Development and Evaluation of a Recombinant Strain based on the SefABCD Fimbrial Operon against <i>Salmonella enterica</i> Serovar Enteritidis in Chickens Lopes, Vanessa C., Binu T. Velayudham, Douglas N. Foster, David A. Halvorson, and Kakambi V. Nagaraja
9:15 AM	Clinical Investigation of a Runting and Stunting Syndrome in Georgia Zavala, Guillermo, Holly Sellers, and Louise Dufour-Zavala	Experimental <i>Campylobacter</i> Infection in Immunosuppressed and Normal Broilers Dhillon, A. Singh, H.L. Shivaprasad, Dennis M. Schaberg, Fonda Wier, Daina V. Bandli, and Sylvia K. Weber
	Break 9:30 AM – 10:00AM	Break 9:30 AM – 10:00AM
	Moderator: Dr. John Glisson	
	Lasher History Lecture: 10:00 – 10:30 AM Room A Mr. Andrew Rhorer "History of the National Poultry Improvement Plan"	
	AAAP Business Meeting Room A 10:30 – 12:00 noon	
	Lunch 12:00 noon – 1:00 PM	

Tuesday, July 19, 2005 – Afternoon Program		
	Session A –	Session B –
	Moderator: Dr. Stephen W. Davis	Moderator: Dr. Bruce Stewart-Brown
1:00 PM	Turkey and Chicken Coccidiosis Control with the Feed Additive Amprolium Mathis, Greg F. and Hector Cervantes	Novel Clostridia that Colonize the Small Intestine of Young Broilers Lee, Margie D., Charles L. Hofacre, and Jingrang Lu
1:15 PM	High Fecal Oocyst Counts of <i>E. maxima</i> Associated with Non-Specific Enteritis and Necrotic Enteritis in Broilers Ruano, Miguel, Bruce Stewart-Brown, Douglas K. Marvil, and Henry M. Engster	Comparison of Competitive Exclusion Products on the Level of Tetracycline Resistant Coliforms in the Broiler Chicken Environment Sinclair, Andrea J., Stephen R. Collett, and Margie D. Lee
1:30 PM	Comparative Pathology of <i>Eimeria acervulina</i> and <i>E. mivati</i> of the Chicken Fitz-Coy, Steve H. and Richard Phillips	Influence of Nitric Oxide Production on Marek's Disease in Broiler Breeder Lines Schat, Karel A., Priscilla H. O'Connell, Celina Buscaglia, Keith W. Jarosinski, and Igal Pevzner
1:45 PM	The Pathogenesis and Treatment of <i>Hexamita meleagridis</i> Infection in Turkeys Bermudez, Alex J., Paula Butkeraitis, and Yvette M. Broomhead	Gene Deletion Mutants of Marek's Disease Virus: The Next Generation of Recombinant Vaccines? Lee, Lucy F., Robert Silva, Mohammad Heidari, Sanjay Reddy
2:00 PM	Blackhead Treatment in Broiler Breeder Pullets Rings, Bret and Travis Glenn	Virus-induced Avian Atherosclerosis: past and future Fabricant, Julius
2:15 PM	Transmission of Blackhead Disease in Chickens McDougald, L.R., J. Hu, L. Fuller, and P. Armstrong	
	Break 2:30 PM – 3:00PM	Break 2:45 PM – 3:00PM
	Moderator: Dr. Greg Mathis	Moderator: Dr. Ton Schat
3:00 PM	Protective Immunity Against <i>Eimeria acervulina</i> following in ovo Immunization with a Recombinant Subunit Vaccine and Cytokine Genes Lillehoj, Hyun S., Xicheng Ding, M.A. Quiroz, E. Berensee, and Rami Dalloul	Pathotyping of Russian Isolates of Marek's Disease Virus Dudnikova, E.K., Svetlana N. Norkina, Anatoly N. Vlasov, Anna Y. Slobodchuk, and Richard L. Witter
3:15 PM	Safety, Efficacy and Performance of a Live Coccidiosis Vaccine Doelling, Vivian W., Cheryl L. Heggen-Peay, Greg R. Mathis, Alison Martin, Larry M. Charniga, and Rebecca M. Poston	Biological Characterization of a Mutant Marek's Disease Virus lacking the UL41 Gene (rMd UL41) Gimeno, Isabel M. and Robert F. Silva
3:30 PM	Comparison of Safety and Efficacy of an <i>in ovo</i> Coccidiosis Vaccine Between Different Breeds of Commercial Broilers Heggen-Peay, Cheryl L., Rebecca M. Poston, Alison G. Martin, Jim E. Hutchins, Heather E. Boyette, and Vivian W. Doelling	Comparison of Two Ostensibly Identical Recombinant MHC Haplotypes in Fully Congenic Lines in Their Response to Challenge with vvMD Wakenell, Patricia, Marcia Miller, and Robert Taylor
3:45 PM	Chicken Anemia Virus (CAV) Types from Vaccinated and Unvaccinated Commercial Broiler Flocks: Characterization and Comparison Sommer, Franz, Bruce W. Charlton, and Carol J. Cardona	Molecular Characterization of the Marek's Disease Virus vhs Gene (UL41) Silva, Robert F. and Isabel M. Gimeno
4:00 PM	Transmissible Viral Proventriculitis in North Carolina Broiler Chickens Monleon, R., Matilde Alfonso, John Radu, James S. Guy, and H. John Barnes	Functional Characterization of MDV CVI988 Meq Protein using a Retrovirus Expression System Ajithdoss, Dharani K., Sanjay M. Reddy, and Blanca Lupiani
4:15 PM	Characterization of a Novel Adenovirus Associated as the Cause of Transmissible Viral Proventriculitis of Broiler Chickens Guy, James S., John Barnes, and Lynda Smith	The Physiology of <i>in ovo</i> Vaccination Williams, Christopher J.
4:30 PM	Evaluation of the Use of a Commercial <i>Pasteurella multocida</i> Vaccine administered by the Drinking Water in Broiler Breeder Pullets Bruzual, Jose J., Andrea Sinclair, John Glisson, and Charles Hofacre	Detection of Avian Respiratory RNA Viruses by Multiplex RT-PCR Lu, Huaguang, Zhigin Xie, and Lin Lin
4:45 PM	The Interaction Between <i>E. coli</i> and Newcastle Disease Virus in Chickens Eltayeb, Amna B. and Robert P. Hanson	Disease and Lesions in the Nervous System Julian, Richard J.
5:00 PM	Adjourn	Adjourn

Wednesday, July 20, 2005 – Morning Program		
	Session A –	Session B –
	Moderator: Dr. Oscar Fletcher	Moderator: Dr. Pedro Villegas
8:00 AM	Plasmids in APEC Virulence and Antimicrobial Resistance: An Overview Nolan, Lisa K., Timothy J. Johnson, Kylie E. Siek, and Jerod A. Skyberg	Functional Characterization and Phylogenetic Comparison of the Chicken Toll-like Receptor 7 Kapczynski, Darrell R., Victoria J. Philbin, Adrian L. Smith, and Peter S. Holt
8:15 AM	Biofilm Formation on Plastic Surfaces by <i>Escherichia coli</i> Isolated from Sick and Healthy Poultry Skyberg, Jerod A., Kylie E. Siek, Curt Koetkott, and Lisa K. Nolan	Intestine Organ Culture Passaged Infectious Bronchitis Virus Strains: Effect on Specific Pathogen Free Chickens Alvarado, Ivan, and Pedro Villegas
8:30 AM	Application of Real Time-PCR in the Diagnosis of Infectious Laryngotracheitis during an Outbreak of the Disease Oldoni, Ivomar, Sylva Riblet, Kelli Jones, Scott Callison, Guillermo Zavala, and Maricarmen García	Development of a Lateral-flow Immunoassay for the Detection of IBV Antigen El-Attrache, John and Jaime Thurk
8:45 AM	Genotyping Infectious Laryngotracheitis Virus by Multiple Gene Sequencing García, Maricarmen, Sylva M. Riblet, Ivomar Oldoni, and Shulei Sun	Efficiency of Recombinant IBV DNA Vaccine in ovo with Interferon Enhancement Khan, Mazhar I. And Jaroslaw J. Fabis
9:00 AM	Characterization of a Glycoprotein C Mutant of Infectious laryngotracheitis Keeler, Jr., Calvin L., William M. Schnitzlein, Andrew E. Shaffer, Deoki N. Tripathy	Effect of Viremia and Antibody Status on Tumor Incidence, Tumor Spectrum, and Viral Distribution in Different Tissues of ALV-J Infected Meat Type Chickens Pandiri, Arun Kumar R., Willie M. Reed, and Aly M. Fadly
9:15 AM	Quantitative Profile of <i>Mycoplasma gallisepticum</i> Interaction with the Chicken Tracheal Mucosa in Vaccine Strains and Field Isolates Levisohn, Sharon, Inna Lysnyansky, Shmuel Perl, and David Yogev	Evaluation of Response of a New Experimental Line of Chickens (line 0-1) to Avian Leukosis Virus Infection Mays, Jody K., Henry Hunt, Arun Pandiri, Larry Bacon, and Aly Fadly
	Break 9:30 AM – 10:00AM	Break 9:30 AM – 10:00AM
	Moderator: Dr. Stan Kleven	Moderator: Dr. Y.M. Saif
10:00 AM	The Interference of a Non-Pathogenic Avian <i>Mycoplasma</i> Species with <i>Mycoplasma gallisepticum</i> (MG) Infection and Diagnosis Ferguson, Naola M., Victoria A. Leiting, Ziv Raviv, Ruth S. Wooten, and Stanley H. Kleven	Comparative Evaluation of the Pathogenicity of an Extraneous Subgroup A Avian Leukosis Virus Isolated from Commercial Marek's Disease Vaccines Fadly, Aly M., Carolyn A. Davis, Jody K. Mays, and Arun R. Pandiri
10:15 AM	Case Report: <i>Mycoplasma gallisepticum</i> Infection in Red and Gold Pheasants Kelly, Donna J.	The Emergence of New-type IBD Viruses in the United States and Comparisons to Delaware E in Vaccination/challenge Studies Cookson, Kalen, Daral Jackwood, and Joe Giambrone
10:30 AM	Epidemiological Incidence of Field Strains of <i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i> isolated from Broiler Breeders and Broilers in Colombia Moscoso, Hugo, Jaime A. Ruiz, Ivan R. Alvarado, John R. Glisson, and Charles Hofacre	Evaluation of the Protection Conferred by Coarse Spray Vaccination against Infectious Bursal Disease in Commercial Broilers Banda, Alejandro, Pedro Villegas, and Francisco Perozo
10:45 AM	<i>Mycoplasma synoviae</i> Control in Multi-Aged Broiler Breeder Farms using Antibiotics Therapy: Case Report Hong Young-ho, Jisun Kwon, Hyunjeong Lee, and Changseon Song	Two Bursal, B-cell Subpopulations with Different Flow Cytometry Profiles following IBDV Infection Petkov, Daniel I., Erich G. Linnemann, Darrell R. Kapczynski, and Holly S. Sellers
11:00 AM	<i>Mycoplasma gallisepticum</i> in Commercial Layers Davison, Sherrill, Stanley H. Kleven, Eric N. Gingerich, Maricarmen García, Perry L. Habecker, and Robert J. Eckroade	Effect of Infectious Bursal Disease Virus on Macrophages Sharma, Jagdev M., Mahesh Khatri, Joe M. Palmquist, and Ra Mi Cha
11:15 AM	Hemagglutinin Serovars of <i>Avibacterium (Haemophilus) paragallinarum</i>: Typing, Cross-protection and Virulence Soriano V., Edgardo	In ovo and Post-hatch Vaccination with a Live, Attenuated Variant Infectious Bursal Disease Virus Kass, Steven A., Mahesh Khatri, Ra Mi Cha, and Jagdev M. Sharma
11:30 AM	Oligonucleotides Containing CpG Motifs (CpG-ODN) as a Vaccine Adjuvant in Poultry Somis, Susantha, Lorne Babiuk, Andrew Potter, and Brenda Allan	Comparative Pathogenesis of Infectious Bursal Disease Virus (IBDV) Challenge of Chickens after <i>in ovo</i> or Post hatch Vaccination Rautenschlein, Silke and Christine Haase
11:45 AM	Enhancing DNA Vaccine-Induced Production of Hemagglutinin-Specific Reference Antisera Pfeiffer, Jennifer and David L. Suarez	Role of Cellular Signaling Pathways in the Immunopathogenesis of Infectious Bursal Disease Virus Khatri, Mahesh, Ra Mi Cha, and Jagdev M. Sharma
12:00	Adjourn	Adjourn

Poster Session
Monday, July 18 – Wednesday, July 20, 2005

Avian Influenza

1. **Detection of Antibodies in Serum and Eggs and Virus Shedding in Eggs following Infection with an H6N2 Avian Influenza Virus**
Trampel, Darrell W., En-Min Zhou, and Kyoung-Jin Yoon
2. **Variation in the H6 Hemagglutinin Genes of Avian Influenza Viruses Collected from Wild Water-fowl and Shorebirds in North America 1969-2002**
Spackman, Erica
3. **Avian Influenza of Subtype H9N2 in Poultry of Lebanon: Immunity and Infection**
Barbour, Elie K., Vatche K. Sagherian, Samar Dankar
4. **Microarray Technology for Detection of Avian Influenza**
Maughan, Michele N., Travis W. Bliss, David L. Suarez, and Calvin L. Keeler, Jr.

Bacteria, Miscellaneous

5. **An Outbreak of Avian Tuberculosis in Chuckars**
Dhillon, A. Singh, Dennis M. Schaberg, Sylvia K. Weber, Fonda Wier, and Daina V. Bandli
6. **Identification of *Bordetella avium* by PCR and Analysis of Amplicon Sequence**
Register, Karen B. and Andrew G. Yersin
7. **Efficacy of an Inactivated *Pasteurella* Vaccine for American Kestrels**
Echo, Jennifer, Patricia Wakenell, and William Ferrier
8. **Inflammatory Process in Commercial Broilers related to Skin Scratches Occurring in the Growing Period**
Alfonso, M., Bill Hewat, and H. John Barnes
9. **Otitis associated with *Salmonella arizonae* in Turkey Poults**
Shivaprasad, H.L. and P. Cortes
10. **Evaluation of Adjuvants and Route of Immunization for *Clostridium perfringens* Type A alpha toxoid Vaccine in Providing Passive Protection against Necrotic enteritis in Broiler chickens**
Dimmick, Suzan, Lindy Echtenkamp, Huchappa Jayappa, Joan Schrader, and Terri Wasmoen
11. ***Pasteurella multocida*: Serotypes from Mississippi Isolates**
Magee, Danny L.
12. **Use of Subtractive Hybridization to Detect Genomic Differences between Avian Pathogenic and Non-Pathogenic *Escherichia coli***
Kariyawasam, S. K. Siek, and L. K. Nolan
13. **Comparative Genomics and Distribution of an R Plasmid, pAPEC-O2-R, among Avian *Escherichia coli* Isolates**
Johnson, Timothy J., Kylie E. Siek, Sara J. Johnson, and Lisa K. Nolan

General Diseases

- 14. Spinal Cord Histopathology in Lame Broiler Chickens**
Hoerr, Frederic, Susan Williams, and Scott Westall
- 15. Microbiological Evaluation of Pekin Duck Baluts**
Fulton, Richard M.
- 16. Determining the Health Status of Migratory Passerines**
Newcomer, Crystal D., Teresa Y. Morishita, and Paul G. Rodewald
- 17. Survey of Poultry Disease Knowledge and Nutrition in Backyard Flock Owners**
Martin, Lori, J. David Latshaw, and Teresa Y. Morishita
- 18. Vascular Lesions in Four-Year-Old Laying Hens**
Fletcher, Oscar J. and John Barnes
- 19. Systemic Aspergillosis in Broiler Chickens**
Hubbard, Sue Ann
- 20. Dermal Melanosis in Broiler Chickens**
Crespo, Rocio and Manuel Pizarro
- 21. Immunohistochemistry in a Case of Mycotoxicosis in Red Partridges**
Crespo, Rocio, Manuel Pizarro, and Maria Castaño
- 22. Pathology of Older Laying Hens**
Barnes, H. John, Luisa Adochiles, Donna K. Carver, and Gustavo C. Rodriguez

Immunology, Immunity and Vaccines

- 23. Immunogenicity and Safety of a Novel Avian Herpesvirus Vaccine**
Schrader, Joan S., Stephanie Cook, Gary Petersen, Dianna Jerman, Linda Gergen, and Terri Wasmoen
- 24. Avian Macrophage Transcriptome Responses to Bacterial Stimuli**
Bliss, Travis W. and Calvin L. Keeler, Jr.

Infectious Bronchitis Virus

- 25. Anti-virus Functions of Halamine Fabrics: Potential Application for SARS Prevention**
Edwards, Ingrid, Patricia Wakenell, and Gang Sun
- 26. Longitudinal Field Studies of Avian Respiratory Viruses in Broilers using Type Specific Real-time RT-PCR Assays**
Lee, Hyun-Jeong, Ji-Sun Kwon, Ho-Sik Yoon, Yong-Ho Hong, and Chang-Seon Song
- 27. Serological Reactivity of Baculovirus-expressed Infectious Bronchitis Virus Nucleoprotein**
Vakharia, Vikram N., Chinta Lamichhane, and Gerard E. Edwards
- 28. Correlation of airsacculitis Condemnation Rates and IBV ELISA and HI Serology Titers in Broiler Flocks from Mississippi**
Senties-Cué, C. Gabriel, Danny L. Magee, and Robert W. Wills
- 29. Evolutionary Trends in the Group III Avian Coronaviruses**
Jackwood, Mark W. and Deborah A. Hilt

Infectious Bursal Disease

- 30. Characterization of an Infectious Bursal Disease Virus Isolated from Broilers in Ontario**
Cereno, Teresa N.
- 31. Comparison of Two Spray Vaccination Methods against Infectious Bursal Disease Virus in Broilers**
Purvis, Linda B., Pedro Villegas, and Alejandro Banda
- 32. Effect of Fixation Conditions on Immun-histochemistry of IBDV Infected Bursae**
Hamoud, Mohamed M., Pedro Villegas, and Susan M. Williams
- 33. Efficacy of Two Vaccination Programs Containing 2512 IBDV Strains against Experimental Infection with F25/70 Strain in Broiler Chickens**
Alba Chinchá, Mónica, Eliana Icochea, Pablo Reyna, Rosa Gonzalez, and Claudia Perez
- 34. Study of in ovo Administered Antigen-Antibody Complex Vaccine of IBDV against Challenge F52/70 Strain in Broiler Chickens**
Icochea D'rigo, Eliana, Mónica Alba, Pablo Reyna, Rosa Gonzalez, Susana Friborg, and Jhon Guzman

Laryngotracheitis

- 35. Isolation and Molecular Characterization of Virulent Infectious Laryngotracheitis Virus from Commercial Layer Hens in Brazil**
Chacón Villanueva, Jorge Luis, Paulo Eduardo Brandão, Laura Yaneth, Villarreal Buitrago, Antonio Jose Piantino Ferreira

Leukosis

- 36. Pathogenicity and Transmission of a Field Isolate of Reticuloendotheliosis Virus**
Zavala, Guillermo, Sunny Cheng, Maricarmen García, and Susan M. Williams
- 37. The Genome of Reticuloendotheliosis Virus integrated in the Genome of Fowlpox Virus**
Singh, Pratik, William M. Schnitzlein, and Deoki N. Tripathy
- 38. Detection of Avian Leukosis Virus Subgroup J from Broilers and Broiler Breeders in Alabama: 1998-2004**
Li, Lanqing, Frederic J. Hoerr, and Michael J. Luther

Miscellaneous Virus

- 39. Evaluation of Pathogenicity of Avianpox Viruses from Endangered Hawaiian Forest Birds**
Tripathy, Deoki N. and Taejoong Kim
- 40. Identification of Turkey Astrovirus and Coronavirus Co-infections in Brazil**
Villarreal Buitrago, Laura Yaneth, Mario Sergio Assayag Junior, Paulo Eduardo Brandão, Jorge Luis Chacón Villanueva, Claudete Serrano Astolfi Ferreira, Nelva Grando, Ricardo Soncini, Marcelo Pereira, and Antonio Jose Piantino Ferreira
- 41. Molecular Characterization of turkey Astroviruses circulating in the United States**
Pantin-Jackwood, Mary J. and Erica Spackman
- 42. Avian Hepatitis E Virus and Flax as risk factors associated with Hepatitis-splenitis Syndrome in Commercial Laying Hens**
Agunos, Agnes C., Bruce Hunter, Stanley Wayne Martin, Dongwan Yoo, Sameh Youseff, and Brian Binnington

Mycoplasma

- 43. Status of the ORT, ART, IB, ND, AI (H9N2), MS and MG Infection in Broiler Breeder Flocks in Iran**
Mirsalimi, Seyed Medhi and Omid Rahimzadeh
- 44. Tissue Responses of SPF Chickens exposed to Live *Mycoplasma gallisepticum* (MG) Vaccines and other MG Strains**
do Nascimento, Elmiro Rosendo, Kelly C Demarque, Rogégio Tortelly, Patricia A. Pólo, Virginia L.A. Pereira, Marcelo A.F. Zuanaze, and M. Graça F. Nascimento
- 45. Hematological Values on *Mycoplasma synoviae* Experimental Infection**
do Nascimento, Elmiro Rosendo, Rita C.F. Silva, Nadia R.P. Almosny, Virginia L.A. Pereira, Maria L. Barreto
- 46. Evaluation of DNA Extraction Methods for *Mycoplasma gallisepticum* PCR**
Leiting, Victoria A., Maricarmen García, Naola M. Ferguson, Ziv Raviv, Ruth S. Wooten, Louise Dufour-Zavala, Guillermo Zavala, and Stanley H. Kleven
- 47. The Effect of *Mycoplasma synoviae* (MS) Challenge at the Onset of Lay on Performance of Table Egg Layers**
Raviv, Ziv and S. H. Kleven

Newcastle

- 48. Quantification of Newcastle Disease Virus by Real-Time RT-PCR**
Miller, Patti, Daniel J. King, and David L. Suarez
- 49. Comparison of the Enzyme Linked Immunosorbent Assay and the Hemagglutination Inhibition Test for Antibody to Newcastle Disease in a Commercial Farm and Non-commercial Layers Raised in the Backyard of Poor Families from Argentina**
Buscaglia, Celina, Gabriela Prada, Verónica Prio, Graciela Prio Lofeudo
- 50. Protection of Chickens from Newcastle Disease with a Recombinant Baculovirus Subunit Vaccine Expressing the Newcastle Disease Virus Fusion and Hemagglutinin-Neuraminidase Protein**
Lee, Youn-Jeong, Haan-Woo Sung, Jun-Gu Choi, Eun-Kyoung Lee, Jae-Hong Kim, Chang-Seon Song

Parasitic Diseases

- 51. Fecal Oocyst Counts as a Dynamic Tool to Monitor Coccidiosis in Broilers**
Ruano, Miguel, Bruce N. Stewart-Brown, Douglas K. Marvil, and Henry M. Engster
- 52. Comparative Study of Performance Between Different Anticoccidial Drug Programs and a Vaccine Coccidiosis Control Program**
Quiroz, Marco A., Tim Cherry, Chris D. Knight, Julia J. Dibner, and Steve Mueller

Pneumovirus

- 53. Optimization of a Diagnostic RT-PCR for Avian Pneumoviruses in Specimens collected on FTA® Cards**
Thayer, Stephan G., Darrell R. Kapczynski, Hugo Moscoso, Gloria Avellaneda, and Charles L. Hofacre
- 54. Immunopathogenesis of Avian Pneumovirus in Turkeys**
Cha, Ra Mi, Mahesh Khatri, Joe Palmquist, and Jagdev M. Sharma

Toxins

55. **The Environmental Fate of Arsenic in 3-Nitro ®**
Shane, Simon M.
56. **A Case of Intoxication with Carbamates in Wild Geese**
Bianu, Elisabeta G. and Daniela A. Nica
57. **A Case of Acute Intoxication with Arsenic in Poultry**
Nica, Daniela A. and Elisabeta G. Bianu



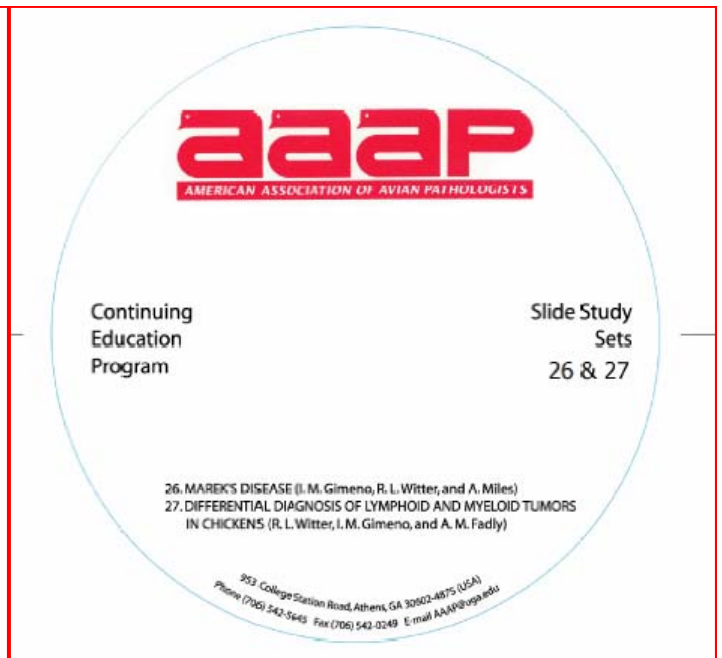
AAAP has a new slide study set CD available.

This CD contains 2 slide sets:

- 26. Marek's Disease
- 27. Differential Diagnosis of Lymphoid and Myeloid Tumors in Chickens

The cost is \$40.00 for both sets.

Please see Sue Clanton in the Poster Room at the AAAP Meeting in Minneapolis and get your copy.

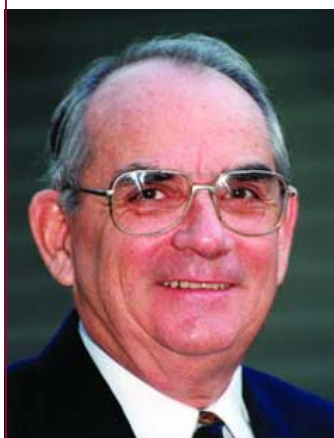


Accolades

From USPOULTRY:

The U.S. Poultry & Egg Association presented the Lamplighter Awards during the International Poultry Exposition held January 26-28, 2005 in Atlanta, GA. The awards were given to USPOULTRY members who have made extraordinary contributions to the poultry industry.

The three veterinarians who received the Lamplighter Awards were Drs. Charles W. Beard, David E. Swayne, and Donald W. Waldrip.



Dr. Beard of Athens, GA retired from UPOULTRY in 2004 as vice president of research and technology. He graduated from the University of Georgia in 1955.



Dr. Swayne of Athens, GA currently services as the U.S. Department of Agriculture's laboratory director in the Southeast Poultry Research Laboratory. He graduated from the University of Missouri in 1984.



Based in Oakwood, GA, Dr. Waldrip graduated from the University of Georgia in 1962 and is a diplomate of the American College of Poultry Veterinarians. He serves as the director of health services and area live production manager at Wayne Farms LLC.