

AAAP SUMMER NEWSLETTER

June 2002

AAAP Annual Meeting

to be held July 13-17 in Nashville, Tennessee

The AAAP Board of Directors will meet all day on Friday, July 12 and Saturday, July 13 and again on Wednesday morning, July 17 in the Magnolia Board Room B at the Gaylord Opryland Hotel and Convention Center. All members are welcome to attend.

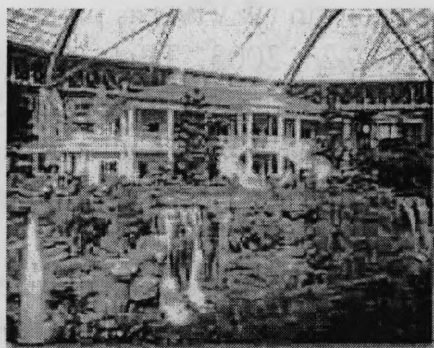
The AAAP Business Meeting will be on Tuesday, July 16 at 10:30 AM in the Gaylord Opryland Convention Center.

There will be refreshments in the poster room each day at 7:30 AM.

Please come and enjoy!

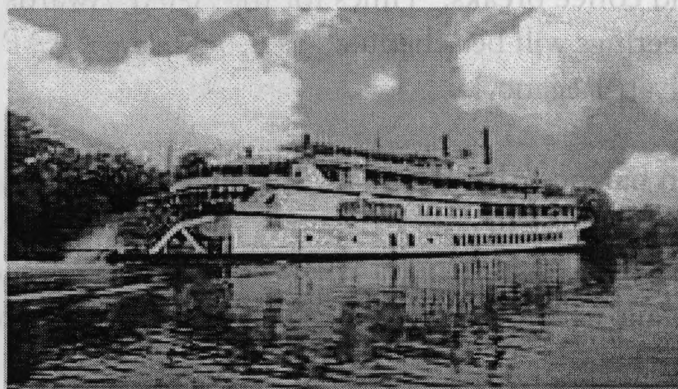
Members wishing to obtain continuing education certificates for the meeting must see Dr. Eckroade at the meeting.

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*The Delta at the Gaylord
Opryland Resort*

Attached are the AAAP/AVMA Poultry Scientific Program, Symposium on Poultry Vaccines and Vaccination Practices Program and AAAP Committee Meeting Schedules. Please remember that the Scientific Program is not final. It is very likely that there will be minor changes before we arrive in Nashville. A final program and abstract book will be distributed at the start of the Scientific Program on Monday. A Symposium Proceedings will also be distributed.



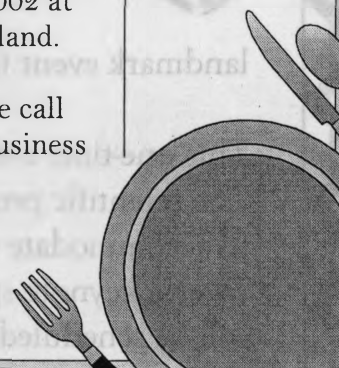
The General Jackson Showboat

AAAP AWARDS LUNCHEON

The Awards luncheon will be held on Monday, July 15, 2002 at Opryland.

Please call the business

office before July 9 to reserve your ticket.





AAAP Sponsors WVPA Meeting!

As many already know, AAAP is hosting the World Veterinary Poultry Association (WVPA) as part of our annual meeting in Denver, July 19-23, 2003. This will be only the second time in its 40-year history that the WVPA has held its annual meeting in the Americas. AAAP is working hard to make this conference a landmark event for both AAAP members and our foreign guests.

This one-time event will depart from our traditional meeting format in several ways. The scientific program will be longer (4 full days) and larger (3 concurrent sessions) to accommodate double the traditional number of oral presentations and posters. Twelve keynote speakers will give lectures on invited topics. No special symposium will be scheduled. Three new social events will be offered – a welcome reception on Saturday, a gala banquet on Tuesday and a closing Western theme party on Wednesday. In addition to the customary AVMA hotels, some lower cost dormitory rooms will be available. An expanded menu of pre- and post-conference tours will be offered. We expect 800-1000 total registrants. To cover additional expenses, AAAP and WVPA members will be assessed a \$125 surcharge on top of regular AVMA registration fees.

Many things, however, will stay the same. We will accommodate the traditional AAAP committee meetings. We will have our traditional continental breakfasts and coffee breaks. Times for the AAAP Awards Banquet and annual business meetings will be scheduled as usual. The AAAP will have a headquarters hotel (Hyatt Regency).

On balance, the meeting will be bigger, slightly longer and probably busier than normal. It will cost a little more. However, it will provide an exceptional scientific and social experience. This will be a unique event that few will want to miss. More details will be available in due course. Your comments and suggestions are welcome.



**American Association of Avian Pathologists
Schedule of Events**

Gaylord Opryland Hotel and Convention Center, Nashville, Tennessee

FRIDAY, JULY 12

8:00 AM-7:00 PM

Board of Directors Meeting
Magnolia Board Room B

SATURDAY, JULY 13

8:00 AM-7:00 PM

Board of Directors Meeting
Magnolia Board Room B
ACPV Exam
Cheekwood G,H

SUNDAY, JULY 14

7:00 AM-8:00 AM

Awards Committee

7:00 AM-9:00 AM

Cheekwood E

7:30 AM-8:30 AM

AAAP/AVMA Liaison Committee

7:30 AM-5:30 PM

Cheekwood D

8:00 AM-5:00 PM

Georgia MAM Alumni Group

9:00 AM-11:00 AM

Presidential D

12:00 PM-1:30 PM

Poster Session

12:15 PM-1:15 PM

Ryman Hall B2

12:30 PM-1:30 PM

Poultry Vaccines &

3:00 PM-7:00 PM

Vaccination Practices Symposium

5:00 PM-6:30 PM

Ryman Hall B3

5:00 PM-7:00 PM

WVPA Congress Committee

5:30 PM-6:30 PM

Belmont A

7:00 PM-10:00 PM

California Alumni Group

Belmont A

MONDAY, JULY 15

7:00 AM-8:00 AM

Membership Committee

7:00 AM-8:00 AM

Cheekwood E

7:00 AM-8:00 AM

Avian Disease Manual Editorial Committee

7:00 AM-8:30 AM

Cheekwood D

ACPV Board Meeting

Magnolia Board Room A

Long Range Planning Committee

Washington A

Diseases of Poultry Editorial Board

Cheekwood D

Biologics Committee

Magnolia Board Room B

NCSU-CVM Alumni Dinner

Jackson E

Avian Diseases Editorial Board

Magnolia Ballroom

Preceptorship Committee

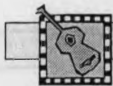
Belle Meade B

Toxic, Infectious, Misc. & Emerging Diseases

Belle Meade A

History Committee

Magnolia Board Room A

**MONDAY, JULY 15 cont.**

7:00 AM-8:30 AM

Foodsafety & Diseases of Public Hlth. Signif.
Jackson C

7:30 AM-5:30 PM

Poster Session

8:00 AM-5:00 PM

Ryman Hall B2

Scientific Program Session A

8:00 AM-5:00 PM

Ryman Hall B3

Scientific Program Session B

Noon-2:00 PM***Ryman Hall B4*****AAAP Awards Luncheon**

5:00 PM-6:00 PM

Magnolia Ballroom

5:00 PM-6:00 PM

Enteric Diseases Committee

6:00 PM-7:00 PM

Hermitage E

6:00 PM-7:00 PM

Tumor Virus Committee

Presidential Board Room B

Animal Welfare and Management Committee

Belmont C

Education Committee

*Magnolia Board Room B***TUESDAY, JULY 16**

7:00 AM-8:00 AM

Biotechnology Committee

Belmont A

7:00 AM-9:00 AM

ACPV Reception

7:30 AM-5:30 PM

Magnolia Ballroom

Poster Session

8:00 AM-5:00 PM

Ryman Hall B2

Scientific Program Session A

8:00 AM-5:00 PM

Ryman Hall B3

Scientific Program Session B

10:30 AM-12:00 noon***Ryman Hall B4*****AAAP BUSINESS MEETING**

12:00 PM-1:00 PM

Ryman Hall B3

Epidemiology Committee

5:00 PM-6:00 PM

Belle Mead A

5:30 PM-7:00 PM

Electronic Information Committee

Belmont B

Respiratory Diseases Committee

*Jackson A,B***WEDNESDAY, JULY 17**

7:00 AM-11:00 AM

Board of Directors Meeting

Magnolia Board Room B

7:30 AM-Noon

Poster Session

8:00 AM-Noon

Ryman Hall B2

Scientific Program Session A

8:00 AM-Noon

Ryman Hall B3

Scientific Program Session B

Ryman Hall B4



AAAP Symposium on Poultry Vaccines and Vaccination Practices

I. General vaccinology and vaccine development		
8:00	The role of vaccines in poultry management and disease prevention Non-immunological host factors affecting vaccination Genetics; nutrition; performance cost to vaccination	<i>Mark Cook, U. of Wisconsin</i>
8:30	The host response to vaccination Overview of B and T cell responses Which diseases depend primarily on one or the other? Conventional vaccines (live and killed) Antigen characteristics and delivery favoring B vs. T cell responses	<i>Jim Roth, ISU</i>
9:00	Cytokine responses What do we know; how might this affect future vaccine development?	<i>Michael Kogut, Texas A&M</i>
9:20	Adjuvants	<i>Virgil Schijns, Intervet Netherlands</i>
9:40	Discussion	
9:50	Break	
10:15	Recombinant vaccines and DNA vaccines - Unfulfilled promises	<i>Robert Silva, ADOL</i>
10:30	<i>In ovo</i> technology - Future directions	<i>Jagdev Sharma, U. of Minnesota</i>
10:45	What the end user needs and expects from vaccines	<i>Spangler Klopp, Townsends, Inc.</i>
11:00	Licensing policy issues What are the roadblocks to licensure? Duration of immunity and response evaluation	<i>Tom Mickle, Merial Byron Rippke, CVB</i>
11:30	Discussion	
11:45	Lunch	
II. Specific vaccines and vaccine use		
	Vaccines against respiratory diseases	
1:00	Infectious bronchitis (future vaccines against multiple serotypes?)	<i>Mark Jackwood, UGA</i>
1:20	Infectious laryngotracheitis	<i>Calvin Keeler, UD</i>
	Vaccines against enteric diseases	
1:50	Coccidiosis (current control issues; future control strategies)	<i>David Chapman, UA</i>
2:10	Intestinal viruses of turkeys (PEMS, Coronavirus, Small round viruses, Hemorrhagic enteritis virus) - Problems and prospects	<i>Dave Halvorson, U. of Minnesota</i>
2:30	Discussion	
2:40	Break	
	Vaccines against multisystemic diseases	
3:10	Infectious bursal disease	<i>Mo Saif, OSU</i>
3:30	Fowl cholera (live vaccines)	<i>John Glisson, UGA</i>
3:50	Discussion	
4:00	Food safety vaccines Salmonella, Campylobacter, Listeria - Future approaches	<i>Roy Curtiss, Washington U., St Louis</i>
4:30	Wrap-up discussion	<i>Vergil Davis</i>
5:00	Adjourn	



2002 AAAP/AVMA SCIENTIFIC PROGRAM

	Monday, July 15, 2002 Session A	Monday, July 15, 2002 Session B
	Moderator:	Moderator:
8:00	Comparison of Neuraminidase length from avian influenza isolates from poultry and wild birds Suarez, David	Effect of prior serial <i>in vivo</i> passage on the frequency of deposition of <i>Salmonella</i> Enteritidis in eggs from experimentally infected laying hens Gast, Richard and Peter Holt
8:15	Evolution and relationship of recent H5 subtype avian influenza A viruses isolated in North America Lee, Chang-Won and David Suarez	Long-term characterization of Bacteriological and Isotype-specific Antibody Parameters in Chickens with early <i>Salmonella enterica</i> serovar <i>enteritidis</i> PT4 Infection Bautista, Daniel, R. Sheela, Subbiah Elankumaran, Wenxia Song and Robert Heckert
8:30	Analysis of the Avian Influenza Matrix Gene of North American Wild Waterfowl Isolates Spackman, Erica and David Suarez	Use of <i>sefA</i> fimbrial gene as a live recombinant vaccine against <i>Salmonella</i> Enteritidis in chickens Lopes, Vanessa, B Velaydhan, David Halvorson and K Nagaraja
8:45	Molecular relationships between avian influenza virus subtypes of H9N2 from Korea and highly pathogenic H5N1 from Hong Kong Kim, Min, Sun Cho, Hyuk Kwon, Eun Lee and Sun Kim	Induction of fimbriae – specific antibodies by a newly developed live <i>Salmonella</i> Enteritidis vaccine in poultry Barbour, Elie, Gida Banat, Rabih Talhouk, Faris Jirjis and Mohammad Farran
9:00	Immunohistochemical (IHC) Staining of Chorioallantoic Membrane for Evaluation of Monoclonal Antibodies to Avian Influenza Virus Weinstock, Daniel, Marlene Castro, Huagang Lu, Iris Wang and Anthony Castro	Live Attenuated and Killed <i>Salmonella</i> Vaccines Cause an Increase in Cell-mediated Immunity among Laying Hens Babu, Uma, Mashassi Okamura, Dennis Gaines, Michael Myers, Richard Raybourne, Hyun Lillehoj and Robert Heckert
9:15	Mucosal Delivery of Influenza Vaccine Protects Against Lethal Influenza A H5N1 Virus Infection Tumpey, Terrence and Darrell Kapeczynski	Essentials of a Sustained SE-Risk Reduction Program – Review of 12 Years Program Implementation Optiz, H. Michael, Donald Hoenig and Sheila Foster
	Break 9:30 AM – 10:00AM	Break 9:30 AM – 10:00AM
	Moderator:	Moderator:
10:00	Application of a “DIVA” vaccination strategy for the control of avian influenza in Italy Capua, Ilaria, Giovanni Cattoli, Calogero Terregino and Stefano Marangon	Evaluation of <i>Salmonella</i> Serogroup Distributions from Commercial Broiler Houses Ruiz, Jaime, Karen Burns, John Schleifer, Douglas Waltman and Charles Hofacre
10:15	Development and Evaluation of a Challenge Model for Measuring Efficacy of Vaccines Against Mildly Pathogenic Avian Influenza Viruses Swayne, David, Terry Tumpey, Erica Spackman, David Suarez, Joan Beck and Stacey Schultz-Cherry	Identification of Risk Factors Associated with the Presence of <i>Salmonella</i> in Post-Chill Broilers Wills, Robert and Hartford Bailey
10:30	Avian Influenza in Retrospect – A Look at Three Epidemics Kradel, David	Characterization of <i>Salmonella</i> from Poultry Operations Liljebjelke, Karen, Marie Maier, Tongrui Liu, David White, Charles Hofacre and John Maurer
10:45	Measures of Pathogenicity for the Pigeon Paramyxovirus Type 1 (PPMV-1) Panigrahy, Brundaban, Dennis Senne and Janice Pedersen	<i>Campylobacter</i> infection of young turkeys Barnes, H. John, Sophia Kathariou, Jean-Pierre Vaillancourt, Shannon Kozlowicz and Jason Hartsell
11:00	Biological and molecular characterization of recent Newcastle disease virus isolates before and after passage in chickens King, Daniel, Glauca Kommers, Bruce Seal and Corrie Brown	Possible Impact of <i>Campylobacter</i> Colonization in Commercial Turkeys Reimers, Nancy, Katy Smith and Sophia Kathariou
11:15	Protection study of NDV in broilers with two commercial vaccines containing VS-GA and PHY.LMV.42 strains Alba, Monica, Eliana Icochea, Rosa Gonzalez and Branco Alva	Factors affecting the emergence of quinolone-resistant <i>Campylobacter</i> in poultry Zhang, Qijing and Naidan Luo



	Monday, July 15, 2002 <i>cont'd</i> Session A	Monday, July 15, 2002 <i>cont'd</i> Session B
	AAAP Awards Luncheon 11:30 AM – 2:00 PM	AAAP Awards Luncheon 11:30 AM – 2:00 PM
	Moderator:	Moderator:
2:00	Molecular Detection and Differentiation of Muscovy Duck and Goose Parvoviruses Pedersen, Janice, Dennis Senne and Brundaban Panigrahy	Hypoglycemia-Spiking Mortality Syndrome: An Update Davis, James, J. Doman and A. Castro
2:15	Reed Rumsey	The Use of Plant Derived Antigens for Poultry Vaccines Reynolds, Don and Sevinc Akinc
2:30	Reed Rumsey	Diseases of quail observed in the Alabama State diagnostic laboratories: 1996-2001 Hoerr, Frederic, Susan Lockaby, Robert Matthews, Tami Kelly, Francene Van Sambeek and Joel Cline
	Break 2:45 PM – 3:00PM	Break 2:45 PM – 3:30PM
	Moderator:	Moderator:
3:00	<i>In vitro</i> cultivation of pigeon circovirus Cardona, Carol and Vanessa Voegtly	Association of <i>Pasteurella Multocida</i> Transmission via Artificial Insemination in Turkeys Morishita, Teresa, Elisabeth Angrick and John Rule
3:15	Impairment of cytotoxic T lymphocyte development by chicken infectious anemia virus correlates with increased viral load and altered cytokine transcript levels Schat, Karel and Carrie Markowski-Grimsrud	Epidemiology of Fowl Cholera in Georgia Zavala, Guillermo, Louise Dufour-Zavala and Douglas Waltman
3:30	Clinical and molecular characterization of chicken anemia virus isolates obtained from commercial broiler farms Banda, Alejandro, Pedro Villegas, John El-Attrache and Corrie Brown	Preliminary evaluation of a killed polyvalent fowl cholera vaccine in Kestrels Wakenell, Patricia, Bill Ferrier and Brian Evans
3:45	Chicken Infectious Anemia Virus (CIAV): Detection of Virus and Antibodies in Commercial Broilers Sommer, Franz, Carol Cardona and Bruce Charlton	Histomoniasis in Turkeys – A reemerging disease? Shivaprasad, H. L., G. Senties-Cue, R. Chin, R. Crespo and B. Charlton
4:00	Summary of Industry Reovirus Survey Cummings, Timothy	Systemic Histomoniasis in Commercial Turkeys Senties-Cue, Gabriel, H. L. Shivaprasad and Richard Chin
4:15	Characterization of Pathogenic Reoviruses Isolated from Broilers and Breeders in the Southeastern United States Rosenberger, John and Sandra Cloud	The DOA – A Study in Maximum Inefficiency Opengart, Kenneth
4:30	Microscopic lesions produced by recent isolates of Infectious Laryngotracheitis Virus from Northeast Georgia in chickens and chicken embryos Brown, Tom and Mary Pantin	Assessment of a multimedia turkey carcass trimming training program Martinez, Algis, Jean-Pierre Vaillancourt and Eric Gonder
4:45	Response to Challenge of Four Michigan Infectious Laryngotracheitis Virus Isolates Fulton, Richard, Roger Maes and Cunqin Han	Interpretation of ELISA titers for Georgia broilers, broiler breeders and commercial layers Dufour-Zavala, Louise
5:00	Adjourn	Adjourn
	Tuesday, July 16, 2002 Session A	Tuesday, July 16, 2002 Session B
	Moderator:	Moderator:
8:00	Marek's disease virus in turkeys: Experimental infection and a case report from France Miles, Andrea, H. John Barnes, Jeremy Pittman and Jean-Luc Guerin	Avian pneumovirus (APV) RNA isolated from seagulls shows genetic homology with RNA from APV isolates from domestic turkeys Velayudhan, Binu, Vanessa Lopes, David Halvorson and Kakambi Nagaraja
8:15	Persistence of Marek's disease virus in feather tips and spleens of chickens as detected by PCR Spencer, J. Lloyd and Maria Chan	Effect of age of turkeys on susceptibility to avian pneumovirus-induced disease and mitogenic inhibition Gerbyshak-Szudy, Heather, Hayet Abbassi and Jagdev Sharma



	Tuesday, July 16, 2002 <i>cont'd.</i> Session A	Tuesday, July 16, 2002 <i>cont'd.</i> Session B
8:30	Examination of Pathogenicity and Vertical Transmission of Herpesvirus in Japanese Quail Link, Donald, Patricia Wakenell and Karel Schat	Development and Evaluation of a Competitive ELISA for the Detection of Avian Pneumovirus Antibodies in Various Avian Species Turpin, Elizabeth and David Swayne
8:45	Mutagenesis and <i>in vivo</i> studies of Marek's Disease virus encoded Interleukine-8 like gene (vIL8) Cui, Xiaoping, Lucy Lee, Isabel Gimeno, Willie Reed and Sanjay Reddy	Role of local cellular immunity in protection against respiratory challenge with avian pneumovirus Chary, Parag, Mathur Kannan and Jagdev Sharma
9:00	Role of Marek's disease virus pp38 gene in pathogenesis Reddy, Sanjay, Isabel Gimeno and Lucy Lee	Avian Pneumovirus Disease (APV) Outbreaks in Turkeys in the Midwest: A Field Prospective Medina, Hugo
9:15	Role of 1.8 kb mRNA Family of Transcripts in Marek's Disease Virus Pathogenesis Silva, Robert, Blanca Lupiani and Sanjay Reddy	Evaluation of a wild bird avian pneumovirus isolate as a vaccine candidate Halvorson, David, Richard Bennett, Moses Njenga and Kakambi Nagaraja
	Break 9:30 AM – 10:00 AM	Break 9:30 AM – 10:00 AM
	Moderator:	Moderator:
10:00	History of Biological Control of Poultry Diseases in the U.S. Hitchner, Stephen	
10:15		
	Business Meeting 10:30 AM – 12:00 Noon Lunch 12:00 Noon – 1:00 PM	Business Meeting 10:30 AM – 12:00 Noon Lunch 12:00 Noon – 1:00 PM
	Moderator:	Moderator:
1:00	Immunologic tolerance in chickens hatching from eggs injected with cell-associated turkey herpesvirus (HVT) Sharma, Jagdev and Yugen Zhang	A comparison of diagnostic tests performed on brooding age poults and designed to identify PEMS agents Kozlowski, Shannon, Jean-Pierre Vaillancourt and H. John Barnes
1:15	Immunological features of the serotype 1 Marek's Disease virus vaccines Gimeno, Isabel, Richard Witter, Henry Hunt and Willie Reed	Brooding performances in 43 turkey flocks depending on diagnostic results from tests developed for PEMS related agents Vaillancourt, Jean-Pierre, John Barnes, Stacey Schultz-Cherry, Mo Saif, Tom Hooper, Jim Guy, Shannon Kozlowski, Jason Hartsell, Nancy Reimers, Marion Garcia and David Rives
1:30	Influence of B-hapotype on the efficacy of recombinant fowlpox vaccine protection against Marek's disease Lee, Lucy, Larry Bacon and Richard Witter	Use of a Human Cell Line to Induce Helper Virus-Free Replication of Avian Adeno Associated Virus Estevez, Carlos, Pedro Villegas and John El-Attrache
1:45	Development of new attenuated serotype 1 vaccines with improved efficacy against Marek's disease through cell culture passage, chicken backpassage, and retroviral insertion Witter, Richard	Stimulation of the innate immune system of broilers with DNA oligonucleotides containing CpG motifs (CpG DNA) Gomis, Susantha, Dale Godson, Lorne Babiuk, Brenda Allan, Rolf Hecker and Andrew Potter
2:00	Localization and profiling of reticuloendotheliosis virus (REV) protein/s in cultures infected with REV integrated fowlpox virus (Rev-FPV) strains Tadese, Theodros and Willie Reed	Effect of selected nutritional deficiencies on immune function Sander, Jean, Chieh-Fu Chen and I-Hsin Cheng
2:15	Epidemiology of RNA Tumor Viruses Zavala, Guillermo and Louise Dufour-Zavala	Dactylariasis in broiler chickens Van Sambeek, Francene, Susan Lockaby and Burton Maxfield
	Break 2:30 PM – 3:00 PM	Break 2:30 PM – 3:00 PM



	Tuesday, July 16, 2002 cont'd. Session A	Tuesday, July 16, 2002 cont'd. Session B
	Moderator:	Moderator:
3:00	Molecular and biological characterization of naturally occurring recombinant avian leukosis (ALV) isolated from egg-type chickens suffering from myeloid leukosis Lupiani, Blanca, Arun Pandiri, Henry Hunt, Willie Reed and Aly Fadly	<i>Mycoplasma gallisepticum</i> in Commercial Layers in Pennsylvania Davison, Sherrill, Stanley Kleven, Eric Gingerich and Robert Eckroade
3:15	Quantitation of viral RNA and proviral DNA levels of Subgroup J Avian Leukosis Virus (ALV J) by real time RT-PCR and PCR Pandiri, Arun, Blanca Lupiani, Willie Reed and Aly Fadly	Presence of Pathogenic Mycoplasmas in free flying visitor birds from commercial layer farms in the South Peruvian Coastal area (Chincha) Noe, Norma, Eliana Icochea, Monica Alba, Rosa Gonzalez, Mirtha Roque and Sharon Levisohn
3:30	The design and evaluation of antisense oligomers as potential inhibitors of avian leukosis virus replication El-Attrache, John, Pedro Villegas, Scott Callison and Alejandro Banda	Diagnosis of Mycoplasma infections in Colorado (1999 to present) Wooming, Brian, David Ley and Sile Huyan
3:45	Studies of subgroup J avian leukosis virus infection and tumors in a naturally infected commercial broiler breeder flock Dybing, Jody, Arun Pandiri, Larry Bacon and Aly Fadly	A House Finch-like <i>Mycoplasma gallisepticum</i> outbreak in a Midwest turkey company Hermes, David and Michael Kopp
4:00	Response of chickens from three commercial broiler breeders and two experimental lines to infection with a field strain of subgroup J avian leukosis virus Fadly, Aly, Jody Dybing and Arun Pandiri	The Characterization of a Naturally Occurring <i>Mycoplasma gallisepticum</i> House Finch-like strain from Commercial Turkeys Ferguson, Naola, David Hermes, Victoria Leiting and Stanley Kleven
4:15	Effects of injecting ALV-J antiserum in embryonating broiler eggs on localization of ALV-J in the tissues of broiler chickens infected <i>In Ovo</i> Gharaibeh, Saad and Tom Brown	A Preliminary Investigation of a <i>Mycoplasma gallisepticum</i> House Finch-like strain as a Vaccine in Turkeys Ferguson, Naola, Victoria Leiting and Stanley Kleven
4:30	Incidence of Cancer in Layer Hens and Effects on Egg Production Alban-Martinez, Gina, Donna Carver and H. John Barnes	Sequencing as <i>iss</i>-containing Fragment from a Conjugative R Plasmid of an Avian <i>Escherichia coli</i> Isolate Johnson, Timothy, Shelley Horne, Catherine Giddings and Lisa Nolan
4:45	Mortality Patterns and Etiologies in Geriatric Laying Hens Carver, Donna, Gina Alban-Martinez and H. John Barnes	Production of Monoclonal Antibodies Against Avian <i>Escherichia coli</i> <i>Iss</i> Lynne, Aaron, Shelley Horne, Steven Foley and Lisa Nolan
5:00	Adjourn	Adjourn
	Wednesday, July 17, 2002 Session A	Wednesday, July 17, 2002 Session B
	Moderator:	Moderator:
8:00	Adaptation of virulent serotype I Infectious Bursal Disease Virus to avian macrophages Abbassi, Hayet, Heather Gerbyshak-Szudy, Hung Yeh and Jagdev Sharma	Chick Length Uniformity Profiles as a Field Measurement of Chick Quality? Hill, Donna
8:15	A possible new serotype 1 variant of infectious bursal disease virus from Korea Kim, Sun, Hyuk Kwon, Sun Cho, Eun Lee and Min Kim	Innovations of in ovo technology Quiroz, Marco, Rafael Correa, William Samson and Erich Bevenssee
8:30	Identification of a variant IBDV strain that behaves clinically as a classic using histopathology, PCR, and monoclonal antibodies in commercial broilers in Peru Contreras, Manual, Luis Alzamora, Stephanie Mengel Whereat and Fernandez Rafael	Comparison of In Ovo and Post-hatch Injection of Gentamicin Sulfate in Turkey Poults Rives, David
8:45	Mild, intermediate and virulent strains of Infectious Bursal Disease Virus differ in their ability to modulate the immune system Rautenschlein, Silke, Huang-Yueh Yeh and Jagdev Sharma	Experiences Raising Commercial Chickens without the Use of Conventional Antimicrobial Interventions Klopp, Spangler

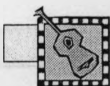


	Wednesday, July 17, 2002 <i>cont'd.</i> Session A	Wednesday, July 17, 2002 <i>cont'd.</i> Session B
9:00	The effect of subclinical Infectious Bursal Disease Virus on iron, copper, and zinc levels in organs during the acute phase response Blackmore, Craig, Patricia Wakenell, Kirk Klasing and Donald Link	Drug Free Chemical Free Broiler Production – Is It Commercially Feasible? Bahl, Arun and Nino Sorgente
9:15	Investigation of Sub-clinical Infectious Bursal Disease in Broiler Farms with a History of Production and Disease Problems Tablante, Nathaniel, Daniel Bautista, Fidelis Hegngi, Conrad Pope and Chinta Lamichhane	The Effects of Poultry Production Units on the Air Quality of Local Environments Davis, Meredith and Teresa Morishita
	Break 9:30 AM – 10:00 AM	Break 9:30 AM – 9:45 AM
	Moderator:	Moderator:
10:00	Analysis of an Infectious Bursal Disease gene expressed by a Herpesvirus vector Moore, Kristi, Yoshinari Tsuzaki, David Hout, Motoyuki Esaki and Joan Leonard	Molecular biological tools for routine diagnosis and further characterization of avian poxviruses Hafez, Hafez, Torge Hoffman and D. Luschow
10:15	Recombinant, attenuated IBDV vaccine protects against classic and variant strains Liu, Meihong, Meggin Brandt, Yi Liu, Gerard Edwards and Vikram Vakharia	Diagnosis and Characterization of Avianpox Viruses from Wild Birds Tripathy, Deoki and T-J Kim
10:30	DNA vaccination against classical and variant Infectious Bursal Disease virus in chickens Wu, Ching Ching, Tsang Long Lin, Hua Chen Chang, Ming Klin Hsieh	A review of <i>Eimeria mivati</i> – Edgar and Seibold Fitz-Coy, Steve, Mike Eckman and Robert Brewer
10:45	Site-Directed Mutagenesis of <i>in vitro</i> Expressed IBV Spike Glycoproteins in an Avian Cell Line Wade, Emma, Mark Jackwood and Deborah Hilt	DNA Vaccination strategy against avian coccidiosis Lillehoj, Hyun and Wongi Min
11:00	Recognition of a unique, widely-disseminated infectious bronchitis virus genotype in North America; Implications for understanding spread of the disease Gelb, Jr., Jack, Brian Ladman, Peter Woolcock, Frederic Hoerr, Kalen Cookson, Darrell Trampel, Andre Ziegler and Brian Binnington	A comparison of Coccivac-B to an Anticoccidial Program on Pigmentation of Broiler Chickens Mathis, Greg and Charles Broussard
11:15	Infectious Bronchitis Virus – the “Cal 99” strain Woolcock, Peter, Sharon Hietala, Liu-Mei Shih and Michael McFarland	Multifocal necrotic duodenitis: a novel disease of commercial laying hens Wallner-Pendleton, Eva, Eric Gingerich, Robert Norton, Patricia Dunn and David Kradel
11:30	<i>In-Ovo</i> Vaccination for IBV Using DNA Vaccine. A Preliminary Study. Khan, Mazhar, Jaroslaw Fabis and Ted Grishick	Enteritis of clostridial etiology in cage layers with high fly population Dhillon, A. Singh, L. H. Lauerma, Dennis Schaberg, Daina Bandli and Sylvia Johnson
11:45	Adjourn	Adjourn



POSTER PROGRAM

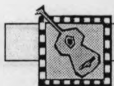
1. **The impact of the 1999-2001 Italian Avian influenza epidemic on the diagnostic laboratory**
Capua, Ilaria and Marilena Campisi Lo Schiavo
2. **A Plasmid-based reverse genetics system for avian influenza virus**
Lee, Change-Won and David Suarez
3. **Safety of Ketamine – Xylazine Mixture for Anaesthesia of some free living and caged birds**
Nassef, Mahmoud and Salah Mousa
4. **Evaluation of Growth Enhancement Antibiotics and Possible Alternatives in Broiler Diets**
Cherry, Tim and Copie Roberts
5. **Tracking the Claim “If there’s one sick bird the Entire Flock is Treated”**
Gonder, Eric
6. **Comparison of Antimicrobial Susceptibility Patterns in the same *E. coli* from field cases taken from blood agar plates versus MacConkey agar plates**
Luna, G. Lynne, Danny Magee, Sue Ann Hubbard, C. Reagan Sadler, Tim Cummings and Melissa Thornton
7. **Vertical Transmission of *Campylobacter* Species in Commercial Broiler Chickens**
Idris, Umelaalim, Margie Lee, Susan Sanchez, Charles Hofacre and Harold Barnhart
8. **A Real-Time Quantitative PCR (qPCR)-Based Serum Neutralization Test for Detection and Titration of Neutralizing Antibodies to Chicken Anemia Virus (CAV)**
van Santen, Vicky, Bernhard Kaltenboeck, Kenneth Macklin and Robert Norton
9. **Generation of infectious clones of chicken anemia virus (CAV) directly from clinical specimens by PCR**
van Santen, Vicky
10. **Pathological Manifestations of *Pasteurella Multocida* Infection in Broiler Chickens**
Aly, Mohammed and Salah Mousa
11. **Dietary modulation of host protective immunity against avian coccidiosis**
Lillehoj, Hyun, Rami Dalloul and John Doerr
12. **Coronavirus in Turkeys; are they Turkey Coronavirus or Infectious Bronchitis Virus**
Jackwood, Mark, Mary Pantin-Jackwood and Deborah Hilt
13. **Complement Resistance, as determined by Flow Cytometry, of Avian *Escherichia coli* Isolates**
Nolan, Lisa, Catherine Giddings and Shelley Horne
14. **Development of a Multiplex PCR Protocol to Discern Virulent from Avirulent Avian *Escherichia coli***
Skyberg, Jerod, Shelley Horne, Catherine Giddings, Curt Doetkott, Richard Wooley, Penelope Gibbs and Lisa Nolan
15. **Educating Service Technicians through Poultry Workshops**
Hubbard, Sue and Danny Magee
16. **A Web-based Biosecurity Training Course for the Poultry Industry**
Tablante, Nathaniel and Mark Varner
17. **Characterization of Anaerobic Bacteria Associated with Duodenal Ulcers in Commercial Laying Hens**
Norton, Robert, Eva Wallner-Pendleton, Eric Gingerich, Paul Patterson, David Kradel and Patricia Dunn
18. **The effects of *Tetratrichomonas gallinarum* infection in turkeys**
Bermudez, Alex and Yvette Broomhead



19. **Role of CPD-Photolyase, and Acidic-Type Inclusion Body Protein in Maintaining the Infectivity and Environmental Persistence of Fowlpox Virus**
Srinivasan, Viswanathan, William Schnitzlein, Tae-Joong Kim and Deoki Tripathy
20. **Genetic Approaches Toward Characterization of Avian Poxviruses**
Kim, Tae-Joong, William Schnitzlein and Deoki Tripathy
21. **Evaluation of a recombinant vaccine for protection against fowlpox in chickens**
Singh, Pratik, William Schnitzlein and Deoki Tripathy
22. **Field Evaluation of a Novel Bivalent Vaccine against Infectious Bursal Disease (IBD) and Newcastle Disease (ND) by mixing viruses and antibodies contained in hyperimmune egg yolk**
Mousa, Salah
23. **Identification of Multiple Genetic Infectious Bursal Disease Virus Populations (Quasispecies) in Commercial Vaccines Following Plaque Purification**
Spalding, Bethany and Daral Jackwood
24. **Genetic changes of infectious bursal disease virus passaged in Vero cells**
Kwon, Hyuk Moo and Soo Joung Kim
25. **Proventriculitis in Broiler Chickens: Effects of Immunosuppression**
Pantin-Jackwood, Mary and Tom Brown
26. **Genetic variations of avian infectious bronchitis virus isolates in Japan**
Lin, Zhifeng
27. **Comparison of the molecular typing of infectious bronchitis virus variants by the restriction fragment length polymorphism assay and phylogenetic analysis of S1 protein gene**
Li, Lanqing, Michael Luther and Frederic Hoerr
28. **Gene 5 in turkey coronavirus closely related to that of avian infectious bronchitis virus**
Lin, Tsang Long, Ching Ching Wu, Chien Chang Loa, Aydemir Akin, Herbert Thacker, Thomas Bryan and Tom Hooper
29. **Protection and Productive Parameters in Broilers Using Two Infectious Bronchitis Commercial Vaccines**
Icochea, Eliana, Monica Alba, Rocio Turin, Rosa Gonzalez and Branco Alva
30. **Evaluation of the Possible Immunological Function of the Chicken Crop (Ingluvies)**
Vaughn, Lara, Peter Holt, Kelly Crowdis, Kun-Ho Seo and Richard Gast
31. **Effect of Prior Exposure on Immunologic Response and Cellulitis Lesion Formation in UCD 003 Chickens**
Jeffrey, Joan, K. Tonooka, C. Van Worth and E. Walton
32. **Case Report: Impact of Electrical Wiring on Broiler Breeder Egg Production**
Magee, Danny and Sue Ann Hubbard
33. **Determining the etiology of unusual tumors in chickens; a case report**
Miles, Andrea, Jeremy Pittman, H. John Barnes, Isabel Gimeno, Aly Fadly and Richard Witter
34. **Lead Contamination of Eggs**
Trampel, Darrell, Paul Imerman, Thomas Carson, Julie Kinker, Steve Ensley and Richard Evans
35. **Case Report: Vitamin A Deficiency in Bobwhite Quail**
Lockaby, Susan, Frederic Hoerr and Francene Van Sambeek
36. **Modified PCR for Sexing Monomorphic Psittacines**
Lauerma, Lloyd and A. S. Dhillon
37. **Blindness in Broiler chicks due to Retinal Dysplasia**
Shivaprasad, H. L.



38. **Comparison of the Enzyme Linked Immunosorbent Assay for the detection of Antibody to Newcastle Disease between commercial flocks and non-commercial chickens raised in the backyard of poor families from Argentina**
Buscaglia, Celina, Veronica Prio and Miguel Risso
39. **Development of an inactivated Newcastle disease virosome vaccine that protects against challenge from velogenic Texas GB**
Kapczynski, Darrell and Terry Tumpey
40. **Persistence of Avian Pneumovirus in turkeys post-exposure and length of immunity**
Nagaraja, Kakambi, Hyun-Jin Shin, Moses Njenga, David Halvorson and Binu Velayuden
41. **Sequential pathogenesis of experimentally produced infectious proventriculitis: microscopic and ultrastructural changes**
Guy, James and John Barnes
42. **Reo-virus Infections in Broilers in Upper Egypt**
Seif-Edin, Mostafa and Salah Mousa
43. **Sequence analysis of the S3 gene from a novel turkey reovirus**
Sellers, Holly, Stacey Schultz-Cherry, Valrie Simmons, and Darrell R. Kapczynski
44. **Case Report: Reovirus Outbreak in Mississippi**
Magee, Danny, Sue Ann Hubbard, Tim Cummings, Roy Montgomery and William Martin
45. **A Review of Poultry Diseases of Diagnostic Findings in North Alabama**
Kelly, Tami
46. **Resistance Pattern of Salmonella and E. coli strains isolated from poultry**
Mousa, Heba and Salah Mousa
47. **Cellular immune responses to *Salmonella enteritidis* vaccination**
Lillehoj, Hyun, Masashi Okamura, Uma Babu, Richard Raybourne and Robert Heckert
48. **Reducing Infectious Process (Cellulitis) and Scabby Hip in Broilers using Novatek's Microwave Claw processor in the Hatchery**
Bishop, Randall
49. **Effect of Formaldehyde Usage on In-Ovo Injected Eggs**
Throne Steinlage, Sara, Jean Sander and Jeanna Wilson
50. **Oxytetracycline Water Soluble Products: Comparison of Several Characteristics for Various Commercial Products**
Clark, Steven and Bob Kempa
51. **Microbiological challenges of commercial turkey flocks and methods of control**
Karunakaran, Daniel and Thomas Rehberger



European Poultry Conference 2002, Bremen, Germany

From 6-10 September 2002 the 11th European Poultry Conference will gather about 1000 of poultry experts in the Maritim Hotel Congress Centre, Bremen, Germany. The conferences serve as an interface between science, technology and practice and promote the exchange of the latest information from all fields of current poultry research.

In the September conference the ongoing search for sustainable production systems which aim to improve balance between bird welfare, product quality, environment and acceptance by producers and consumers, will find a platform for constructive discussions, which can assist national and European legislators. In addition to the papers from invited speakers a significant number of short communications and

posters are expected. Deadline for abstracts is June 1, 2002.

The 11th European Poultry Conference will feature "Best Poster Awards" to recognize outstanding contributions of young scientists. A total of € 5000 will be shared among the winners.

Professional tours are offered on the beginning and the end of the conference. Every participant can take part in one or two professional tours to different destinations on different days. The tours cover major aspects of poultry production and research, so as primary breeding of layers and vaccine production, egg production and processing, turkeys: hatchery, growout, processing, broilers: growout, feedmill, processing, waterfowl: duck and geese production, poultry research in the Northwest of Germany, organic production of eggs and poultry meat.

The Industry Exhibition will be a major component of the Conference. It will be located in the Foyer Hall at the Congress Centre Bremen. Morning and afternoon coffee breaks will be served in the exhibition area. The Get-together party will follow the Opening Ceremony of the Exhibition in the Exhibition area as well. About 1000 poultry specialists will attend this event.

The Conference will take place at the Bremen Maritim Hotel, Congress Centre. The Conference location, the Free Hanseatic city of Bremen, is the cultural and economic heart of north-west Germany and well known for its 1200 years of history and tradition.

The European Conferences are held every 4 years, between the World Congresses at the World Poultry Science Association (WPSA). Further details for the September conference can be looked up on the conference website www.epc2002.de. Information can be also obtained by Congress Partner Bremen, Birkenstr. 37, D-28195 Bremen, Tel. +49-421-303131, Fax. +49-421-303133, e-mail: registration2@cpb.de.

Companies interested in participating in the Exhibition should contact: Congress Partner GmbH, Christine Kudla, phone: +49-(0)1805-052 613, fax: +49-(0)1805-052 614, e-mail: Kudla@cpb.de

Further information about the WPSA can be obtained at the website: www.wpsa.com



The "Colegio de Medicos Veterinarios de Puerto Rico" 16th Annual Convention - Will be held July 25-28, 2002 at the Westin Rio Mar Beach Resort in Rio Grande, Puerto Rico. Please e-mail cmvpr@prw.net for additional information. Information can also be found at <http://www.cmvpr.org>.

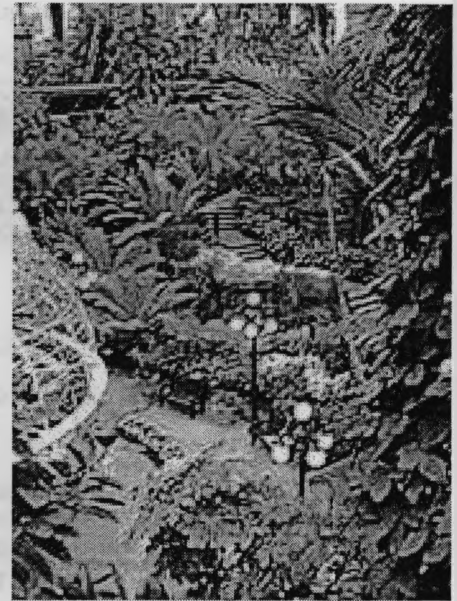
AAV Conference And Expo - To be held August 26-30, 2002 at the Doubletree Hotel in Monterey, CA. For more information please visit the website <http://www.conferenceoffice.com/AAV>, e-mail aav@conferenceoffice.com, or call (303) 756-8380 ext. 12.

North Central Avian Disease Conference - A call for papers to the 53rd Annual North Central Avian Disease Conference, October 6-8, 2002, Minneapolis, Minn., has been issued. Form is available via fax from Sec-Treasurer, Tom Bryan, tele. 812-678-3401. The symposium will address the impact of poultry health and bioterrorism on food safety. The symposium is held the afternoon of Oct. 6 and morning of Oct. 7. Distinguished speakers will cover global trade, emerging diseases and antimicrobial resistance. Graduate student papers, presented Monday afternoon and Tuesday morning, are eligible for the B.S. Pomeroy Award.

The American Association of Zoo Veterinarians Annual Conference - To be held October 6-10, 2002 in Milwaukee, WI. Program sessions include Reptiles and Amphibians, Avian Medicine, Hoofstock, Carnivores, Primates, Case Reports, Aquatic Animals, Pathology, Conservation Medicine, Emerging Diseases, Reproduction and Contraception, Behavior, Enrichment and Conditioning, and Biomaterial Banking. For more information, please visit the website www.aazv.org or contact Randy Junge, DVM, St. Louis Zoo, Forest Park, St. Louis, MO 63110. Phone (314) 768-5487. Fax (314) 768-5454. E-mail: rejunge@aol.com.

The Poultry Service Industry Workshop - To be held October 8-10, 2002 at the Banff Centre, Banff, Alberta Canada. For more information, please contact Karen Mann, Safe Food Assurance Systems Branch, 3rd Floor O.S. Longman Building, 6909-116th Street, Edmonton, Alberta T6H 4P2, Canada. Phone (780) 427-6629. Fax (780) 427-1437. E-Mail karen.mann@gov.ab.ca.

National Poultry Waste Management Symposium - To be held October 28-30, 2002 at the Sheraton Birmingham Hotel, Birmingham, AL. The symposium will communicate the latest technology and information regarding poultry waste management. Topics include: Social Considerations, Waste and Nutrient Management, Regulatory and Air Quality Issues, Challenges and Opportunities of Alternative Use Technologies and Processes, and Water and Wastewater Processing. For more information please contact Richard Reynnells, USDA/CSREES/PAS, 800 9th Street, SW, Room 3702 Waterfront Center, Washington, DC 20250. Phone (202) 401-5352. Fax (202) 401-6156. E-mail rreynnells@reeusda.gov.



*The Garden Conservatory at the
Gaylord Opryland Resort*



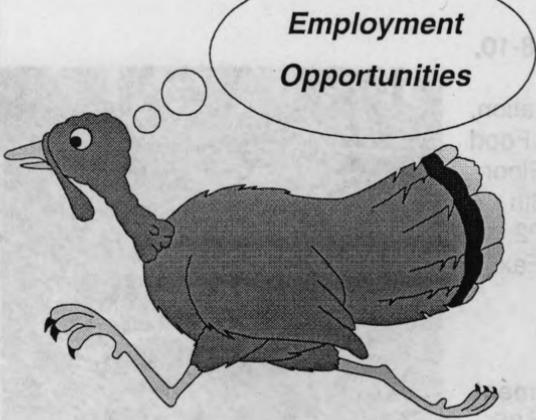
A color atlas and text on AVIAN INFLUENZA

A color atlas with description of the clinical, gross and microscopic findings observed during the 1999-2000 H7N1 Italian avian influenza epidemic, including diagnostic procedures,

managing of outbreaks and current European legislation. Text and legends in English and Italian and legends in Spanish.

The atlas has 236 pages, 106 color images and a CD-Rom.

Order by e-mail: gigivero@tin.it. Also available at www.internetbookshop.it.



**Employment
Opportunities**

VETERINARY MEDICAL OFFICER POSITION AVAILABLE

The USDA-Agricultural Research Service, Avian Disease and Oncology Laboratory in East Lansing, Michigan, is seeking a Veterinary Medical Officer to conduct research aimed at a better understanding and control of Marek's disease, an economically important herpesvirus-induced lymphoproliferative disease of chickens. The incumbent works as a member of a team and as an independent investigator in studies focused on the immunopathogenesis, diagnosis and control of Marek's disease. Specific objectives of the research include: monitoring disease incidence in commercial flocks; development of improved methods for tumor diagnosis; evaluation of factors that influence the induction and maintenance of protective immune responses; biological characterization of recombinant Marek's disease viruses carrying deletions or inserted foreign DNA; and development of improved biological assays for vaccine efficacy, pathotype

evaluation and other animal bioassays. The research is expected to provide information essential to the control of Marek's disease.

Applicants must have a Doctor of Veterinary Medicine (D.V.M.) or equivalent degree at a school approved or accredited by the American Veterinary Medical Association, a State department of education, or a State Board of Veterinary Medical Examiners. **In addition**, applicants must have 1 year of specialized experience as indicated in the vacancy announcement; applicants at the GS-12 can also qualify with either a Ph.D. or equivalent doctoral degree in a field of veterinary or related science. Applicants must be U.S. citizen. Salary for GS-12 ranges from \$54,275 to \$70,555; GS-13 salary ranges from \$64,542 to \$83,902; GS-14 salary ranges from \$76,271 to \$99,150 depending on experience. Closing date of this announcement is June 28, 2002. Call 301-504-1482 to request a copy of **ARS-X2W-2311** or access website www.ars.usda.gov; call 301-504-1556 for information on application procedures. For specific questions about the position call **Dr. Aly Fadly at 517-337-6828**. **USDA/ARS is an equal opportunity provider and employer.**

FACULTY POSITION IN ANIMAL HEALTH GENOMICS

Assistant Veterinarian (50%) in the Department of Population Health and Reproduction and Assistant Specialist (50%) in Veterinary Medicine Extension. DVM or equivalent veterinary degree is required. PhD or other advanced research training is preferred. Background in animal health genomics; documented record or potential to develop an independent research program; demonstrated ability or potential in acquisition of extramural funding; evidence of or potential for leadership and initiative. Must possess excellent interpersonal and communication skills to work with others in a collegial team atmosphere.

Didactic instruction of DVM or graduate students is not an integral part of this position, although mentoring of graduate students in areas of mutual research interest is anticipated. Extension responsibilities include state-wide teaching and information transfer to audiences outside of the university including farm advisors, specialists, poultry producers and groups, practicing veterinarians, research scientists, public policy and public health officials, consumers, and other interested parties.

Department research expectations include independent research in animal health genomics (e.g., disease resistance, health/productivity associations, use of transgenics to improve animal health) and to publish results of that research in peer-reviewed journals. Extension research expectations include activities addressing industry and public needs in the areas of animal health genomics.

For a full position description see: <http://www.vetmed.ucdavis.edu/PHR/genomics.html>

Qualified applicants should submit a letter of intent (outlining special interest in the position, overall related qualifications and experience, career goals/plans, and a brief description of how they will develop an effective program to meet the job's responsibilities), a curriculum vitae, and the names and addresses of three references to Dr. R.H. BonDurant, Chair (Attention Linda Bentley), Department of Population Health and Reproduction, School of Veterinary Medicine, University of California, Davis, CA 95616. To receive fullest consideration, applications must be received by July 31, 2002; position open until filled.

The University of California, Davis, is an affirmative action/equal opportunity employer.



**Senior Executive Service Vacancy Announcement
United States Department of Agriculture
Animal and Plant Health Inspection Service**

Position Title, Series, Grade:

Director, Western Region, Wildlife Services
ES-0401, SES Career Reserved
Salary Range: 113,000-130,000
w/Locality Pay: \$122,763-\$138,200

Announcement Number:

APHIS-SES-02-05

Opening Date: June 4, 2002

Closing Date: July 8, 2002

Location of Position:

Animal and Plant Health Inspection Service
Wildlife Services
Fort Collins, CO

Contact:

Tracey H. Brown/Lillie F. Westbrooks
USDA, Marketing & Regulatory
Programs/Human Resources Service
Enhancement Branch/Room 1724-S
Telephone: (202) 720-3010/(202) 690-3014
Fax (202) 720-5703

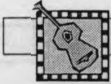
Area of Consideration: ALL QUALIFIED PERSONS

DUTIES: As Director of the Western Region of Wildlife Services (WS), the incumbent of this position has line responsibility for the operation of the Wildlife Services programs in nineteen western states and the Pacific Rim Islands. The incumbent, participates with the Deputy Administrator, Wildlife Services, in the formulation, administration, and monitoring of the mission, goals, policies, and strategic planning of the Animal and Plant Health Inspection Service (APHIS) programs oriented to the Nation's agricultural, natural resources, property, and human health and safety from damage by wildlife. Directs an aerial operations program of over 50 aircraft throughout the Western Region. Oversees the radio management system throughout the Western Region including coordination, procurement, evaluation, frequency management, and sharing by other State, Federal and local agencies. The incumbent plans and develops overall objectives, policies, and procedures essential to implementing program and policy objectives. The incumbent represents the Deputy Administrator and other senior officials in APHIS at meetings and conferences; formulating programs within the region; participating with government, industry, and interested individuals to encourage cooperation in control activities of the Agency. Provides leadership in negotiations with cooperating federal and state officials, foreign officials, industry groups, special interest groups, and individuals in the development, revision, and adoption of agreements to effect cooperative wildlife damage management programs within the region. The incumbent is responsible for the internal organization and overall operation of the wildlife damage management programs in the region.

Poultry Veterinarian

The Department of Veterinary Pathology invites applications from veterinarians for an extension position working with poultry. The position is funded by the Saskatchewan Poultry Industry. It is based at the University of Saskatchewan and supervised by faculty members of the Departments of Veterinary Pathology and Animal and Poultry Science. The primary duties of the candidates will include monitoring performance of commercial flocks and working to improve production. The candidate will be expected to write extension notes and conduct extension and industry meetings. Some administration related to the extension program may be required. A knowledge of the poultry industry and avian medicine is essential, and an ability to work with computers will be desirable. The candidate should be eligible for licensure in Saskatchewan. Applications should include a curriculum vitae and the names of three references.

Address Applications and inquiries to: Dr. H. Classen, Dept. of Animal and Poultry Science, Agriculture Building, 51 Campus Drive, University of Saskatchewan, Saskatoon, Saskatchewan, S7N 5A8, Canada. Phone (306) 966-6600. Fax (306) 966-4560. E-mail hank.classen@usask.ca.



**USDA
RESEARCH, EDUCATION, AND ECONOMICS
Agricultural Research Service
VACANCY ANNOUNCEMENT
Research Position**

Announcement Type: ALL SOURCES/ALTERNATIVE MERIT PROMOTION

Position Title: Veterinary Medical Officer

Series/Grade: GS-0701-11/12/13

Salary: GS-11: Salary range from \$45,285 - \$58,867 per annum

GS-12: Salary range from \$54,275 - \$70,555 per annum

GS-13: Salary range from \$64,542 - \$83,902 per annum

Type of Appointment: Permanent, Full-time

Location of Position: Virus and Prion Diseases of Livestock Research Unit, Ames, Iowa

Announcement Number: ARS-X2W-2268

Opening Date: May 13, 2002

Closing Date: **Open until filled** - First cutoff date is July 1, 2002/ second cut-off date is August 5, 2002
third cut-off date is September 2, 2002/fourth cut-off is October 1, 2002

Area of Consideration: All U.S. Citizens

APPLICATIONS WILL BE ACCEPTED FROM USDA SURPLUS AND FEDERAL DISPLACED EMPLOYEES
IN THE COMMUTING AREA.

DUTIES: The Virus and Prion Diseases of Livestock Research Unit conducts basic and applied research on the pathogenesis, prevention and diagnosis of viral and prion diseases in food-producing animals. The incumbent is assigned to the Bovine Spongiform Encephalopathy (BSE) and Other Transmissible Spongiform Encephalopathies (TSE) project. The incumbent works as a team member and as an independent investigator in studies concerned with assessing the interspecies transmission of TSEs, including BSE, among livestock and cervids; develops and evaluates methods for differentiation of TSE strain types and correlates these parameters with ruminant and cervid susceptibility; and investigates the pathobiology of TSEs, both in the natural host and after interspecies transmission.

A PRE EMPLOYMENT BACKGROUND INVESTIGATION IS REQUIRED.

QUALIFICATIONS: Degree: Doctor of Veterinary Medicine or equivalent degree at a school approved or accredited by (a) the American Veterinary Medical Association (AVMA), (b) a State department of education, or (c) a State Board of Veterinary Medical Examiners.

For More Information Contact: USDA, Agricultural Research Service, Human Resources Division-Western Services Branch, Attn: G. Snipes - ARS-X2W-2268, 5601 Sunnyside Ave, Beltsville, MD 20705-5106. Phone (301) 504-1582.

