



AAAP SUMMER NEWSLETTER

June 1999

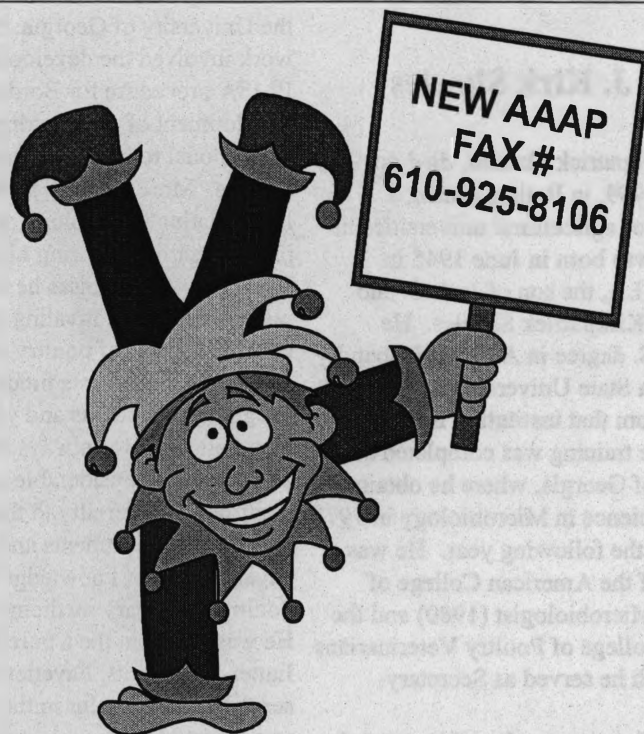
FYI

The meetings of the AAAP Board of Directors will be all day Friday, July 9 and Saturday, July 10 and again on Wednesday morning, July 14 in the Melrose Room at the Hilton Hotel. All members are welcome to attend.

The AAAP Business Meeting will be on Tuesday, July 13 at 10:30 AM in room R02-3 in the Convention Center

There will be refreshments in the poster room each day at 7:30 AM. Please come to room R01 in the Convention Center and enjoy!

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



Kenneth Eskelund Fund Established

The AAAP Foundation has been named as the beneficiary of a \$100,000 endowment as part of a Charitable Remainder Unitrust established by Ken Eskelund of Winslow, Maine. Ken believes that his long association with AAAP has been a big factor in his professional life and wants to give something back to the association. In addition, he states that his planned giving, as part of his estate planning is an excellent investment in his financial planning for his own future as well as the future of AAAP (like killing two birds with one stone). Ken has agreed to briefly discuss this subject at the AAAP business meeting and to prepare a more detailed written review for members that are interested in more information.

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A SAD NOTE

Dr. J. Kirk Skeeles

John Kirkpatrick Skeeles, died on March 21, 1999, in Beijing during a lecture tour of agricultural universities in China. He was born in June 1945 in Alexandria, LA, the son of Jack C. and Ella Maude Kirkpatrick Skeeles. He earned a B.S. degree in Animal Husbandry at Oklahoma State University in 1967 and a D.V.M. from that institution in 1969. His graduate training was completed at the University of Georgia, where he obtained a Master of Science in Microbiology in 1977 and a Ph.D. the following year. He was a diplomate of the American College of Veterinary Microbiologist (1980) and the American College of Poultry Veterinarians (1992) which he served as Secretary-Treasurer.

Dr. Skeeles was employed in general veterinary practice during 1968 and 1969 before serving full-time in the military in various posts in the USA and Europe through 1975 when he entered graduate school. On completion of the doctoral program he was appointed to the faculty of the University of Arkansas and was actively involved in teaching, research and service. He held the rank of Professor in the Center for Poultry Excellence in the College of Agriculture at the time of his passing.

He had a distinguished career in the military extending from 1966 onwards as a veterinarian and later in the Civil Military Task Force. In this capacity he served in Operations "Desert Shield", "Desert Storm" and "Provide Comfort" and was later mobilized to provide assistance in Bosnia during 1996 and 1997. He contributed to the economic reconstruction of food animal agriculture in Bosnia following the civil war and was instrumental in administering a \$3 million US AID grant to reestablish 17 poultry operations in the Federation.

His accomplishments included pivotal research on the pathogenesis and serology

of Infectious Bursal Disease under the mentoring of Drs. Lukert and Fletcher at the University of Georgia. Subsequent work involved the development of an ELISA procedure for Bordetella and the development of a hemorrhagic enteritis virus model to investigate colibacillosis in turkeys. More recently he was involved in investigating the etiology of proventriculitis. During his tenure at the University of Arkansas he was instrumental in motivating students to excel in aspects of poultry science and was an acknowledged role model and advisor for graduate students and younger faculty members. He was always ready to assist and share his considerable experience and contributed materially to the success of colleagues and students and the advancement of knowledge in the area of poultry veterinary medicine. He was active in the Church of Christ, Latter-Day Saints, Fayetteville, where he served as a counselor in the bishopric and as a Scout Master.

He was a member of the AVMA, AAAP, WVPA, Sigma Xi and Gamma Sigma Delta. He was the recipient of a number of military awards for humanitarian service and achievement, including the Bronze Star and the Defense Meritorious Service Medal. At the time of his death he held the rank of Lt. Colonel.

His untimely passing shortened a career devoted to service to the University of Arkansas, the profession and community. His contribution to poultry veterinary medicine and society will be sadly missed but his ideals will continue through his students, colleagues and fellow church members. He will be mourned, not only by his family and colleagues, but by all those he assisted in Northern Iraq and the Balkans.

He is survived by his wife, Carol Skeeles, who assisted him with secretarial duties for the ACPV, two daughters and sons-in law, four grandchildren and his son, John K. Skeeles, Jr., currently serving as a missionary in Santiago, Chile.

He was buried in Fayetteville with full military honors on Saturday, March 27, 1999.

Memorials may be made in the name of Dr. J. Kirk Skeeles to: American Association of Avian Pathologists, 382 West Street Road, Kennett Square, PA 19348 or Agricultural Development Council, PO Box 2219, Fayetteville, AR 72702 (please specify J. Kirk Skeeles Memorial Scholarship).

Dr. Edward Earl Stuart

Dr. Edward Earl Stuart of Gainesville died March 22, 1999 at North Florida Regional Medical Center after a short illness. He was 68.

Dr. Stuart was a veterinarian. He was president of AVM International, an exporting company, and provided veterinary consulting work in the Caribbean and South America.

Born in Lancaster, CA, he lived in Miami for 25 years before moving to Gainesville nine months ago.

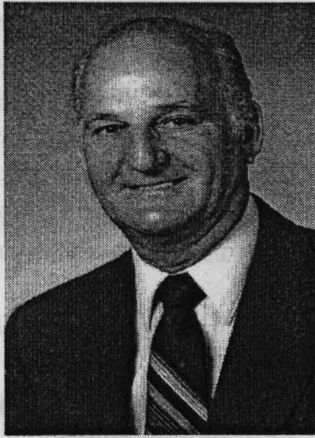
He graduated from the School of Veterinary Medicine at the University of California in Davis in 1956. Dr. Stuart was a member of the American Veterinary Medical Association and a member of the American Association of Avian Pathologists.

Survivors include his wife, Joan Perrault Stuart of Gainesville; two daughters, Ann Shoemaker of Peachtree City, GA and Kristine Colver of Bellingham, WA; three sons, Eric Stuart of Key Biscayne, Kevin Stuart of Bay St. Louis, MS, and Kyle Stuart of McIntosh; two brothers, Donald Stuart of Saugus, CA and Lee Stuart of Lancaster, CA; and six grandchildren.





Dr. Harry W. Yoder Jr.



Harry W. Yoder, Jr., 70, of 360 Brookwood Drive, Athens, GA, died May 27.

Born Aug. 2, 1928 in Chicago, IL, Dr. Yoder was the son of the late Harry W. And Mary Hurst Yoder, Sr. He grew up in Mt. Morris, IL. He received a BS degree in 1950 from the University of Illinois and a DVM degree in 1954 from Iowa State

University. He served 2 years at the Walter Reed Institute of Research in Washington, DC and then returned to Iowa State University and received his PhD in Microbiology in 1963.

In 1965 the family moved to Athens where Dr. Yoder was employed as a Research Veterinarian at the USDA-ARS-Southeast Poultry Research Laboratory serving as project leader for mycoplasma research for 28 years. As a member of the American Association of Avian Pathologists, he served on the Board of Directors for 8 years and was elected president in 1976. Dr. Yoder also served as a member of the Mycoplasmosis committee for more than 20 years and served on the Editorial Board of *Avian Diseases* from 1967-73. In 1965, he received the P.P. Levine Award for the best paper published in "*Avian Diseases*" and was elected to life membership in 1991. He was a co-editor of four editions of "*Diseases of Poultry*".

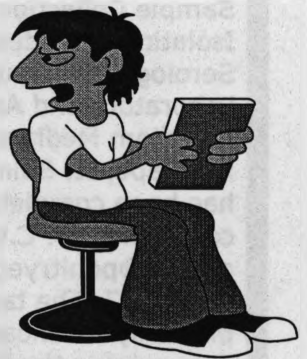
After retiring, Dr. Yoder had more time to devote to the other important things in his life: fishing, woodworking and carving; helping family and friends; collecting and restoring antiques; and even making unsolicited deliveries of fresh-picked strawberries and blueberries in his 1966 green pick-up truck.

Survivors include his wife, Pat Yoder of Athens; a daughter, Janet Yoder-Lesslie of Rock Hill, SC; two sons, Greg Yoder and Mike Yoder, both of Athens; a brother, Robert Yoder of Schenectady, NY; and two grandchildren, Thomas Yoder and Sarah Yoder, both of Athens.

Memorial contributions may be made to: the Athens Area Food Bank, 640 Barber St., Athens, GA 30601; the Athens Newspapers' Empty Stocking Fund, PO Box 912, Athens, GA 30603; The American Association of Avian Pathologists Foundation, 382 West Street Road, Kennett Square, PA 19348; or a charity of your choice.

EDUCATIONAL OPPORTUNITY

Poultry Medicine Residency/Graduate Student Position - Department of Veterinary Preventive Medicine, The Ohio State University is seeking applicants interested in an enhanced post-veterinary education in poultry medicine. The applicants will participate in a combined Residency in Poultry Medicine and Master's degree program in Veterinary Preventive Medicine. Successful completion of this 2-year program will result in certification of a Residency and a Masters of Veterinary Preventive Medicine degree. The goal of the program is to provide specialized training to veterinarians seeking employment within the poultry industry by providing clinical and diagnostic poultry medicine skills and training to the candidate together with a research emphasis. The program will also enhance the candidate's eligibility for certification by the American College of Poultry Veterinarians. The candidate is expected to participate in field investigations and research related to poultry production, gain skills in performing and interpreting diagnostic tests in poultry production, participate in teaching and other activities of the College of Veterinary Medicine related to poultry medicine. Ohio has all facets of the commercial poultry industry (layer, broiler, and turkey) at both the market and breeder levels. Opportunities to work with other avian species-ratites, gamebirds, and waterfowl are also available to the candidate to provide a broad-based avian experience. The candidate will be a member of a team that provides health care to the poultry industry. Team members are from the Colleges of Veterinary Medicine and Food Agricultural, and Environmental Sciences, the Ohio Department of Agriculture, and the Ohio Poultry industry. Applicants must submit: (1) a letter of intent, (2) transcripts, (3) curriculum vitae, and (4) 3 letters of recommendation. Applicants should apply and must be admitted into the department's graduate studies program. Please send application packets or direct further questions to: Dr. Teresa Y. Morishita, Department of Veterinary Preventive Medicine, The Ohio State University, 1900 Coffey Road, Columbus, OH 43210 (phone 614-292-1206; fax 614-292-4142; e-mail: morishita.1@osu.edu).

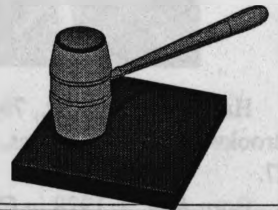


The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, Vietnam-era Veterans, disabled veterans and individuals with disabilities are encouraged to apply.



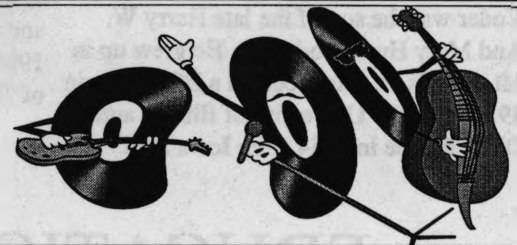
Dr. Arthur A. Bickford of Turlock was installed as President of the Western Veterinary Conference at the organization's 71st Annual Conference held at the Las Vegas Hilton and Riviera Hotels in Las Vegas February 14 to 18, 1999. The Western Veterinary Conference is one of the largest and most long-standing veterinary continuing education conferences hosting approximately 5,000 veterinarians, 2,000 technicians and a total attendance of over 10,000. The program includes over 150 speakers offering 700 hours of lectures to veterinarians and 110 hours to technicians as well as an Exhibit hall accommodating 400 exhibitors. Dr. Bickford's presidency culminates over two decades of active involvement with the Conference and follows service on the Board of Directors and as Program Coordinator, Interim Executive Director, Vice President and President-Elect.

Dr. Bickford is Professor of Clinical Diagnostic Pathology in the School of Veterinary Medicine at UC Davis and Associate Director of the California Veterinary Diagnostic Laboratory System. He is a graduate of the School of Veterinary Medicine, University of Pennsylvania and holds graduate degrees in veterinary pathology from Purdue University. He is a diplomate of the American College of Veterinary Pathologists and a founder diplomate of the American College of Poultry Veterinarians.



New Salmonella Video Series

The U.S. Poultry & Egg Association has funded the production of a 3-part video series on poultry Salmonella. The three videotapes will deal with: I. Sample Collection and Handling; II. Salmonella Isolation and Identification; and III. Salmonella Serology. Dr. Doug Waltman, Georgia Poultry Laboratory and Andy Rhorer, NPIP, along with Paradigm Media are preparing the videotapes. The first tape, II. Salmonella Isolation and Identification, has been completed and may be obtained by contacting Dr. C.W. Beard at US POULTRY: E-mail: cbeard@poultryegg.org or Fax: 770-493-9257. The tapes are intended primarily for those engaged in determining the Salmonella status of poultry.



Book News

Salmonella enterica serovar Enteritidis in Humans and Animals

Epidemiology, Pathogenesis and Control
Editor in Chief: A.M. Saeed

Associate editors: Richard K. Gast, Morris Potter, and Patrick G. Wall

An international team of 84 scholars and scientist, many of whom head epidemiology and public health organizations, has contributed to this thorough investigation of *Salmonella enteritidis* as it is occurring and being combated around the world.

More than 135 figures (115 line illustrations, 17 black and white and 7 color photographs) plus 98 tables complement information in the book, which is intended for use internationally.

The book is available for \$159.95 from Iowa State University Press, 2121 S. State Avenue, Ames, IA 50014. Phone (800) 862-6657; (515) 292-0155; Fax (515) 292-3348.



20th Annual Conference and Expo of the Association of Avian Veterinarians - to be held August 31 - September 4 in New Orleans, LA. For more information, contact the conference office at 2121 S. Oneida St, Suite 325, Denver, CO 80224. Phone: (303) 756-8380. Fax: (303) 759-8861.

World Vet 99 - will be held September 23-29, 1999 in Lyon, France. Two world congresses: The WVA Congress and The WSAVA/FECAVA Congress are jointly organized. For more information, contact CNVSPA (AFVAC), 40 Rue de Berri, F-75008 Paris, France. Phone 33-1-53-839160 or fax 33-1-53-839169.

The Association of Zoo Veterinary Technicians - will be hosting their 19th annual conference to be held on September 24th thru September 30th, 1999 at the Indianapolis Zoo. For conference information please contact: Julie Hutt, RVT, Indianapolis Zoo, 1200 West Washington Street, Indianapolis, IN 46222. Phone: 317-630-2090. Fax: 317-630-5154. E-mail: jhutt@mail.indyzoo.com

The 50th North Central Avian Disease Conference - To be held October 3-5, 1999 in Minneapolis, MN. This meeting will mark the 50th anniversary of the Conference and it will be dedicated to Dr. Ben Pomeroy, one of the charter members. The symposium this year will address Emerging Respiratory Diseases. It will be held during the afternoon of October 3rd and morning of October 4th. Numerous distinguished experts will speak on avian pneumoviruses, *Ornithobacterium rhinotracheale* and variants of infectious bronchitis. Hotel Information: A block of rooms is reserved at the Minneapolis Airport Hilton. Please contact the Hilton directly to make your reservations. Be sure to mention you are with the NCADC in order to receive the group rate. Phone 612-854-2100; Fax 612-854-8002. For more information contact Dr. Dan Shaw, Program Chairperson, 612-625-4256 or Dr. Dave Halvorson, Secretary-Treasurer, 612-625-5292.

Call for Papers - Deadline for submission of title and paper description is June 18, 1999. Acknowledgment will be sent by July 16, 1999. Complete abstracts for the proceeding are due August 15, 1999. Mail or fax completed form



to: Sarah Summerbell, University of Minnesota, 1365 Gortner Ave. 440 VTH, St. Paul, MN 55108. Fax 612-625-5755

The American Association of Zoo Veterinarians - will hold its annual conference in Columbus, Ohio on October 9-14, 1999. Program sessions include avian medicine, primates, small mammals/carnivore, nutrition, large mammals/hoofstock, reptilian and amphibian medicine, infectious diseases, reproductive technologies/contraception, ethics, imaging, gerontology and case reports. There will also be a poster session, veterinary student and resident/graduate student paper competitions, and workshops/wet labs. A new feature this year will be the presentation of three master class sessions. For more information, please contact Dr. Michael Barrie, Oklahoma City Zoo, 2101 NE 50th, Oklahoma City, OK 73013. Phone (405) 425-0249. Fax: (405) 425-0207. E-mail mbarrie@okczoo.com.

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



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JOB OPPORTUNITIES

New Tenure Track Faculty Position - The University of Tennessee College of Veterinary Medicine is seeking applicants for a new tenure track faculty position in poultry medicine. The position is in the Department of Comparative Medicine. Candidates must have a DVM degree and be certified by the American College of Poultry Veterinarians (or board eligible). An advanced degree in poultry medicine is highly desirable. The position is 50% research and 50% service/teaching. The successful candidate will be expected to develop a food safety research program at the processing and/or production level. Epidemiology and/or HACCP (Hazard Analysis Critical Control Points) experience and training is highly desirable. Service components of the position will include diagnostic duties in collaboration with existing diagnosticians of the College. Duties may include field service in support of commodity, consumer, university extension and industry groups. Teaching will be assigned within the professional and graduate curriculum. The position is a full-time, tenure track position at the Assistant or Associate Professor level. Salary is commensurate with qualifications. Inquiries and/or applications (letter of interest and a curriculum vitae) should be sent to Dr. John C. New, Jr., Chair, Search Committee, Department of Comparative Medicine, Box 1071, Knoxville, TN 37901-1071, (423) 974-5576, e-mail: jnew@utk.edu. Applications will be considered until an appropriate candidate is found.

The University of Tennessee does not discriminate on the basis of race, sex, color, religion, national origin, age, disability, or veteran status in provision of educational programs and services or employment opportunities and benefits. This policy extends to both employment by and admission to the University. The University does not discriminate on the basis of race, sex, or disability in the education programs and activities pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990. Inquiries and charges of violation concerning Title VI, Title IX, Section 504, ADA or the Age Discrimination in Employment Act (ADEA) or any of the other above referenced policies should be directed to the Business Office, 218 Morgan Hall, (423) 974-7275. Requests for accommodation of a disability should be directed to the ADA Coordinator at the above address.

Endowed Professorship - The Poultry Science Department, Penn State is seeking applicants for the Walther and Maxine Ott Professorship in Undergraduate Poultry Education. This is an Associate Professor or Professor tenure track position with an appointment or 70% resident education and 30% research or extension. The successful applicant will develop a comprehensive program focusing on novel and creative ways to educate and advise students who are interested in a poultry science career and are enrolled in the new interdepartmental Animal Sciences major. Resident Education responsibilities will include developing an introductory animal biology course to be offered via traditional and distance education methods and teaching an advanced undergraduate course in an area of his/her expertise. The Ott Professor will provide leadership in undergraduate recruiting efforts and coordinate internship and career opportunities with the poultry industry. Research or Extension responsibilities will complement departmental teaching activities in avian biology, animal management, and meat and egg science. The successful candidate must have a PhD in Poultry Science, Animal Science, or a closely related field. A record of scholarship and excellence in teaching and in either research or extension is required. Experience with multimedia and distance education technology is desirable. Salary is commensurate with qualifications and experience. An attractive benefits package is available. Qualified persons should submit a letter of application, statement of teaching and research/extension interests, complete curriculum vitae, and the names, addresses, telephone numbers, and e-mail addresses of three professional references to: Dr. W.B. Roush, Chair, Ott Professorship Search Committee, Department of Poultry Science, 220 Henning Building, Dept. AVDI, University Park, PA 16802, Phone (814) 863-0655; e-mail: wbr@psu.edu. Application deadline is August 15, 1999 or until the position is filled. AA/EOE



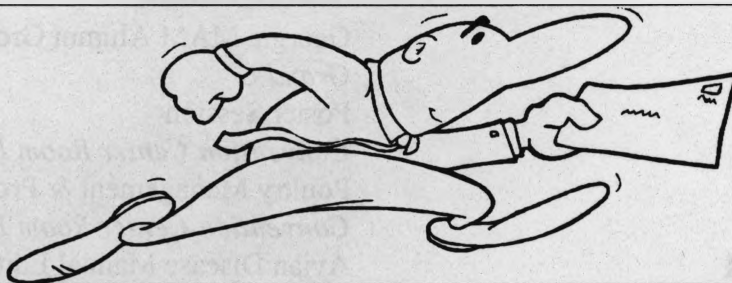
Clinical Assistant Professor in Poultry Health Management (non-tenure track) - The Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University is seeking applicants for this three year term subject to reappointment.

Qualifications: 1). Recognized DVM or equivalent veterinary degree is required. 2). Specialty board certification by the American College of Poultry Veterinarians, or advanced degree (e.g. in microbiology, pathology, or epidemiology), or equivalent experience working in the poultry industry is required. 3). The candidate should have teaching and/or practical experience relevant to the poultry industry. 4). Effective communication and interpersonal skills with students, colleagues, clients, and poultry industry personnel are essential.

Responsibilities: 1). Support the poultry industry and help reduce the threats posed by new and emerging diseases. 2). Work with researchers and clinicians and with poultry industry personnel at all levels in order to facilitate the knowledge transfer essential for the continued economic productivity of the poultry industry in North Carolina. 3). Provide clinical veterinary services to the poultry industry and participate in Poultry Health Management field service activities. 4). Conduct and collaborate on Poultry Health Management research projects on new and emerging diseases. 5). Assist with didactic, laboratory, and clinical instruction of College of Veterinary Medicine students and training of residents and graduate students; and participate in continuing education programs.

Application: 1). Submit a letter of intent, curriculum vitae and official transcript or certification of degree(s) together with the names of at least three (3) references to Dr. M. C. Roberts, Head, Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University, Raleigh, NC 27606. Fax: 919-513-6240. 2). Position is available from July 1, 1999.

North Carolina State University is an Affirmative Action/Equal Opportunity Employer. Individuals with disabilities desiring reasonable accommodations in the application process should contact Gerri Brooks, Department of Food Animal and Equine Medicine, College of Veterinary Medicine, North Carolina State University (gerri_brooks@ncsu.edu, phone 919-513-6240, fax 919-513-6464, TTY 919-515-9617).



Poultry Health Laboratory Veterinarian - The Poultry Health Laboratory of the Center of Excellence for Poultry Science, University of Arkansas, is seeking applications for a veterinarian to fill a tenure track position at the Assistant, Associate, or Professor level. The position requires a DVM or equivalent degree from an accredited college of veterinary medicine and a PhD in a field of study relevant to work assignment. Demonstrated ability and understanding of Poultry Veterinary Medicine with experience in applied and/or basic research appropriate for the level of professorial rank of the candidate is required. Board certification or eligibility is desirable. The duties and responsibilities of the position include Directorship of the Poultry Health Laboratory of the Center of Excellence for Poultry Science and overseeing the general operations of the laboratory. In addition, the successful candidate will be expected to develop and maintain an independent research program in poultry health and teach in undergraduate and graduate poultry courses. The Poultry Health Laboratory is a 12,000 square foot building with 7 animal suites, bacteriology, necropsy, and virology laboratories for poultry disease research. The Center of Excellence for Poultry Science consists of 22 faculty with advanced graduate degrees. The Poultry Science Center is a university wide program that also includes 6 scientists from the USDA Poultry Production and Product Safety Research Unit. The Department of Poultry Science and affiliated USDA scientists are currently housed in a newly opened (July 1995) 112,000 square foot office/laboratory complex located on the campus of the University of Arkansas, Fayetteville. Undergraduate, MS, and PhD programs are offered by the department. Interested applicants should send a letter of application, current resume (including bibliography), copies of college transcripts, and arrange to have three letters of reference sent to Dr. James H. Denton, Director, Center of Excellence for Poultry Science, University of Arkansas, Fayetteville, AR 72701. Application deadline is September 15, 1999 or until a suitable candidate is identified. The filing deadline may be extended without notice. For more information about this position, please contact Dr. Dustan Clark at 501-575-3250. *The University of Arkansas is an affirmative action/equal opportunity employer.*



**AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS
SCHEDULE OF EVENTS
HILTON HOTEL, NEW ORLEANS, LOUISIANA**

FRIDAY, JULY 9

8:00 AM-7:00 PM

Board of Directors Meeting
Melrose Room

SATURDAY, JULY 10

8:00 AM-7:00 PM

Board of Directors Meeting
Melrose Room

9:00 AM-6:30 PM

ACPV Exam
Oak Alley

SUNDAY, JULY 11

7:00 AM-8:00 AM

Awards Committee
Trafalgar Room

7:00 AM-8:30 AM

History Committee
Newberry Room

7:30 AM-8:30 AM

Georgia MAM Alumni Group
Grand C

7:30 AM-5:30 PM

Poster Session

8:00 AM-5:00 PM

Convention Center Room R01
Poultry Management & Production Symposium
Convention Center Room R02-3

12:15 PM-1:15 PM

Avian Disease Manual Editorial Committee
Norwich Room

12:15 PM-1:15 PM

Membership Committee
To be announced

3:00 PM-7:00 PM

ACPV Board Meeting
Durham Room

5:30 PM-6:30 PM

Biotechnology Committee
Jasperwood Room

MONDAY, JULY 12

7:00 AM-8:00 AM

Veterinary Licensing Committee
To be announced

7:00 AM-8:00 AM

Avian Diseases Editorial Board
Jasperwood Room

7:00 AM-8:00 AM

Preceptorship Committee Meeting
Windsor Room

7:00 AM-8:00 AM

Epidemiology Committee
Durham Room

**MONDAY, JULY 12 cont.**

7:00 AM-8:00 AM

7:30 AM-5:30 PM

8:00 AM-5:00 PM

8:00 AM-5:00 PM

Noon-2:00 PM

2:00 PM-6:00 PM

6:00 PM-7:30 PM

TUESDAY, JULY 13

7:00 AM-8:00 AM

7:00 AM-8:00 AM

7:00 AM-9:00 AM

7:30 AM-5:30 PM

8:00 AM-5:00 PM

8:00 AM-5:00 PM

10:30 AM-12:00 noon

12:00 PM-1:00 PM

12:00 PM-1:30 PM

5:00 PM-7:00 PM

5:30 PM-7:00 PM

6:00 PM-7:00 PM

AVMA/AAAP Liaison Committee

To be announced

Poster Session

Convention Center Room R01

Scientific Program Session A

Convention Center Room R02-3

Scientific Program Session B

Convention Center Room R04-5**AAAP Awards Luncheon*****Versailles Room***

ACPV Board Meeting

Chequers Room

Biologics Committee

Prince of Wales Room

Animal Welfare and Management Committee

Trafalgar Room

Drugs and Therapeutics Committee

Chequers Room

ACPV Reception

Grand C

Poster Session

Convention Center Room R01

Scientific Program Session A

Convention Center Room R02-3

Scientific Program Session B

Convention Center Room R04-5**AAAP BUSINESS MEETING*****Convention Center Room R02-3***

Diseases of Poultry Editorial Board

Chequers Room

California Poultry Group

Marlborough B

Long Range Planning Committee

To be announced

Respiratory Diseases Committee

Marlborough A

Tumor Virus Committee

To be announced



WEDNESDAY, JULY 14

7:00 AM-11:00 AM

Board of Directors Meeting

Melrose Room

7:30 AM-Noon

Poster Session

Convention Center Room R01

8:00 AM-Noon

Scientific Program Session A

Convention Center Room R02-3

8:00 AM-Noon

Scientific Program Session B

Convention Center Room R04-5





Program
Poultry Management and Production Symposium
Sunday, July 11, 1999
Convention Center, Room R02-3

8:00 am **Welcome** Y. Ghazikhanian

Moderators: Gregorio Rosales & George Rowland

8:05 am Introduction of Symposium M. Hammarlund

Synergism Among the Disciplines

8:10 am	The Leadership Role of the Veterinarian in Food Animal Welfare	F. Loew
8:40 am	Poultry Well-being: Synergy of Research, Industry and Avian Medicine	A. Pescatore
9:10 am	Poultry Welfare: Meeting of Science and Sensibility	J. Mench
9:30 am	Open discussion with all speakers from first morning session	
9:40 am	Break	

Moderators: John McCarty & Hugo Medina

Ramifications for the Industry and Poultry Veterinarians

10:00 am	Current State of Poultry Welfare in the European Community	M. Pattison
10:40 am	Genetics and Behavior in Poultry	P. Siegel
11:00 am	The Role of the Poultry Veterinarian in Welfare Issues	W. Chase
11:20 am	Maintenance of the Well-Being of Poultry: Proactive Training or Regulations?	R. Reynells
11:40 am	Open discussion with all speakers from the second morning session	

11:50 am **Lunch**

Moderators: Jose Linares & Douglas Erbeck

An Industry Segment Perspective

1:20 pm	Broiler Production Welfare Issues	H. Classen
1:50 pm	Addressing Welfare Issues - A Breeder's Perspective	J. Brake
2:10 pm	Turkey Production: Maximizing Comfort and Production	S. Noll
2:30 pm	Economic Implications of Controversial Layer Management Programs	D. Bell
2:50 pm	Open discussion with all speakers from the first afternoon session	
3:00 pm	Break	

Moderators: John Schleifer & Jeff Kula

An Industry Association Perspective

3:20 pm	Perspective from the United Egg Producers	A. Pope
3:40 pm	Advancing America's Animal Agriculture	S. Kopperud
4:00 pm	U.S. Poultry and Egg Association	C. Beard
4:20 pm	Open Discussion with all speakers from the second afternoon session	
4:30 pm	Closing Remarks	C. Beard
4:40 pm	Adjourn	



1999 AAAP/AVMA SCIENTIFIC PROGRAM

	Monday, July 12 Session A Convention Center, Rooms R02-3	Monday, July 12 Session B Convention Center, Rooms R04-5
8:00	Molecular characterization of ALV-J field isolates Silva, Robert & Aly Fadly	Comparison of two <i>Mycoplasma gallisepticum</i> vaccines in turkey poult Luna, G., Jean Sander, George Rowland, Willie Hall, & Stanley Kleven
8:15	Comparative analysis of subgroup J avian leukosis virus isolates within and between breeds and breed crosses of meat type chickens by restriction fragment length polymorphism Zavala, Guillermo, Maricarmen Garcia, Mark Jackwood, & Pedro Villegas	Molecular epidemiology (by RAPD analysis) of <i>Mycoplasma gallisepticum</i> isolated from turkeys in California Charlton, Bruce, Arthur Bickford, Richard Chin, & Richard Walker
8:30	Antigenic characterization of field isolates of subgroup J avian leukosis virus Fadly, Aly, Lucy Lee, & Robert Silva	Role of <i>Mycoplasma colale</i> in respiratory disease of Pheasants Spasojevic, Radivoje & Gorica Rajcic-Spasojevic
8:45	Sequence analysis and comparisons of the subgroup J avian leukosis virus unique envelope (env) gene El-Attrache, John, Maricarmen Garcia, Pedro Villegas, & Sylvia Riblet	<i>Mycoplasma gallisepticum</i> and <i>Chlamydia psittaci</i> infection in Ohio Finches Angrick, Elisabeth, Pyone Aye, Teresa Morishita, & Bob Bills
9:00	Biological properties of subgroup J avian leukosis virus envelope glycoproteins Lee, Lucy, Ping Wu, Henry Hunt, & Aly Fadly	<i>In situ</i> PCR detection of <i>Mycoplasma synoviae</i> in broiler chickens Lockaby, Susan, Frederic Hoerr, & Lanqing Li
9:15	Sequence variation in ALV-J env gene during cell passage and embryo passage of different chicken lines Kim, Yong-Baek, Thomas Brown, Nancy Stedman, Mary Pantin, Doris D'Souza	Detection of DNA- <i>Mycoplasma gallisepticum</i> in Embryo by PCR Ramirez, Antonio, Zarina Ramos, Ellana Icochea, Norma Rae, Sharon Levisohn, & Lloyd Lauerma
9:30	Case-control study on risk factors associated with the clinical expression of avian leukosis-J virus Vaillancourt, Jean-Pierre, Dennis Wages, & Robert Owen	<i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i> co-infection diagnosed by PCR in layer flocks in Peru Icochea, Eliana, Rosa Gonzal, Norma Noe, Antonio Ramirez, Sharon Levisohn, & Lloyd Lauerma
	Break 9:45 AM - 10:15 AM	Break 9:45 AM - 10:15 AM
10:15	Relationship between avian leukosis virus-J in eggs from broiler breeders and egg size Spencer, J. & Maria Chan	The application of polymerase chain reaction and restriction fragment length polymorphism in differentiation of <i>Mycoplasma gallisepticum</i> strains Liu, Tongrui, Maricarmen Garcia, David Yoge, Sharon Levisohn, & Stanley Kleven
10:30	Macrophage function in broilers naturally infected with avian leukosis virus subgroup J Stedman, Nancy, Thomas Brown, Denise Bounous, & Randy Brooks	Chicken <i>Mycoplasma gallisepticum</i> infection diagnosed by agent detection, hemagglutination inhibition, but not agglutination Nascimento, Elmiro, Sinfronio Ferreira Neto, M. Carmo Galletti, M. Graca Nascimento, Gelberto Lignon, & Getulio Mendonca
10:45	Role of endogenous virus (EV21) in the response of white leghorn chickens to infection with subgroup J avian leukosis virus Williams, Susan, Aly Fadly, & Willie Reed	Evaluation of temperature-sensitive <i>Mycoplasma gallisepticum</i> mutant vaccine in meat chicken breeders Barbour, Elie, Moustafa Bouljihad, Rady Spasojevic, Ali Eid, Wassim Sakr, Shady Hamadeh, Bassam Hamdar, & Charbel Tarraf



	Monday, July 12 cont.	Monday, July 12 cont.
11:00	Coinfection in meat type chickens and specific pathogen free chickens with subgroup J avian leukosis virus and group E fowl adenovirus obtained from clinical cases of inclusion body hepatitis Zavala, Guillermo, Louise Dufour-Zavala, Pedro Villegas, Reynaldo Resurreccion, & John El-Attrache	Experimental inoculation of <i>Mycobacterium bovis</i> into starlings and crows Butler, K., S. Fitzgerald, D. Berry, & W. Reed
11:15	Eradication of exogenous ALV-J virus from two meat-type chicken breeder lines Schultz, Joseph & Nicolas Dorko, Jr.	Effectiveness of oral chicken egg-derived antibody on the prevention of infection and shedding of <i>Salmonella enteritidis</i> in commercial ducklings Fulton, Richard, Bedros Nersessian, & Willie Reed
11:30	Interpretation of results from various diagnostic tests in an attempt to eradicate ALV-J from two meat-type chicken breeder lines Dorko, Jr., Nicholas & Joseph Schultz	<i>Bordetella avium</i> and <i>B. avium</i>-like organisms: a taxonomic nightmare Maurer, John, Marie Maier, Christine Lobsinger, & Stephen Thayer
	AAAP Awards Luncheon 11:45 AM- 2:00 PM Hilton Hotel, Versailles Room	AAAP Awards Luncheon 11:45 AM - 2:00 PM Hilton Hotel, Versailles Room
2:00	Field evaluation of an antibody test specific for subgroup J avian leukosis virus Leathers, Valerie, Beth Myrick, & Tim Jackson	Whole-genome sequencing of an avian isolate of <i>Pasteurella multocida</i> Kapur, Vivek, Ling-Ling Li, & Bruce Roe
2:15	Production and immunohistochemical use of polyclonal antibodies for <i>in situ</i> ALV-J detection Gharaibeh, Saad, Thomas Brown, Nancy Stedman, & Mary Pantin-Vera	Virulence and pathogenicity of <i>Pasteurella multocida</i> in Pekin ducks (<i>Anas platyrhynchos</i>) Morishita, Teresa, Faruk Pehlivanoglu, Pyone Aye, Robert Porter, Jr., Elisabeth Angrick, Bedros Nersessian
2:30	Comparison of various diagnostic assays for detection of exogenous and endogenous avian leukosis virus from field samples Zavala, Guillermo, Guillermo Zavala-Vargas, Louise Dufour-Zavala, & Pedro Villegas	Passive cross-protection produced by a monoclonal antibody against a 39 kDa membrane-associated antigen of <i>Pasteurella multocida</i> Rimler, Richard
2:45	Epidemiology and transmission of subgroup J avian leukosis virus-a longitudinal study in broiler breeders Witter, Richard, Larry Bacon, & Aly Fadly	Guidelines for animal welfare in German turkey husbandry Mehr, K-Peter
3:00	Further <i>in vivo</i> characterization of the Arkansas "type" infectious bronchitis virus field isolates Slacum, Gwenllyan, Ruud Hein, Phyllis Lynch	Comparison of nipple and bell-type drinkers during the brooding of commercial tom turkeys Rives, David & Donald Cumber
	Break 3:15 PM - 3:30 PM	Break 3:15 PM - 3:30 PM
3:30	Nephropathogenic infectious bronchitis virus infections in Pennsylvania poultry Ziegler, Andre, Patricia Dunn, Jack Gelb, Sherrill Davison, & Robert J. Eckroade	Ultrastructural properties of bone cortex in turkey with and without femoral fractures Crespo, Rocio, Susan Stover, H. Shivaprasad, & Richard Chin
3:45	Characteristics of nephropathogenic infectious bronchitis virus in Pennsylvania commercial chickens Gelb, Jr., Jack, Brian Ladman, W. Nix, & Conrad Pope	Studies on passive immunity employing the Fab' fragment of chicken immunoglobulin Reynolds, Donald, Akbar Ali, & Serine Akinc
4:00	Homologous interference of different serotypes of avian infectious bronchitis virus <i>in ovo</i> Khan, Mazhar, Xiuqing Wang	Control of coccidiosis in broiler chickens with combinations of vaccination and step-down medication schemes Lee, Eng



Monday, July 12 cont.		Monday, July 12 cont.	
4:15	Characterization of <i>in vitro</i> expressed IBV spike glycoprotein in avian cell culture Wade, Emma, Mark Jackwood, & Deborah Hilt		Compensatory gain of broiler chickens associated with the coccidiosis vaccine, Coccivac-B Mathis, Greg & Steve McCarter
4:30	Sequence analysis of the S2 gene of IBDV field isolates, passage-attenuated and monoclonal antibody-neutralization-resistant mutants Plaza, Hamilton, Mark Jackwood, & Scott Callison		Immunosuppressive effect of <i>Eimeria tenella</i> infection on vaccination against Newcastle disease in broiler chicks Al-Natour Mohammad & Mahmoud Abo-shehada
4:45	Molecular analysis of the cleavage site of the IBV spike glycoprotein Jackwood, Mark, Deborah Hilt, Hamilton Plaza, & Emma Wade		Individual eye-drop application of wild and precocious <i>Eimeria</i> strains Richards, David
5:00	Adjourn		Adjourn
Tuesday, July 13 Session A Convention Center, Rooms R02-3		Tuesday, July 13 Session B Convention Center, Rooms R04-5	
8:00	Effect of infectious bursal disease variant-like viruses on broiler flocks Villegas, Pedro, John El-Attrache, George Rowland, & John Glisson		Effect of turkey coronavirus (NC95) on turkey poults Hawk, Michele, H. Barnes, James Guy, & Jean-Pierre Vaillancourt
8:15	Persistence of infectious bursal disease virus and Newcastle disease virus in infected chickens Lukert, Phil, Denise Pesti, & Josh Gidlewski		High mortality and growth depression are experimentally produced in young turkeys by coinfection with turkey coronavirus and <i>Escherichia coli</i> . Guy, James, John Barnes, Jean-Pierre Vaillancourt, & Jamie Breslin
8:30	Role of nitric oxide in immunosuppression of IBDV-infected chickens Yeh, Hung-Yueh & Jagdev Sharma		Clinical effects of bovine coronavirus (Nebraska strain) in turkey poults Garcia, AnaPatricia, Thomas Brown, Doris D'Souza, & Saad Gharaibeh
8:45	Role of T cells in the pathogenesis of IBDV Sharma, Jagdev & In-Jeong Kim		Immunogenicity of a S1 subunit of the spike glycoprotein of turkey coronavirus <i>in vivo</i> Pantin-Vera, Mary, Thomas Brown, & Mark Jackwood
Break 9:00 AM - 9:15 AM		Break 9:00 AM - 9:15 AM	
9:15	Preliminary studies on the effect of B-haplotypes on infectious bursal disease in broiler breeder chickens Hoerr, Frederic, James Hudson, Carey Laster, Joseph Giambrone, & Sandra Ewald		Time-course detection of turkey intestinal coronavirus (TCV) after oral gavage using RT-PCR D'Souza, Doris, Thomas Brown, & AnaPatricia Garcia
9:30	Evaluating passive immunity to infectious bursal disease in commercial broilers Lovell, Eric		Sequence analysis of the matrix/nucleocapsid gene region of turkey coronavirus Breslin, Jamie, James Guy, Fred Fuller, & Lynda Smith
9:45	Open		Infectivity of sero-positive flocks for turkey coronavirus at processing Garcia, Marion, David Fernandez, Jean-Pierre Vaillancourt, Julie Helm, Bob Edson, & John Barnes
10:00	Effects of infectious bursal disease vaccine on overall broiler chicken performance Hollifield, Julie and Richard Phillips		Turkey coronavirus (TCV) IFA vs. modified infectious bronchitis (IBV) ELISA for the detection of TCV antibodies: perspective from a PEMs/TCV outbreak in Texas Linares, Jose, Tom Blount, Ching Ching Wu, & Tsang Long Lin



Tuesday, July 13 cont.		Tuesday, July 13 cont.	
10:15	Vaccination of day old chicks with or without maternal antibodies with live infectious bursal disease vaccine Al-Natour, Mohammad, Mohammed Hassan, Lucy Ward, Bruce Stewart-Brown, & Y. Saif		Clinicopathological findings in turkeys with the severe form of poult enteritis and mortality syndrome ("Spiking Mortality of Turkeys") Barnes, H. & James Guy
Business Meeting 10:30 AM – 12:00 Noon		Business Meeting 10:30 AM – 12:00 Noon	
Lunch 12:00 Noon – 1:00 PM		Lunch 12:00 Noon – 1:00 PM	
1:00	Significance of genetic difference on the antigenicity of pathogenic field isolates of infectious bursal disease viruses Jackwood, Daral & Heidi Knoblich		Isolation of novel viruses from the thymus of PEMS-infected birds Schultz-Cherry, S., L. Kelley, J. Bennett, V. Simmons, M. Koci, & H. Barnes
1:15	Detection of infectious bursal disease virus in experimentally infected chickens using <i>in situ</i> hybridization with a riboprobe Sellers, Holly, Pedro Villegas, Darrell Kapczynski, John El-Attrache, & Corrie Brown		Effects of poult enteritis mortality syndrome (PEMS) and turkey coronavirus (TCV) on mortality patterns in commercial turkeys: A historical perspective Carver, Donna, Jean-Pierre Vaillancourt, & H. Barnes
1:30	Inhibitory effect of nitric oxide on the replication of Marek's disease virus Xing, Zheng & Karel Schat		Modulation of hemorrhagic enteritis virus (HEV)-pathogenesis by the imiquimod S-28828 Rautenschlein, Silke & Jagdev Sharma
1:45	Immunogenicity of naked DNA molecules against Marek's disease virus MacCullough, Clark & Carlos Romero		Avian pneumovirus infection in turkeys Jirjis, Faris, Daniel Shaw, Sally Noll, & David Halvorson
2:00	Replication of serotype I Marek's disease virus (MDV) in embryonic tissues following <i>in ovo</i> Exposure St. Hill, Catherine & Jagdev Sharma		Evaluation of a modified live <i>Salmonella typhimurium</i> vaccine in US commercial broiler field trials Kelly, Sandra, Julie Lawrence, & Roy Curtiss III
2:15	Screening of a latent turkey herpesvirus cDNA library using a microtitre plate banking system T.D. Tersmer & M.S. Holland		Recombinant fimbrial antigens for the protection against <i>Salmonella enteritidis</i> infection in chickens Rajashekara, Gireesh, David Halvorson, Shirin Munir, Alberto Black, & Kakambi Nagaraja
2:30	Influence of major histocompatibility complex haplotype B11 on Marek's disease immunity Wakenell, Patricia, Marcia Miller, & W. Briles		Experimental infection of <i>Salmonella enteritidis</i> isolates from poultry environment origin in one-day old broiler chicks Dhillon, A. & Bernadette Alisantosa
Break 2:45 PM – 3:00 PM		Break 2:45 PM – 3:00 PM	
3:00	Concomitant infection of SPF chickens with Marek's disease virus (MDV) and chicken infectious anemia virus (CIAV); effect of MDV pathotype Miles, Andrea & Robin Morgan		<i>Salmonella typhimurium</i> carriage within the crop, jejunum, and cecum of broilers Promsopone, Benjamas, Teresa Morishita, Pyone Aye, Brian Harr, & Charles Cobb
3:15	Vertical transmission of chicken infectious anemia virus, insights into pathogens Cardona, Carol, Wendelein Oswald, & K. Schat		Comparison of different procedures for detecting and estimating numbers of <i>Salmonella</i> in environmental drag swab samples Himatnongkham, Sakchai & Hams Riemann
3:30	Influence of chicken infectious anemia virus on the development of virus-specific cytotoxic T cells Markowski, Carrie & Priscilla O'Connell		The potential influence of broiler chicken major histocompatibility complex on the incidence of avian cellulitis Malin, Kenneth, Robert Norton, & Sandra Ewald



Tuesday, July 13 cont		Tuesday, July 13 cont	
3:45	Chicken infectious anemia virus: antibody development in a closed colony of chickens Schat, Karel, Carol Cardona, Priscilla O'Connell, & Benjamin Lucio	The use of dietary vitamin E, organic zinc complexes and other supplements in the prevention of avian cellulitis in broiler chickens Norton, Robert, Ken Macklin, Joseph Hess, & Kevin Downs	
4:00	Recombinant turkey herpes virus expressing avian influenza virus nucleoprotein: characterization and evaluation as an avian influenza vaccine Munir, Shirin, David Halvorson, Gireesh Rajashekara, & Vivek Kapur	Revelations of 12 years of broiler health monitoring by computerized database Keirs, Robert, Carolyn Boyle, Phillip Stayer, & David Smith	
4:15	Subtypes of the avian influenza virus isolated in the live-bird markets (LBMs) and premises other than LBMs (Non-LBMs), 1994-1998 Panigrahy, Brundaban & Dennis Senne	Hypoglycemia-spiking mortality syndrome of chickens unresponsive to light-dark exposure Davis, James, Anthony Castro, J. Doman, & H. Lu	
4:30	Sequence analysis of the influenza isolates in the live bird markets in the Northeast United States Suarez, David, Dennis Senne, & Michael Perdue	Intussusceptions in multiple pullet flocks Van Sambeek, Francene & Fred Hoerr	
4:45	Highly pathogenic H5 avian influenza viruses differ in ability to infect and produce disease in mice Swayne, David, David Suarez, & Michael Perdue	Pathogenesis of boiler proventriculitis Slemons, Richard, Daral Jackwood, Robert Porter, Ram Mohan, John Long, & Elisabeth Krushinskie	
5:00	Adjourn	Adjourn	
Wednesday, July 14 Session A Convention Center, Rooms R02-3		Wednesday, July 14 Session B Convention Center, Rooms R04-5	
8:00	Macro- and microscopic pathology and immunohistochemical localization of A/Chicken/Hong Kong/220/97 (H5N1) influenza virus in five gallinaceous species Perkins, Laura	Investigation of an inclusion body hepatitis outbreak in Northeast Georgia Dufour-Zavala, L., L. Teodoro de Barros, J. Vaillancourt, R. Resurreccion, P. Villegas, & J. El-Attrache	
8:15	Pathogenesis of a H9N2 avian influenza "A" virus in commercial GP, broiler breeder, broiler, and layer flocks Mirsalimi, Seyed	Amyloid arthropathy in brown layers: some aspects on etiology and control Philipp, Hans & Matthias Voss	
8:30	Epidemiology and control of VVND outbreak in a flock of game chickens Crespo, Rocio, H. Shivaprasad, Peter Woolcock, Richard Chin, Dorothy Davidson-York, & Robert Tarbell	<i>In vitro</i> characterization of a <i>Niesseria</i> -like bacterium isolated from poultry Chin, Richard, Richard Walker, & Paytick Balackall	
8:45	Pathology of velogenic viscerotropic Newcastle disease in game chickens Shivaprasad, H. & Rocio Crespo	Severe fowl tick infestation in a backyard flock of laying hens Tablante, Nathaniel, Pierre Brunet, & Keith Hendricks	
9:00	Characterization and comparison of velogenic viscerotropic Newcastle disease virus isolates from chickens in Korea recovered from 1949 to 1997 Kim, Jae-Hong & Daniel King	Human error-induced multivitamin deficiency in broiler chicks Tablante, Nathaniel & Inmaculada Estevez	
9:15	Current status of judicious therapeutic antimicrobial use principles and guidelines for poultry Wages, Dennis	open	
Break 9:30 AM - 9:45 AM		Break 9:15 AM - 9:45 AM	



	Wednesday, July 14 cont.	Wednesday, July 14 cont.
9:45	Attenuated recombinant infectious laryngotracheitis virus as vaccines Kohrt, Laura, William Schizlain, & Deoki Tripathy	Iss Protein for Use as an Immunogen Foley, Steven, Shelley Horne, & Lisa Nolan
10:00	Comparison of gene expression of vaccine candidates encoding for the glycoprotein of infectious laryngotracheitis I-Hsin, Cheng, S. Riblet, & M. Garcia	Excessive chick mortality associated with <i>E. coli</i> Aye, Pyone & Teresa Morishita
10:15	Safety and efficacy of a novel Newcastle disease (ND) vaccine when administered <i>in ovo</i> on day 18 of embryonic development to SPF and broiler embryos Haddad, E., C. Whitfill, A. Avakian, F. Clark, P. van Zant, D. Link & P. Wakenell	The effect of acute phase response on <i>E. coli</i> infection in chickens Matsumoto, M & Hsien-Jen Huang
10:30	Cross-protection studies with avian pox viruses Tripathy, Deoki & Pratik Singh	<i>E. coli</i> peritonitis in laying hens: an increasing problem Wallner-Pendleton, Eva & Lisa Nolan
10:45	Polymerase chain reaction for diagnosis of avian poxvirus infection Tadese, Theodros & Willie Reed	Chicken embryo lethality assay for determining the virulence status of avian <i>Escherichia coli</i> isolates Woley, Richard, Penny Gibbs, Tom Brown & John Murer
11:00	Characterization of monoclonal antibodies against fowlpox virus Singh, Pratik & Deoki Tripathy	The pre-existence of fluorfenicol resistance in avian <i>Escherichia coli</i> Lee, Margie, Kathleen Keyes, John Maurer, & Stephen Thayer
11:15	Cross-sectional study of food safety pathogens in commercial squab production Jeffrey, Joan, E. Atwill & A. Hunter	Persistence of cellulitis-associated <i>E. coli</i> DNA fingerprints in successive broiler flocks reared in the same house Singer, Randall, Joan Jeffrey, Dwight Hirsh, Cara Cooke, Tim Carpenter, Edward Atwill
	Adjourn 11:30 AM	Adjourn 11:30 AM

POSTER PROGRAM
Convention Center, Room R01

- The fate of infectious bursal disease virus in specific-pathogen layer chicks and in maternally immune broiler chicks following vaccination at 1 day of age**
Knoblich, Heidi, Sommer, Susan, & Jackwood, Daral
- Effect of virulent strain of infectious bursal disease virus (IBVD) on the pathogenicity of *Cryptosporidium bileyi* and the development of acquired immunity to parasite**
Abrassi, H, Coudert, F, Cherel, Y., Brugere-Picoux, J., & Naciri, M.
- Use of a chicken anemia virus antibody test for monitoring protective antibody titers**
Leathers, Valerie
- Using expressed SI gene protein as an antigen for the detection of antibody against infectious bronchitis virus by ELISA**
Wang, Ching-Ho
- Genetic shift and drift observed in avian infectious bronchitis virus strain DE072**
Lee, Chang-Won, Jackwood, Mark
- 1998 respiratory outbreak in Mississippi broilers**
Montgomery, Roy, Austin, Frank, Wang, Chinling, Wang, & Boyle, Carolyn
- Rapid characterization of infectious laryngotracheitis virus by restriction fragment polymorphism of PCR products**
Garcia, Maricarmen, Riblet, Sylva, Humbert, Jennifer, & Linares, Jose



8. **Development and characterization of monoclonal antibodies to avian leukosis virus subgroup J**
Qin, AiJian, Lee, Lucy, & Wu, Ping
9. **Effects in broilers of *in ovo* antibody to avian leukosis virus subgroup J (ALV-J)**
Brown, Thomas, Gharaibeh, Stedman, Nancy, Kime, Yong-Baek, & Pantin-Vera, Mary
10. **Correlation of thyroid lesions and function, with performance in broilers naturally infected with avian leukosis subgroup J (ALV-J)**
Brown, Thomas, Stedman, Nancy, Gharaibeh, Kim, Yong-Baek, & Pantin-Vera, Mary
11. **A survey of incidence of ALV-J infection in broiler breeders and its effect on breeder and broiler performance**
Gidlewski, Josh and Opengart, Ken
12. **Simplified nested-PCR for detection of avian leukosis virus subgroup J (ALV-J)**
Riblet, Sylva, Moscoso, & Garcia, Maricarmen
13. **Immunotherapeutic approaches to avian leukosis virus**
Singbeil, Bruce, Girshick, Ted, Avakian, Alan, Harrison, Andy, & Grosse, Don
14. **Construction of recombinant Marek's disease virus type 2 expressing the S1 glycoprotein of infectious bronchitis virus using a green fluorescent protein expression cassette**
Song, Chang-Seon, Lee, Youn-Jeong, Jang, Hyung-Kwan, & Mikami, Takeshi
15. **Development of M gene based PCR for the detection and differentiation of avian pneumovirus isolates from turkeys**
Shin, Hyun-Jin, Rajashekara, Gireesh, Nagaraja, Kakambi, Halvorson, David, & Goyal, Sagar
16. **Characterization of avian pneumovirus**
Halvorson, David, Townsend, Evelyn, Shaw, Daniel, & Nagaraja, K.
17. **Molecular characterization of the fusion and matrix proteins (M and M2) genes of a newly emerging avian pneumovirus**
Dar, Arshud, Tune, Kathy, Goyal, Sagar, & Kapur, Vivek
18. **Antigen trafficking and immune alterations induced by small round virus associated with poult enteritis and mortality syndrome of turkeys**
Qureshi, Muquarrab, Saif, Yehia, & Yu, Mingke
19. **Studies on the pathophysiology of enteric viral infection in a turkey embryo model**
Ali, Akbar & Reynolds, Donald
20. **Virulence of pigeon paramyxovirus-1 isolates for domestic chickens**
Kommers, Glaucia, Brown, Corrie, Seal, Bruce, & King, Daniel
21. **Detection of muscovy duck parvovirus infection in ducks in Pennsylvania**
Senne, Dennis, Pedersen, Janice, Nesselrodt, Amy, & Panigrahy, B.
22. **Identification and characterization of muscovy duck parvovirus isolated from a commercial flock of muscovy ducks**
Woolcock, Peter, Jestin, Veronique, & Shivaprasad, H.
23. **Immune cell tropism and tissue distribution of duck virus enteritis**
Shawky, Samia
24. **Presence of Marek's disease virus in quail fibroblast cell lines**
Yamaguchi, T. & K. Schat
25. **Identification of hot-spots and quantification of *Salmonella* and fecal coliforms as a function of environmental parameters in poultry houses**
Eriksson de Rezende, Christian, Mallinson, Edward, Morales, Roberta, & Joseph, Sammy
26. **Role of fimbrial genes in the pathogenesis of *Salmonella enteritidis***
Nagaraia, K., Rajashekara, Gireesh, Munir, Shirin, Halvorson, David, & Wells, Carol
27. **Identification of the immunophilins involved in intracellular survival of the avian pathogen, *Salmonella typhimurium* var. Copenhagen**
Horne, Shelley, Breider, Melissa, Giddings, Catherine, Nolan, Lisa, & Young Kevin
28. **Survival and destruction of *E. coli* 0157:H7 and *S. typhimurium* in poultry and cattle manure**
Himmathongkham, Sakchai, Riemann, Hans, & Bahari, Saipul
29. **Ongoing examination of avian *Escherichia coli* isolates for *iss* sequences**
Nolan, Lisa, Ebert, Jessica., Horne, Shelley, & Foley, Steven
30. **Characterization of multiple flouroquinolone resistance among pathogenic avian *Escherichia coli* isolates**
White, David, Piddock, Laura, & Maurer, John
31. **Isolation, identification and protection obtained of adenovirus against IBH**
Vazquez, M., C. Gonzalez, R. Raya, & G. Torres



32. **Pathogenic and molecular characterization of *Mycoplasma sturni***
Ley, David & Geary, Steven
33. **Susceptibility of avian mycoplasmas to antibiotics commonly used in poultry**
Wang, Chinling & Ewing, Marty
34. **Cross reacting effect of *Mycoplasma synoviae* antigen on sera from artificially infected chickens with *M. gallisepticum***
Nascimento, Elmiro, Mendonca, G., Dias, S., Lignon, G., Nascimento, M., Deusdara, O., & Ito, J.
35. **The molecular characterization of erythromycin resistant avian *Staphylococcus* sp. and its comparison with human isolates**
Ghori, Hashim & Nawaz, Mohamed
36. **Use of sodium bisulphate litter additive to suppress campylobacter colonization in broilers**
Shane, Simon, Fleniken, J, & Terzich, M.
37. **Use of outer membrane proteins for serological detection of *Ornithobacterium rhinotracheale* infection in turkeys**
Lopes, Vanessa, Nagaraja, K., Back, A., Rajashekara, G., & Halvorson, D.
38. **Investigation of bacterial resistance to commercial disinfectants using a novel technique**
Sander, Jean & Hofacre, Charles
39. **Presence of fluoroquinolone resistant bacteria in poultry litter**
Hofacre, Charles, Rene' de Cotret, Garritty, A., Thayer, S., & Maurer, J.
40. **Safety of aureomycin (chlortetracycline) granular premix for egg-laying chickens**
Clark, Steven, Cheng, T, & Venne, A.
41. **Characterization of the Pacheco's disease virus genome**
Keeler, Jr, Calvin & Thur, D.
42. **Serosurvey of avian pathogens in ratites**
Ley, Elizabeth, Morishita, T., Mohan, R., & Harr
43. **Renal cryptosporidiosis in commercial laying hens**
Trampel, Darrell & Pepper, T.
44. **Disseminated granulomatous lesions in turkeys: a case report**
Clark, Fred, Beasley, J., & Skeeles, J.
45. **A four year (1994-1998) critical analysis of the Pennsylvania egg quality assurance program (PEQAP)**
Henzler, David, Henninger, M, Kradel, D., & DeBok, P.
46. **Coronary artery aneurysm in male commercial turkeys**
Shivaprasad, H & Crespo, R.
47. **Use of ultrasonography to assess development of enlarged sternal bursa in turkeys**
Jirjis, Faris, Watter, P, Noll, S, Shaw, D, & Halvorson, D.
48. **The poultry health management group at North Carolina State University: redefining the learning environment**
Vaillancourt, Jean-Pierre, Barnes, H, Ley, D, & Wages, D.
49. **Immunodulation of chicken splenocytes determined by flow cytometry analysis**
Garcia-Camacho, Lucia & Bounous, D.
50. **Detection of natural and recombinant chicken interferon-gamma**
Elyar, John, Romero, C, & Evans, K.
51. **Prevalence of *Cryptosporidium* spp. among ostriches in Jordan**
Mahmoud, A-B., L. Ward, B. Brown, & Y. Saif