#### **EDITOR**

Jagdev M. Sharma
College of Veterinary Medicine
University of Minnesota
St. Paul, Minnesota 55108

#### **BUSINESS MANAGER**

Charles L. Hofacre
University of Georgia
953 College Station Road
Athens, Georgia 30602-4875

#### **EDITORIAL BOARD**

A. J. Bermudez

C. J. Cardona

H. D. Chapman

R. P. Chin

S. Davison

A. M. Fadly

S. D. Fitzgerald

O. J. Fletcher

R. K. Gast

J. S. Guy

K. Hiett

F. J. Hoerr

D. J. Jackwood

M. W. Jackwood

D. R. Kapczynski

D. J. King

S. H. Kleven

M. Lee

H. S. Lillehoj

J. Maurer

L. R. McDougald

T. Morishita

L. Nolan

M. S. Parcells

S. Rautenschlein

S. Reddy

D. L. Reynolds

Y. M. Saif

K. A. Schat

B. Seal

H. L. Shivaprasad

R. F. Silva

R. Singer

E. Spackman

D. L. Suarez

D. E. Swayne

P. S. Wakenell

E. Wallner-Pendleton

P. Wigley

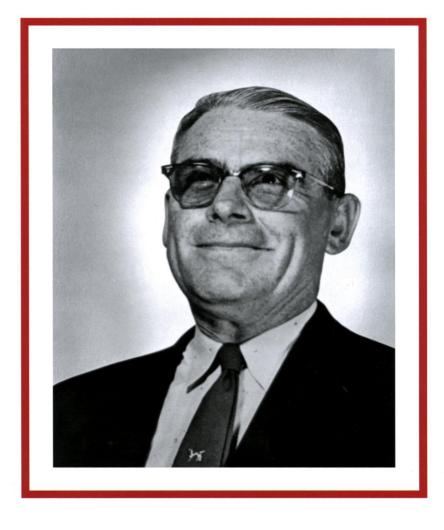
P. R. Woolcock

C. C. Wu

# Avian Diseases

# An international journal dedicated to avian health

Published Quarterly by The American Association of Avian Pathologists



Vol. 49 No. 3

September 2005

Pages 317-454

Copyright 2005 by the American Association of Avian Pathologists, Inc.

# Avian Diseases

Vol. 49, No. 3 September 2005

### Table of Contents

Invited Minireview—	
Public Health Risk from Avian Influenza Viruses. MICHAEL L. PERDUE AND DAVID E. SWAYNE	317
Regular Articles—	
Blackhead Disease in Turkeys: Direct Transmission of <i>Histomonas meleagridis</i> from Bird to Bird in a Laboratory Model.  L. R. McDougald and L. Fuller	328
Viral Genotyping of Infectious Bursal Disease Viruses Isolated from the 2002 Acute Outbreak in Spain and Comparison with Previous Isolates. R. Dolz, N. Majó, G. Ordónez, and R. Porta	332
Development of a Polymerase Chain Reaction-Based <i>In Vivo</i> Method in the Diagnosis of Subclinical Pigeon Circovirus Infection. M. P. Franciosini, E. Fringuelli, O. Tarhuni, G. Guelfi, D. Todd, P. Casagrande Proietti, N. Falocci, and G. Asdrubali	340
Partial Characterization of an Adenovirus-Like Virus Isolated from Broiler Chickens with Transmissible Viral Proventriculitis. James S. Guy, H. John Barnes, Lynda Smith, Robert Owen, and Frederick J. Fuller	344
Reproduction of Proventriculitis in Commercial and Specific-Pathogen-Free Broiler Chickens. M. J. Pantin-Jackwood, T. P. Brown, and G. R. Huff	352
Effect of Growth Promotant Usage on Enterococci Species on a Poultry Farm. Antoinette L. Debnam, Charlene R. Jackson, Gloria E. Avellaneda, John B. Barrett, and Charles L. Hofacre	361
Comparison of the Specificity and Sensitivity of PCR, Nested PCR, and Real-Time PCR for the Diagnosis of Histomoniasis. H. M. Hafez, R. Hauck, D. Lüschow, and L. McDougald	366
Serologic Evidence of West Nile Virus Infection in Three Wild Raptor Populations. WILLIAM E. STOUT, ANDREW G. CASSINI, JENNIFER K. MEECE, JOSEPH M. PAPP, ROBERT N. ROSENFIELD, AND KURT D. REED	371
Characterization of the Neurotoxin Produced by Isolates Associated with Avian Botulism. Masato Такеда, Kentaro Tsukamoto, Томоко Конда, Мікі Матsui, Маsafuмі Микамото, and Shunji Kozaki	376
The Relationship Between the Duration of Fecal Shedding and the Production of Contaminated Eggs by Laying Hens Infected with Strains of Salmonella Enteriditis and Salmonella Heidelberg. RICHARD K. GAST, JEAN GUARD-BOULDIN,	202

## Photo on the cover

Dr. John P. Delaplane, 1906–1957. A respected poultry disease specialist and one of the founding fathers of the American Association of Avian Pathologists. Dr. Delaplane helped draft the first constitution for the AAAP but, due to his untimely death, was not able to witness the inception of this new organization. The John P. Delaplane gavel is being used to this day by successive presidents of this organization. Dr. Delaplane served as department chair in the College of Veterinary Medicine at Texas A&M. He made notable contributions to avian medicine and is remembered for his scientific curiosity, integrity, modesty, and professional ethics.