

EDITOR

Jagdev M. Sharma
The Biodesign Institute
Arizona State University
Tempe, Arizona 85287-5401

BUSINESS MANAGER

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

EDITORIAL BOARD

A. Banda
A. J. Bermudez
H. D. Chapman
R. P. Chin
S. Davison
J. M. Day
A. M. Fadly
S. D. Fitzgerald
O. J. Fletcher
R. K. Gast
P. Gibbs
I. Gimeno
J. S. Guy
F. J. Hoerr
D. J. Jackwood
M. W. Jackwood
T. Johnson
D. R. Kapczynski
S. H. Kleven
C. W. Lee
M. Lee
H. S. Lillehoj
B. Lupiani
L. R. McDougald
L. Nolan
A. Noormohammadi
M. Pantin-Jackwood
M. S. Parcells
S. Rautenschlein
S. Reddy
D. L. Reynolds
Y. M. Saif
K. A. Schat
H. Sellers
H. L. Shivaprasad
R. F. Silva
R. Singer
E. Spackman
D. L. Suarez
D. E. Swayne
H. Toto
V. van Santen
P. S. Wakenell
P. Wigley
P. R. Woolcock
C. C. Wu
Q. Zhang

Avian Diseases

An international journal dedicated to avian health

Published Quarterly by
the American Association of Avian Pathologists



Vol. 55 No. 1

March 2011

Pages 1-164

Avian Diseases

Vol. 55, No. 1

March 2011

Table of Contents

Obituary—

Dr. Stephen D. Hitchner	1
-------------------------------	---

Regular Articles—

Physical and Genomic Characteristics Identify Chicken Proventricular Necrosis Virus (R11/3 Virus) as a Novel Birnavirus. JAMES S. GUY, MELISSA A. WEST, AND FREDERICK J. FULLER	2
Isolation of <i>Mycoplasma meleagridis</i> from Chickens. A. BÉJAOUÏ KHIARI, A. LANDOULSI, H. AISSA, B. MLIK, F. AMOUNA, A. EJLASSI, AND B. BEN ABDELMOUMEN MARDASSI	8
Epidemiology and Control of Low Pathogenicity Avian Influenza Infections in Rural Poultry in Italy. M. CECCHINATO, A. COMIN, L. BONFANTI, C. TERREGINO, I. MONNE, M. LORENZETTO, AND S. MARANGON	13
Global Occurrence and Spread of Highly Pathogenic Avian Influenza Virus of the Subtype H5N1. XIN H. LI, HUI D. TIAN, MICHAEL HEINER, AND DIAN M. LI	21
Progression of Histomonosis in Commercial Chickens Following Experimental Infection with an <i>In Vitro</i> Propagated Clonal Culture of <i>Histomonas meleagridis</i> . M. A. ZAHOOR, D. LIEBHART, AND M. HESS	29
Ongoing Estimation of the Epidemic Parameters of a Stochastic, Spatial, Discrete-Time Model for a 1983–84 Avian Influenza Epidemic. C. RORRES, S. T. K. PELLETIER, M. C. BRUHN, AND G. SMITH	35
Avian Influenza Mucosal Vaccination in Chickens with Replication-Defective Recombinant Adenovirus Vaccine. HAROLDO TORO, DAVID L. SUAREZ, DE-CHU C. TANG, FREDERIK W. VAN GINKEL, AND CASSANDRA BREEDLOVE	43
The Infection of Turkey Poults with <i>Histomonas meleagridis</i> by Contact with Infected Birds or Contaminated Cages. P. L. ARMSTRONG AND L. R. MCDUGALD	48
Effects of Litter Quality (Moisture, Ammonia, Uric Acid) on Development and Severity of Foot Pad Dermatitis in Growing Turkeys. I. M. I. YOUSSEF, A. BEINEKE, K. ROHN, AND J. KAMPHUES	51
The Efficacy of Anticoccidial Products Against <i>Eimeria</i> spp. in Northern Bobwhites. R. W. GERHOLD, A. L. FULLER, L. LOLLIS, C. PARR, AND L. R. MCDUGALD	59
Sequence Analyses of the Representative Chinese-Prevalent Strain of Avian Nephritis Virus in Healthy Chicken Flocks. W. ZHAO, X. G. HUA, C. L. YUAN, L. CUI, T. L. SHAN, X. Q. DAI, A. L. ZHU, Y. YU, C. X. ZHU, AND Z. B. YANG	65

About the cover

The art work featured on the cover of this issue is called “Spring Symphony” by Marsie Danielson. The original work is a 10 by 20 inch oil painting on linen and features a tree swallow’s nest. It is currently being exhibited at the Tamarack Gallery in Stillwater, Minnesota. Marsie has taken private art lessons and numerous workshops from artists both in the U. S. and abroad. She has been awarded the top honors in several competitions including one sponsored by *The Artist’s Magazine* and the five-state “Northern Lights” art competition. Her work may be found in private and corporate collections throughout the U. S. and in galleries in Minnesota and Wisconsin. The artist may be reached through the Tamarack Gallery at tamarackgallery@aol.com.