



Acknowledgements

Enormous cooperation and support from many individuals are required for a project of this magnitude. It has truly been an honor to coordinate the efforts of so many dedicated authors, and we appreciate their giving of their personal time in participating in this undertaking.

We especially want to thank Dr. Lesley E. Sealing, who was extremely committed to the tedious and long-term effort of developing the medical illustrations, including the anatomy overlay of the cockatoo.

We are indebted to the international authors, particularly Helga Gerlach and Sjeng Lumeij, for their immense contribution to the book (some of these authors had to write in a “foreign” language — all scrutinized the world’s literature and brought a fresh perspective to this work); additionally, John Olsen, Kenneth Latimer and Avery Bennett contributed beyond their initial commitment.

Deep appreciation is extended to those whose lives and schedules were disrupted by the time commitment of the editors: the research team, staff and students at the University of Georgia, including Cheryl Greenacre, Ken Latimer, Frank Niagro, Phil Lukert, Denise Pesti and Michelle Weatherly; the staff and clients of The Bird Hospital and Harrison’s Bird Diets; and the staff, board of directors and members of the Association of Avian Veterinarians.

The outstanding color reproductions of hematology cells from Lucas and Jamroz’ originals were produced by Alex Webber from the Educational Resource Center at the University of Georgia. Joey C. Rodgers and Stacy Koffman from the Education Resource Center produced the exceptional quality black and white prints. Color endophotographs were made possible through the support of Karl Storz Veterinary Endoscopy - America. The color separation skills provided by Color Trend, Inc. were responsible for the quality of the color prints.

We are grateful for other colleagues who were willing to share portions of their previous works through this

medium: Karen Hicks, John Wade, Murray Fowler, Alice Blue-McClendon, Peter Stettenheim, Irene Pepperburg, Charles Munn and Ken Fletcher; and for the radiographs, illustrations and photographs from Stephen A. Smith, Bonnie J. Smith, Maria-Elisabeth Krautwald-Junghanns, Murray Fowler, Brett Hopkins, Busch Gardens Tampa, Jane Turrell, Apalachee River Aviary, R. Korbel, Robert Schmidt and Ellman International Manufacturing, Inc.

In addition to the authors, the editors would like to thank Martin Orr, Robert Clipsham, Nina Ungerechts, J. Richmond, Priscilla B. Wyrick, W.T. Atyeo, Michael Lutz, K. Göbel, Exotic Animal Medical Products, Mark Spreyer, D. Brückner, Curt Vogel, S.W. Jack, David Ley, Richard Cambre, Louis Filipich, Cheryl Greenacre, R.J. Montali, Michael Murray, L. Karpinski, Jean Paré, K.C. Barnett, S. West, Dan Wolf, Isabel Taylor, W.S. Steffens, Jean Sanders, Bob Dahlhausen, Carol Partington, Elizabeth Watson, Ramiro Isaza, John Randolph, and Avian Research Associates for providing photographs used in this book. Others who contributed to the graphic aspects include Lauri Maniccia, Lynda Hare and Tom Elfers.

We appreciate the comments of colleagues who received early manuscripts: Jim Stunkard, Christopher Murphy, James Harvey Johnson, Don Harris, Louise Bauck, James Harris, Michael Murray, and for technical support from Vicki McConnell, Carrie Reynolds, Donna Hurd Smith, Mamie Watson, Randi Gilbert, Chris Migliore, Shirley and Bob Harlan.

For extra and continued support, without which this book would not have been possible, we thank Terry Clyne, Helga Gerlach and Marion Litonski, Dana O’Donoghue, Harrison’s Bird Diets, and Irving Cowan for his support of avian health.

And finally, our deepest thanks to the staff of Wingers Publishing for transforming our concepts into reality.



Foreword

Avian medicine has been an integral part of veterinary medicine for a long time, but still relatively few veterinarians include members of the avian species among their patients. This is rapidly changing as companion birds become increasingly popular. The economic and emotional value of these pets is significant. Veterinarians who have adequate education and talent to provide services for companion and aviary birds have a competitive advantage in private practices.

Avian Medicine: Principles and Application fills a critical need for a reference and medical text capable of raising the standard of veterinary care for birds. It can be predicted that users of this text will become more competent, provide improved service to their patients and clients and, realizing their limitations, understand when to refer cases to colleagues with more expertise. The scope of this work is comparable to that of other reference texts that have been available for many years for most of the other animal species with which veterinarians practice their art and science. For companion avian practitioners, the book documents the scientific basis for veterinary practice that benefits these animals. *Avian Medicine: Principles and Application* also marks a stage in the maturity and acceptance of avian species as patients for veterinary practitioners.

Veterinarians and other scientists interested in the avian species will recognize the considerable efforts that the editors and authors have made. *Avian Medicine: Principles and Application* is rooted in fact and made relevant to practice by the experience of the

contributors. These experiences, when combined with scientific facts derived from dispersed literature sources as a foundation, plus the excellent illustrations, come together in a way that makes *Avian Medicine: Principles and Application* a powerful tool for education.

Education in avian medicine is expanding in some of our veterinary colleges. Some colleges have strong, internationally recognized programs in poultry and/or companion avian medicine. These programs are likely to provide centers of excellence for all veterinary students interested in birds. This book will be a resource to stimulate and enhance that student interest.

Avian medicine has a great future. New standards based on comprehensive scientific information are available. In the past, much empirical or clinical experience information was held by relatively few practitioners. Their experiences, while shared through traditional continuing education programs and some publications, were not widely accepted as having a strong scientific foundation. This book provides critical linkage between scientific data and clinical experience. Time will prove the acceptance and usefulness of the efforts of the editors and authors. I commend them for their contribution to veterinary medicine and appreciate having this opportunity to provide a few introductory thoughts.

Oscar J. Fletcher, Dean
College of Veterinary Medicine
North Carolina State University
Raleigh, North Carolina