

List of Our Publications on Poultry Sciences

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DIAGNOSTIC REFERENCE TO ETIOLOGY, SIGNS, PATHOLOGY AND TREATMENT TEXT BOOK STUDENT EDITION				
PATHOLOGY AND TREATMENT OF DISEASES OF POULTRY DIAGNOSTIC REFERENCE TO ETIOLOGY, SIGNS, PATHOLOGY AND TREATMENT TEXT BOOK LIBRARY EDITION	SINGH, C.D.N., SINGH, S.D., VERMA, S.P. & PRASAD, L.N.	81-8189-167-8	HB	FORTHCOMING
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पोखरी पक्षियों का उत्पादन	MADREWAR, B.P.	81-8189-115-5	PB	110.00 2006
बीमारियों का होम्योपैथिक एवं एलोपैथिक औषधोपचार	MADREWAR, B.P.	81-8189-117-1	PB	150.00 2006

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ISBN 81-8189-157-0
Price ₹ 1200/-

Avian Disease Manual

B. R. Charlton
Chief Editor

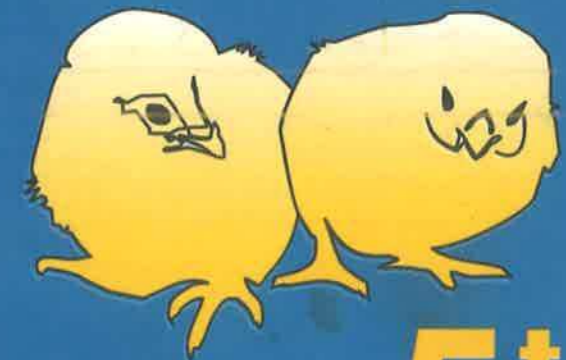


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636.508 96 CHA/A



International Book Distributing Co.

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American Association Of Avian Pathologists, USA

5th
Edition

Avian Disease Manual

Fifth Edition



Edited by

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International Book Distributing Co.

(Publishing Division)

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American Association of Avian Pathologists, USA

Published by

INTERNATIONAL BOOK DISTRIBUTING CO.

(Publishing Division)
Chaman Studio Building, 2nd Floor,
Charbagh, Lucknow 226 004 U.P. (INDIA)
Tel. : Off. : 2450004, 2450007, 2459058 Fax : 0522-2458629
E-Mail : ibdco@sancharnet.in

First Indian Reprint 2006

Price: **CBS PD**
21200-0-

ISBN 81-8189-157-0

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Fifth Edition

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Published under arrangement with American Association of Avian Pathologists, Inc., Kennett Square,
Pennsylvania, USA.

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Printed at:

Salasar Imaging Systems
C-7/5, Lawrence Road Industrial Area
Delhi - 110 035
Tel. : 011-27185653, 9810064311

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PREFACE TO THE FIFTH EDITION

Unlike many other AAAP publications, this manual was not a multiauthored text. The initial manuscript, written by C. E. Whiteman and A. A. Bickford, was presented to the AAAP by the authors in 1978. The AAAP Board accepted the manual with the stipulation that an editorial committee consisting of Drs. H. J. Barnes, R. J. Eckroade, O. J. Fletcher, S. B. Hitchner, and A. C. Straffuss review it. Dr. Whiteman coordinated the editorial review, incorporated recommended additions and changes, and arranged for the initial printing. The first edition of the manual was available for sale by the AAAP in 1980.

This fifth edition of the Avian Disease Manual attempts to follow previous editions in providing a concise and functional teaching reference. The editorial committee is greatly indebted to Dr. C. E. Whiteman, Dr. A. A. Bickford, and past editorial committees for the excellent and functional quality of all previous editions. We hope this edition will continue to be useful to instructors of avian diseases, veterinary students, poultry science students, and others who are interested in avian diseases. This manual, as is true of previous editions, attempts to condense and simplify the great mass of information available on poultry diseases.

The main text is composed of a series of descriptions of major poultry diseases, each in moderate detail and in a format that has been useful in teaching. Diseases described in the text are grouped by the nature of the etiologic agent (viral, bacterial, mycotic, parasitic, nutritional, etc.). Within each category the diseases are listed alphabetically. The Appendix contains tables, each of which lists the common diseases of a single body system. The tables are presented for systems teaching and permit a rapid overview of most diseases of each system. If more detail on a major disease is needed, it can be found in the main text.

Readers are advised that the information herein is derived from many sources and may contain unavoidable inaccuracies. In particular, medication recommendations should be compared carefully and superseded by recommendations made by manufacturers.

Appreciation is extended to the members of the editorial committee for their dedication, expertise and patience. A special thanks is extended to Jamie Hall and Susan McAdams for converting this manual into a new format.

ACKNOWLEDGMENTS

We gratefully acknowledge the contributions of the following resources:

- American Association of Avian Pathologists. Avian Diseases, AAAP, University of Pennsylvania, New Bolton Center, Kennett Square, PA
- Calnek, B. W. (ed). 1997. *Diseases of Poultry*, 10th ed. Iowa State University Press, Ames, IA
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Glossary

Gander	A male goose.
Gizzard	Ventriculus. A muscular enlargement of the alimentary canal in birds for grinding material entering from the proventriculus.
Hatchability	Refers to the number of eggs, in a fertile set, that hatch successfully. Also, may refer to the number of eggs that hatch of the total number of eggs set.
Hatcher	A piece of equipment for hatching eggs.
Hen	The female chicken and certain other female birds.
Incubation	The process of hatching chicks, by artificial means, usually in closely controlled sanitation and climatic conditions.
Incubation period	The time required for hatching of fertile eggs.
Layer	A common breed of chicken developed for egg laying. In the United States most layers are white leghorns.
Meat birds	See broiler, cornish, and roaster.
Molting	The process of shedding and replacing the feathers. Chickens can be "force molted" by manipulating the diet and light.
Parental immunity	Immunity obtained through antibodies passed to the chick through absorption of yolk material.
Potentiation	The process of increasing the activity of certain antibiotics. This is accomplished by combining two drugs that have synergistic action or by decreasing the calcium level in the diet.
Poult	A young turkey, pheasant, or similar fowl.
Proportioner	A mechanical device that dispenses a measured amount of medicinal or nutritional solutions into drinking water lines.
Proventriculus	Granular stomach of the chicken and other avian species.
Pullet	A young hen, usually not more than 1 year old.
Ranged Poultry	Birds allowed access to a pasture or large lot.
Roaster	Meat-type chickens grown to live weights between 6 and 8 lb. Often these are cockerels because of their more rapid growth rates.
Rooster	A male chicken (cock) and certain other male birds.
Sentinel bird	Birds lacking immunity to specific diseases used for the detection of infectious agents by placement into commercial flocks. Seroconversion or pathogen isolation is determined in these previously naive birds.
Snood	A fleshy protuberance at the base of the beak of a turkey.
Spent fowl	Birds from layer or breeder flocks marketed for meat at the end of the laying cycle.

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