

The Dissection of Vertebrates A Laboratory Manual

Second
Edition

By Gerardo De Iuliis and Dino Pulerà

"This new lab manual by De Iuliis and Pulerà will quickly become the standard for veterinary and vertebrate zoology courses alike. The artwork is simply the best available, and appears more true-to-life than any others. The choice of including skeletal material beyond the standard fare (including *T. rex*!) makes this manual truly innovative. The text clearly explains the anatomy and goes into more detail than any similar manual, allowing the instructor to more easily tailor the manual to his or her course. Prepare to see this work mimicked by others!"

— **Dr. Randy F. Lauff**, Senior Laboratory Instructor, Department of Biology,
St. Francis Xavier University

"This manual is destined to be a must for the present generation of beginning and intermediate students in the anatomy of vertebrates. It blends a familiar language with the formalism and cadence of Victorian descriptions, all the while maintaining clear directions on dissection procedures, and amazing, realistic, art, rendering its reading a vivid experience. It is strongly based in the conceptual framework of phylogeny but without losing the practical spirit of manuals. The incorporation of new sections on examples often not (or ever) included in other works is a bonus that broadens its scope, flexibility, and utility."

— **Dr. Sergio F. Vizcaino**, División Paleontología Vertebrados, Museo de La Plata

"I am a huge fan of this lab manual, from its writing to its artwork. All-in-all, it is probably the most comprehensive yet accessible comparative vertebrate anatomy lab manual on the market."

— **Dr. Matthew F. Bonnan**, Associate Professor Biological Sciences, Western
Illinois University and Associate, Department of Zoology, Field Museum of
Natural History

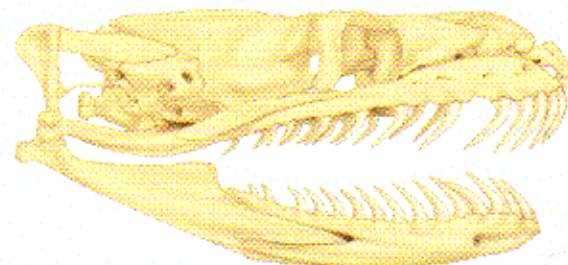
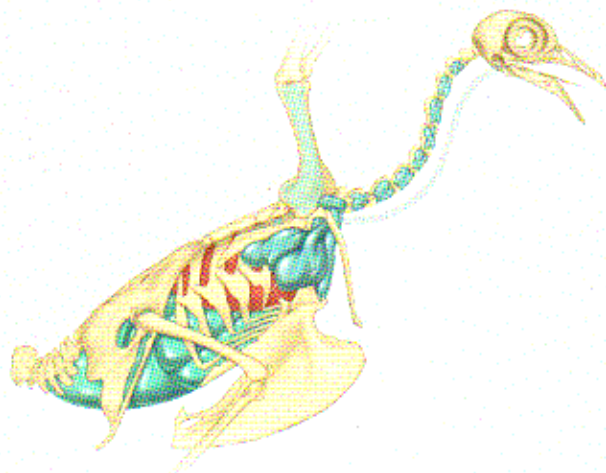
Detailed and concise dissection directions, updated valuable information, and extraordinary illustrations make *The Dissection of Vertebrates, Second Edition* the new ideal manual for students in comparative vertebrate anatomy, as well as a superb reference for vertebrate and functional morphology, vertebrate paleontology, and advanced level vertebrate courses.

This newly revised edition of the most comprehensive manual available continues to offer today's more visually-oriented student with a manual combining pedagogically-effective text with high-quality, accurate and attractive visual references. This new edition features updated and expanded phylogenetic coverage, new sections on mudpuppy musculature and comparative mammalian skulls and reptile skulls.

Using the same systemic approach within a systematic framework as the first edition, *The Dissection of Vertebrates, Second Edition* covers several animals commonly used in providing an anatomical transition sequence. Seven animals are covered: lamprey, shark, perch, mudpuppy, frog, pigeon and cat, plus five reptile skulls and two mammal skulls.

Key Features

- Seven detailed vertebrate dissections, providing a systemic approach
- Includes carefully developed directions for dissection
- Original, high-quality award winning art
- Key Terms sections
- New chapter on reptile skulls
- Expanded and updated features on phylogenetic coverage, mudpuppy musculature, and comparative mammalian skulls



ACADEMIC PRESS

An imprint of Elsevier
elsevierdirect.com

ISBN 978-0-12-375060-0



9 780123 750600