

Fifth Edition

Vertebrate Endocrinology

David O. Norris and James A. Carr



Praise for the Previous Editions

"...constitutes a major and unique contribution to this area...contains a wealth of factual information...[and] admirably succeeds in stimulating the scientific curiosity of readers and in conveying a sense of fascination for the intricate mechanisms and importance of endocrinology."

—General and Comparative Endocrinology

"...a good text for comparative endocrinology classes or classes composed of students from a wide variety of disciplines...this book is well written and organized. Concepts are explained in a manner that should be easily understandable to beginning endocrinology students."

—Trends in Endocrinology and Metabolism

New To This Edition

- New full color format includes over 450 images, completely redrawn to help students better conceptualize major concepts
- Companion web site hosts all images from the book as PPT slides and .jpeg files
- All chapters are completely updated and revitalized and include study questions

About the Authors

Dr. David O. Norris has done research in environmental endocrinology and neuroendocrinology for more than 50 years, investigating the role of natural and anthropogenic environmental factors on thyroid, adrenal, and reproductive endocrinology in regards to development, sexual maturation, seasonal reproduction, and aging. Most of his research has involved fishes and amphibians. Dr. Norris was honored with the Robert L. Stearns Award for outstanding teaching, research and service at the University of Colorado. He is now Professor Emeritus in the Department of Integrative Physiology at Boulder Colorado.

Dr. James A. Carr is a Professor of Biology in the Department of Biological Sciences at Texas Tech University. His research has focused on various aspects of environmental endocrinology and neuroendocrinology for 25 years including the effects of opioid peptides on brainstem, cardiovascular areas and pituitary hormone secretion, the impact of environmental pollutants on the thyroid and reproductive axes in fishes and amphibians, and the impact of stress hormones on subcortical visual pathways involved in feeding.



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