

About the Book

This revised edition of *An Introduction to Animal Physiology* is intended for students of agriculture science and as an introductory text in physiology for veterinary students. The main emphasis is on the two areas of physiology that are of most importance in animal production: nutrition and digestion and the reproductive processes. The book has been brought thoroughly up to date taking care to preserve one of its essential features, which is simplicity of presentation. The description of the nervous system and endocrine glands emphasizes their participation in control systems that regulate bodily functions and maintain a constant internal environment. The nutrition of farm animals and the digestive processes of ruminants and non-ruminants are given special emphasis. Recent advances in reproductive physiology have given a better understanding of topics such as nourishment of the fetus and the mechanisms initiating birth. These are now described in the chapter on reproduction together with a description of the reproductive cycle and its endocrine control.

About the Authors

Dr Per Svendsen graduated as a veterinarian from The Royal Veterinary and Agricultural University of Copenhagen in 1963. In 1969 he earned his Master of Science degree in physiology from Cornell University, and in 1974 he received a doctorate in veterinary medicine from The Royal Veterinary and Agricultural University. The first edition of this book was written when Dr Svendsen was a lecturer in animal physiology at the University of Nairobi. He is now head of the Biomedical Laboratory at the University of Odense, Denmark.

Dr Anthony Carter received his education at Magdalene College, Cambridge, and the University of Lund in Sweden, where he proceeded to a PhD in 1970. He has taught physiology to biologists and medical students and is at present a lecturer in physiology at the University of Odense, Denmark.