
FUNDAMENTALS OF INSECT PHYSIOLOGY

Edited by

MURRAY S. BLUM

*University of Georgia
Athens, Georgia*

A Wiley-Interscience Publication

JOHN WILEY & SONS

New York • Chichester • Brisbane • Toronto • Singapore

1985

CONTENTS

Insect Physiology: Problems in Terminology <i>M. S. Blum</i>	1
1. Circulatory Systems <i>J. P. Woodring</i>	5
2. Nutrition and Digestive Organs <i>J. E. McFarlane</i>	59
3. Excretory Systems <i>D. G. Cochran</i>	91
4. The Integument <i>H. R. Hepburn</i>	139
5. Respiratory Systems <i>J. L. Nation</i>	185
6. Muscle Systems <i>T. Smyth, Jr.</i>	227
7. Nervous System: Electrical Events <i>D. L. Shankland and J. L. Frazier</i>	253
8. Nervous System: Sensory System <i>J. L. Frazier</i>	287
9. Nervous System: Functional Role <i>J. L. Eaton</i>	357

10. Behavioral Physiology <i>W. R. Tschinkel.</i>	391
11. Reproductive Systems <i>S. J. Berry</i>	437
12. Intermediary Metabolism <i>S. Friedman</i>	467
13. Hormone Action During Insect Development <i>H. Oberlander</i>	507
14. Exocrine Systems <i>M. S. Blum</i>	535
Index	581