

# 3 New Titles in PARASITOLOGY

## Ecological Aspects of Parasitology

edited by C. R. KENNEDY.

1976. xii + 468 pages. US \$55.95/Dfl. 145.00. ISBN 0-7204-0602-1

This comprehensive treatise discusses: the particular ecological problems facing parasites and the general nature of the solutions adopted by them; the problems facing parasites living in a range of organ systems, and the detailed ways in which they have coped with them; and the problems associated with the interaction of host and parasite populations.

**CONTENTS:** **Part I.** How Parasites Find Hosts. Host Selection and Its Consequences. Entry into the Host and Site Selection. Feeding. Negative Interaction Amongst Parasites. Host Responses. Reproduction and Dispersal. **Part II.** Interaction Between Arthropod Ectoparasites and Warm Blooded Hosts. Body Surface of Fishes. Gills. Lungs. The Peritoneal Cavity of Vertebrates. Musculature. Liver and Digestive Organs. Intestine. Parasites of the Eye and Brain. Blood Fluids - Helminths. Blood Fluids - Protozoans. Blood Cells. Intracellular - Coccidia. **Part III.** Dynamic Aspects of Parasite Population Ecology. **Index.**

## Biochemistry of Parasites and Host-Parasite Relationships

Proceedings of the Second International Symposium on the Biochemistry of Parasites and Host-Parasite Relationships, Beerse, Belgium, 28 June - 1 July 1976

Organized by the Janssen Research Foundation

edited by H. VAN DEN BOSSCHE.

1976. xii + 648 pages. US \$51.95/Dfl. 135.00. ISBN 0-7204-0592-0

An evaluation is made of current knowledge of protozoan and helminthian biochemistry, immunology and physiology, and the use of antiparasitic drugs as biochemical probes is discussed.

**CONTENTS:** **Metabolism.** 18 papers. **Nucleic Acids.** 10 papers. **Host-Parasite Relationships.** 23 papers. **Mode of Action of Antiparasitic Agents.** 18 papers. **Summary and Outlook.** **Author Index.** **Subject Index.**

## Biochemistry and Cytology of Plant-Parasite Interaction

edited by K. TOMIYAMA, J. M. DALY, I. URITANI, H. OKU and S. OUCHI.

1976. xiv + 256 pages. US \$31.50/Dfl. 82.00. ISBN 0-444-99831-4

Gathers together up-to-date research results on the induction mechanisms of plant tissue responses to invasion by pathogens. Topics discussed include the mechanisms of phytoalexin induction, parasite recognition by plant cells and defense action, and the physiological and biochemical processes involved.

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