

CONTENTS

INSECT PEPTIDES AND BIOREGULATION: PROCEEDINGS  
OF A WORKSHOP ON INSECT NEUROPEPTIDES

PREFACE  
E. P. Marks . . . . . 1

INSECT NEUROPEPTIDES-AN OVERVIEW  
B. J. Cook . . . . . 2

THE STRUCTURAL ELEMENT OF INSECT NEUROENDOCRINE SYSTEMS  
S. M. Meola . . . . . 9

CHRONOBIOLOGY OF PEPTIDE HORMONES-POSSIBLE APPLICATION TO  
STUDIES IN INSECTS  
D. K. Hayes . . . . . 13

CRUSTACEAN ERYTHROPHORE-CONCENTRATING HORMONE AND LOCUST  
ADIPOKINETIC HORMONE IN CRUSTACEA AND INSECTS: DETECTION,  
ISOLATION, AND BIOASSAY  
H. Jaffe . . . . . 16

NEUROENDOCRINE MODULATION OF CARBOHYDRATE METABOLISM  
A. C. Chen . . . . . 17

DO INSECTS HAVE TACHYKININS?  
G. M. Holman and B. J. Cook . . . . . 24

STUDIES ON THE MODE OF ACTION OF PROCTOLIN  
M. Wright and B. J. Cook . . . . . 26

CONTROL OF SPERMATOGENESIS IN THE TOBACCO BUDWORM, *HELIOTHIS VIRESCENS*  
M. J. Leob, E. P. Brandt, and E. P. Masler . . . . . 33

FACTORS AFFECTING OVARIAN MATURATION IN TWO *AEDES* MOSQUITOES  
E. P. Masler . . . . . 34

PHYSIOLOGICAL FUNCTION AND PARTIAL PURIFICATION OF AN OVARIAN  
MATURATION INHIBITOR FROM THE HOUSE FLY, *MUSCA DOMESTICA*  
T. J. Kelly, C. W. Woods, and M. J. Birnbaum . . . . . 36

LIST OF PARTICIPANTS . . . . . 38