

CONTENTS

Preface	7
ANDERSON, J. R.: The impact of recent technologies on research associated with blood feeding by flies	11
BECKER, N.: Microbial control of blood-sucking Diptera ...	27
DOWNES, J. A.: Behavioral characters and their diversification in the phylogeny of Diptera: mating in flight	39
FINCH, S.: Appraisal of possible pest management systems for controlling root-feeding dipterous pests of vegetable crops	55
GRIFFITHS, G. C. D.: Hypopygial musculature and its implications for homologies between Eremoneura and other Brachycera	71
GRIMALDI, D. A.: Cladistics and the classification of the Drosophilidae	85
HÖVEMEYER, K.: The study of dipterous populations and communities in European terrestrial ecosystems	99
IPE, I. M.: Researches in the Nematocera of the Orient. A review	111
KLINE, D. L.: Recent advances in the use of semiochemicals in surveillance and control of pest species of Diptera	121
KREMER, M., LEMBLÉ Ch. and MESSADDEQ, N.: <i>Culicoides</i> in 1990: an overview (Advances and achievements from 1985 to 1990)	139
KRIVOSHEINA, N. P.: Larval morphology and the classification of the Diptera	161

MARCHENKO, M. I.: Forensic entomology	183
MARSHALL, S. A.: New world Sphaeroceridae: an overview of the problem and some developing solutions	201
MATHIS, W. N.: Classification of the shore flies (Diptera: Ephydriidae). Past, present, and future	209
ŠIMIĆ, S.: Syrphidae (Diptera): current work and future tasks	229
TRPIS, M.: Vectorial capacity	241
WOOD, D. M.: Homology and phylogenetic implications of male genitalia in Diptera. The ground plan	255
von TSCHIRNHAUS, M.: New results on the ecology, morphology, and systematics of Agromyzidae (Diptera) ..	285
ULRICH, H.: The present state of comparative morphology of thoracic musculature in Diptera	315
VOGEL, M.: The importance of Diptera for nature conservation: a case study	327
WHITE, I. M.: The application of tephritid taxonomy to problems in plant quarantine and weed biological control	341
ZUSKA, J.: Do synanthropic Diptera differ from other synanthropes?	351
Authors' and editors' addresses	365