

CONTENTS

POINTS OF VIEW

- 1 Why is *Coccinella septempunctata* so successful? (A point-of-view) — I. HODEK & J.P. MICHAUD
- 13 The lock-and-key mechanisms of the internal genitalia of the Noctuidae (Lepidoptera): How are they selected for? — K. MIKKOLA
- 27 The wing stalk in Diptera, with some notes on the higher-level phylogeny of the order — J. STARÝ

ARTICLES

- 35 Silver-negative NORs in *Pamphagus ortolaniae* (Orthoptera: Pamphagidae) — R. VITTURI, A. LANNINO, C. MAN-SUETO, V. MANSUETO & M. COLOMBA
- 41 Origin of Jordanian honeybees *Apis mellifera* (Hymenoptera: Apidae) using amplified mitochondrial DNA — S. ZAITOUN, D.S. HASSAWI & W. SHAHROUR
- 45 Experimental hybridization between X0 and XY chromosome races in the grasshopper *Podisma sapporensis* (Orthoptera: Acrididae). II. Cytological analysis of embryos and adults of F₁ and F₂ generations — E. WARCHALOWSKA-ŚLIVA, A.G. BUGROV, Y. SUGANO, A. MARYAŃSKA-NADACHOWSKA & S. AKIMOTO
- 53 Chromosome number, karyotype morphology, heterochromatin distribution and nuclear DNA content of some talitroidean amphipods (Crustacea: Gammaridea) — A. LIBERTINI, R. TRISOLINI & M. RAMPIN
- 59 Cytogeography of three parallel Robertsonian polymorphisms in the water-hyacinth grasshopper, *Cornops aquaticum* (Orthoptera: Acrididae) — P.C. COLOMBO
- 65 Heterochromatin heteromorphism in *Holhymenia rubiginosa* (Heteroptera: Coreidae) — M.J. BRESSA, M.J. FRANCO, M.A. TOSCANI & A.G. PAPESCHI
- 73 Intronic sequences of the silkworm strains of *Bombyx mori* (Lepidoptera: Bombycidae): High variability and potential for strain identification — K.Y. KIM, E.M. LEE, I.H. LEE, M.Y. HONG, P.D. KANG, K.H. CHOI, Z.Z. GUI, B.R. JIN, J.S. HWANG, K.S. RYU, Y.S. HAN & I. KIM
- 81 Arrhythmic adult ecdysis but rhythmic emergence from the host chorion in *Trichogramma embryophagum* (Hymenoptera: Trichogrammatidae) — S.YA. REZNIK, N.D. VOINOVICH, N.P. VAGHINA & S.G. KARPOVA
- 87 Flight muscle breakdown in the green-veined white butterfly, *Pieris napi* (Lepidoptera: Pieridae) — F. STJERNHOLM & B. KARLSSON
- 93 Wing morph- and age-related differences in fertilization success of adult males of a flightless bug, *Pyrrhocoris apterus* (Heteroptera: Pyrrhocoridae) — R. SOCHA
- 99 Trophic egg provisioning in a passalid beetle (Coleoptera) — K. ENTO, K. ARAYA & S. KUDO
- 105 Habitat use and movement patterns in the endangered ground beetle species, *Carabus olympiae* (Coleoptera: Carabidae) — M. NEGRO, A. CASALE, L. MIGLIORE, C. PALESTRINI & A. ROLANDO
- 113 The role of plant phenology in the host specificity of *Gephyraulus raphanistri* (Diptera: Cecidomyiidae) associated with *Raphanus* spp. (Brassicaceae) — J. VITOU, M. SKUHRAVÁ, V. SKUHRAVÝ, J.K. SCOTT & A.W. SHEPPARD
- 121 Influence of abiotic factors on some biological and ecological characteristics of the aphid parasitoid *Aphelinus asychis* (Hymenoptera: Aphelinidae) parasitizing *Aphis gossypii* (Sternorrhyncha: Aphididae) — S. SCHIRMER, C. SENGONCA & P. BLAESER
- 131 Patch size and connectivity influence the population turnover of the threatened chequered blue butterfly, *Scolitanides orion* (Lepidoptera: Lycaenidae) — A. KOMONEN, T. TIKKAMÄKI, N. MATTILA & J.S. KOTIAHO
- 137 *Sycophila pistacina* (Hymenoptera: Eurytomidae): A valid species — H. LOTFALIZADEH, G. DELVARE & J.-Y. RASPLUS

NOTES

- 149 Seasonal activity-profiles of enzymes involved in cryoprotectant biosynthesis in *Pyrrhocoris apterus* (Heteroptera: Pyrrhocoridae) — M. TOLLAROVÁ
- 153 Male territorial behaviour of the endemic large carpenter bee, *Xylocopa (Koptortosoma) ogasawarensis* (Hymenoptera: Apidae), on the oceanic Ogasawara Islands — S. SUGIURA
- 159 Odour-mediated sexual attraction in nabids (Heteroptera: Nabidae) — S. ROTH, A. JANSSEN & M.W. SABELIS