

---

Contents—continued from outside back cover]

D. ACLÉ and R. B. ROLIM	337	Infestation of soybean with two species of pod-sucking bugs
E. C. W. LEONG and S. H. HO	343	Relative tolerance of <i>Liposcelis bostrychophila</i> (Bad.) and <i>L. entomophila</i> (End.) to some organophosphorus and carbamate insecticides
P. BASKER, L. S. RANGANATHAN and P. PADMANABHAN	351	The regulatory mechanism of the male accessory reproductive gland (ARG) of <i>Serinetha augur</i> (Fabr) (Heteroptera: Coreidae)—A cotton pest
M. M. MOHAMED-AHMED, L. H. OTIENO, S. MIHOK and J. MUCHIRI	361	Effect of temperature on the ovarian development in the pupa of <i>Glossinapallidipes</i> Austen I: Estimation of the environmental temperature exposure from the size of the first egg follicle
M. M. MOHAMED-AHMED, L. H. OTIENO and J. MUCHIRI	367	Effect of temperature on the ovarian development in the pupa of <i>Glossina pallidipes</i> Austen II: Influence on the reversed sequence of egg follicle maturation
W. NIGATU, B. PETROS, M. LULU, N. ADUGNA and R. WIRTZ	371	Species composition, feeding and resting behaviour of the common anthropophilic anopheline mosquitoes in relation to malaria transmission in Gambella, south west Ethiopia
Book review	379	
<i>Instructions to authors</i>	i	
<i>Author checklist</i>	iv	

# Insect Science and its Application

The International Journal of Tropical Insect Science

VOLUME 15 NUMBER 3

1994

## CONTENTS

- Y. D. DEEDAT 247 *Mini Review Article*  
Problems associated with the use of pesticides: An overview
- W. A. OVERHOLT, J. O. OCHIENG, P. LAMMERS and K. OGEDAH 253 *Research Articles*  
Rearing and field release methods for *Cotesia flavipes* Cameron (Hymenoptera: Braconidae), a parasitoid of tropical gramineous stem borers
- J. A. LITSINGER, N. CHANTARAPRAPHA, A. T. BARRION and J. P. BANDONG 261 Natural enemies of the rice caseworm *Nymphula depunctalis* (Guenée) (Lepidoptera: Pyralidae)
- F. AZEREFEGNE and A. GEBRE-AMLAK 269 Oviposition pattern and preference by *Busseola fusca* (Fuller) moths to different stages of maize plants
- A. J. TAMHANKAR 275 Influence of host presence, age and mating on the calling behaviour of female *Earias vitella* (Fabricius) (Lepidoptera: Noctuidae)
- H. C. SHARMA 281 Phagostimulant activity of sucrose, sterols and soybean leaf extractables to the cabbage looper *Trichoplusia ni* (Lepidoptera: Noctuidae)
- S. C. GOEL and B. SINGH 287 The intrinsic rate of natural increase and the life expectancy of *Lipaphis erysimi* (Kalt.) on mustard in India
- N. G. PATIL, P. S. BAKER and G. V. POLLARD 293 Life history parameters of the leucaena psyllid *Heteropsylla cubana* (Crawford) (Homoptera: Psyllidae) under various temperature and relative humidity regimes
- V. LIENARD et D. SECK 301 Revue des methodes de lutte contre *Callosobruchus maculatus* (F.) (Coleoptera: Bruchidae), ravageur des graines de niébé (*Vigna unguiculata* (L.) Walp) en Afrique tropicale
- K. G. BANUPRAKASH, R. GOVINDAN and M. C. DEVALAH 313 Heterosis observed in the hybrids between some improved multivoltines and bivoltines of *Bombyx mori* L.
- J. ALLOTEY and L. GOSWAMI 323 Damage caused to maize and groundnuts by the moths *Plodia interpunctella* (Hubn.) and *Ephesia cautella* (Wlk.) and control using local plant materials
- H. KUMAR and K. N. SAXENA 331 Infestation and damage on three maize cultivars by the stalk-borer *Chilo partellus* (Swinhoe) in relation to their yield in western Kenya

[continued on inside back cover

Indexed/Abstracted in  
Current Contents, CABS, C. A. B. International,  
BIOSIS, The African Book Publishing Record

ISSN 0191-9040  
ISIADL 15(3) 247-382 (1994)

Typeset by ICIPE Science Press, Nairobi, Kenya  
Printed by Regal Press, Nairobi, Kenya