

---

*Contents—continued from outside back cover]*

H. P. THINDWA	351	Red locust population monitoring and control in Malawi, 1988–1998
H. DOBSON	355	Advances in locust spraying technology
A. HASSANALI and M. O. BASHIR	369	Insights for the management of different locust species from new findings on the chemical ecology of the desert locust
J. W. BAHANA	377	Studies on the red locust, <i>Nomadacris septemfasciata</i> (Serville) (Acrididae: Cyrtacanthacridinae): Bibliography for the period 1940–1998
<i>Information for authors</i>	i–ii	
<i>Author checklist</i>	iii	
<i>Announcements</i>	v–vi	

---

Cover illustration by N. Mwanga Komeri: Red locust, *Nomadacris septemfasciata* (Serville), in flight.  
The red locust is one of the three most important locust species in Africa.

# INSECT SCIENCE AND ITS APPLICATION

The International Journal of Tropical Insect Science

Volume 19 Number 4

1999

## CONTENTS

E. K. BYARUHANGA

257 *Preface*

### *Preamble*

J. W. BAHANA and E. K. BYARUHANGA

259 Developments in the strategy of red locust plague prevention in the fifty-year history of the International Red Locust Control Organisation for Central and Southern Africa

M. R. MULELE and A. K. NGOLWE

265 Advances and review of strategies for red locust plague prevention: The control of red locust, *Nomadacris septemfasciata* (Serville) into the 21st century

P. A. SPURGIN and R. S. K. CHOMBA

273 Importance of regional cooperation in red locust control in Zambia

J. ROSENBERG

283 Regional control of the red locust, *Nomadacris septemfasciata* (Serville), in the first half of the 20th century

J. W. BAHANA and A. K. NGAZERO

291 A locust plague in the making: Upsurges of the red locust, *Nomadacris septemfasciata* (Serville) in Buzi-Gorongosa outbreak area, Mozambique in 1996

A. J. M. CARNEGIE

301 IRLCS, 1955–1958: Three years of development and progress in controlling the red locust, *Nomadacris septemfasciata*

D. M. HUNTER and P. A. SPURGIN

307 Origin of outbreaks of *Austracris guttulosa* (Walker) in Australia and *Nomadacris septemfasciata* (Serville) in southern Africa and its implications for their management

C. KOOYMAN

313 Prospects for biological control of the red locust, *Nomadacris septemfasciata* (Serville) (Orthoptera: Acrididae)

R. E. PRICE, E. J. MÜLLER, H. D. BROWN,  
P. D'UAMBA and A. A. JONE

323 The first trial of a *Metarhizium anisopliae* var. *acridum* mycoinsecticide for the control of the red locust in a recognised outbreak area

J. A. LOCKWOOD, C. R. BOMAR  
and A. B. EWEN

333 The history of biological control with *Nosema locustae*: Lessons for locust management

[Continued on inside back cover]

### Indexed/Abstracted in

Current Contents, C. A. B. Abstracts, BIOSIS, Zoological Record, Chemical Abstracts, The African Book Publishing Record, TROPAG & RURAL Abstracts and IBIDS database

ISSN 0191-9040

ISIADL 19(4) 257–398 (1999)



Published by ICIPE Science Press  
P.O. Box 72913, Nairobi, Kenya  
Printed by Regal Press (K) Ltd.

Available on-line at <http://www.bdt.org.br/bioline/ti>