

Journal of Tropical Ecology

**Volume 9
1993**

Reprinted with the permission of the original publisher
by
Periodicals Service Company
Germantown, NY
2009

Printed on acid-free paper.

**This reprint was reproduced from the
best original edition copy available.**

NOTE TO THE REPRINT EDITION:

**In some cases full page advertisements which do not add to
the scholarly value of this volume have been omitted.
As a result, some reprinted volumes may have irregular pagination.**

Journal of Tropical Ecology

VOLUME 9 1993

Editor

DR ADRIAN G. MARSHALL

Deputy Editors

DR M. D. SWAINE

DR D. M. NEWBERY

Editorial Assistant

HEATHER M. SABNIS

Editorial Board

PROFESSOR J. KIKKAWA

DR D. LIEBERMAN

DR F. P. MALAISSE

DR E. MEDINA

PROFESSOR D. U. U. OKALI

PROFESSOR P. S. RAMAKRISHNAN

DR. M. J. A. WERGER

DR GONG WOON-KHOON

Published for INTECOL and the ICSU Press by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS

PUBLISHED BY
THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE
The Pitt Building, Trumpington Street, Cambridge CB2 1RP
40 West 20th Street, New York, N.Y. 10011-4211, USA
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

© International Association for Ecology (INTECOL) 1993
Published for INTECOL AND THE ICSU Press by Cambridge University Press



Printed in Great Britain at the University Press, Cambridge

Goudberg, N. Bonell, M. and Benzaken, D. <i>Tropical rainforest research in Australia: present status and future directions for the Institute of Tropical Rainforest Studies</i>	364
Cubitt, G., Whitten, T. and Whitton, J. <i>Wild Indonesia</i>	380

BIODIVERSITY: SOME DIVERSE BOOKS REVIEWED

Terborgh, J. <i>Diversity and the tropical rain forest</i>	
Solbrig, O. T., Van Emden, H. M. and Van Oordt, P. G. W. J. <i>Biodiversity and global change</i>	
Shiva, V. <i>et al. Biodiversity: social and ecological perspectives</i>	385

Volume 9 Part 4 November 1993

A. ROUW: Regeneration by sprouting in slash and burn rice cultivation, Tai rain forest, Côte d'Ivoire	387
R. F. INGER and H. K. VORIS: A comparison of amphibian communities through time and from place to place in Bornean forests	409
E. J. FARNSWORTH and A. M. ELLISON: Dynamics of herbivory in Belizean mangal	435
U. M. CHANDRASHEKARA and P. S. RAMAKRISHNAN: Germinable soil seed bank dynamics during the gap phase of a humid tropical forest in the Western Ghats of Kerala, India	455
E. J. F. CAMPBELL and D. McC. NEWBERY: Ecological relationships between lianas and trees in lowland rain forests in Sabah, East Malaysia	467
K. J. GASTON and I. D. GAULD: How many species of pimplines (Hymenoptera: Ichneumonidae) are there in Costa Rica?	491
R. T. CORLETT: Reproductive phenology of Hong Kong shrubland	501
S. F. OBERBAUER, D. B. CLARK, D. A. CLARK, P. M. RICH and G. VEGA: Light environment, gas exchange, and annual growth of saplings of three species of rain forest trees in Costa Rica	511

BOOKS RECEIVED:

D. A. KING: Growth history of a Neotropical tree inferred from the spacing of leaf scars	524
M. A. GOMPPER and A. M. HOYLMAN: Grooming with <i>Trattinnickia</i> resin: a possible pharmaceutical plant use by coatis in Panama	523
R. A. de FIGUEIREDO: Ingestion of <i>Ficus enormis</i> seeds by howler monkeys (<i>Alouatta fusca</i>) in Brazil: effect on seed germination	541

BOOK REVIEWS:

Symposium volumes from Malaya	
Yap, S. K. and Lee, S. W. <i>In Harmony with nature</i>	434
Ismail, G. Mohamed, M. and Omar S. <i>Forest biology and conservation in Borneo</i>	434
Furtado, J. I., Morgan, W. B., Pfaffin, J. R. and Ruddle, K. <i>Tropical resources: ecology and development</i>	454
Kahn, F. and de Granville, J.-J. <i>Palms in forest ecosystems of Amazonia (Ecological Studies 98)</i>	468
Holttum, R. E. <i>Flora Malesiana: Series II – Pteridophyta: Ferns and Allies. Volume 2, part 1: Tectaria Group</i>	500
Sayer, A. J., Harcourt, C. Z. and Collins, N. M. <i>The conservation atlas of tropical forests – Africa</i>	543

INDEX OF SUBJECTS	545
------------------------------------	-----

INDEX OF AUTHORS	549
-----------------------------------	-----