Contents

Volume 10 Part 1 February 1994

T. B. A. BURGHOUTS et al.: Effects of tree species heterogeneity on leaf fall in primary and logged dipterocarp forest in the Ulu Segania Forest reserve, Sabah, Malaysia 1

M. GALETTI and F. PEDRONI: Seasonal diet of capuchin monkeys (Cebus apella) in a semideciduous forest in south-east Brazil 27

J. VAN VALKENBURG and P. KETNER: Vegetation changes following human disturbance of mid-montane forest in the Wau area, Papua New Guinea 41

H. LEIRS et al.: The basis of reproductive seasonality in Mastomys rats (Rodentia: Muridae) in Tanzania 55

P. MORENO-CASASOLA et al.: A comparative study of the effects of fluctuations in temperature and moisture supply on hard coat dormancy in seeds of coastal tropical legumes in Mexico 67

J. MEMMOT and S. L. SUTTON: Sandfly stratification on tree buttresses in a Costa Rican tropical rainforest 87

ANNOUNCEMENT: ECO-RIO '94 102

B. A. WILSON and D. M. J. S. BOWMAN: Factors influencing tree growth in tropical savanna: studies of an abrupt Eucalyptus boundary at Vapilika, Melville Island, northern Australia 103

L. J. WHITE: Sacoglottis gabonensis fruiting and the seasonal movements of elephants in the Lopé Reserve, Gabon 121

BOOK REVIEW:

INSTRUCTIONS TO AUTHORS 126

Volume 10 Part 2 May 1994

D. M. OLSON: The distribution of leaf litter invertebrates along a Neotropical altitudinal gradient 129

J. KORNING and H. BALSLEV: Growth rates and mortality of tropical lowland tree species and the relation to forest structure in Amazonian Ecuador 151

R. J. WHITTAKER and B. D. TURNER: Dispersal, fruit utilization and seed predation of Dysopyrum gaudichaudianum in early successional rainforest, Krakatau, Indonesia 167

M. F. MILLER: The fate of mature African Acacia pods and seeds during their passage from the tree to the soil 183

O. F. F. DE SOUZA and V. K. BROWN: Effects of habitat fragmentation on Amazonian termite communities 197

J. P. M. OVERMAN et al.: Evaluation of regression models for above-ground biomass determination in Amazon rainforest 207

A. A. ADU et al.: The response to salinity of a population of Dactylolimnium aegyptium from a saline habitat in southern Nigeria 219

P. J. K. McGOWAN: Display dispersion and micro-habitat use by the Malaysian peacock pheasant Polyplectron malacense in Peninsular Malaysia 229

H. TER STEEGE et al.: The effects of man-made gaps on germination, early survival and morphology of Chlorocardium rodiei seedlings in Guyana 245

ANNOUNCEMENT 260

J. M. DANGERFIELD and S. R. TELFORD: Population size structure and sex ratios in some woodlice (Crustacea: Oniscidae) from Southern Africa 261
SHORT COMMUNICATIONS:

Chen Zhanghe et al.: Studies on biomass and production of the lower subtropical evergreen broad-leaved forest in Heishiding Nature Reserve, China. VI. Distribution, biomass and production of roots. 273

D. G. Rumbold and S. C. Snedaker: Do mangroves float? 281

G. Strigel et al.: Nutrient input by rainfall into secondary forests in East Kalimantan, Indonesia 285

BOOKS RECEIVED. 280

BOOK REVIEWS:

Paine, R. J. IUCN directory of protected areas in Oceania (D. Lamb) 182

Fittkau, E. J. Studies on Neotropical fauna and environment. Special Issue: Life history traits in tropical invertebrates (J. M. Dangerfield) 272

Volume 10 Part 3 August 1994

L. J. T. White: Patterns of fruit-fall phenology in the Lopé Reserve, Gabon 289

L. J. T. White: The effects of commercial mechanised selective logging on a transect in lowland rainforest in the Lopé Reserve, Gabon 313

A. J. T. Johnsingh and J. Joshua: Avifauna in three vegetation types on Mundanthurai Plateau, South India 323

BOOK ANNOUNCEMENT 336

U. M. Chandrashekar and P. S. Ramakrishnan: Vegetation and gap dynamics of a tropical wet evergreen forest in the Western Ghats of Kerala, India 337

R. W. Wrangham et al.: Seed dispersal by forest chimpanzees in Uganda 355

D. De Steven: Tropical tree seedling dynamics: recruitment patterns and their population consequences for three canopy species in Panama 369

I. Poorter et al.: Spatial distribution of gaps along three catenas in the moist forest of Tai National Reserve, Ivory Coast 385

E. Barrios and R. Herrera: Nitrogen cycling in a Venezuelan tropical seasonally flooded forest: soil nitrogen mineralization and nitrification 399

K. Vink and E. Sri Purwanti: Population dynamics of two sympatric isopod species in a pine forest in central Java, Indonesia 417

SHORT COMMUNICATIONS

J. R. Stallings et al.: Use of space, and activity patterns of Brazilian Bamboo Rats (Kannabateomys ambylyonyx) in exotic habitat 431

P. J. Stephenson: Seasonality effects on small mammal trap success in Madagascar 439

R. T. Corlett: What is secondary forest? 445

BOOK REVIEWS:

Balslev, H. Neotropical montane forests. Biodiversity and conservation (M. D. Swaine) 383

Halffter, G. La diversidad biológica de Iberoamérica (A. Estrada) 384

National Research Council (US). Sustainable agriculture and the environment in the humid tropics (R. E. L. Naylor) 448

BOOKS RECEIVED. 438

Volume 10 Part 4 November 1994

J.-M. Thioallay: Structure, density and rarity in an Amazonian rainforest bird community 449

A. T. Oliveira-Filho: Effects of soils and topography on the distribution of tree species in a tropical riverine forest in south-eastern Brazil 483

P. Oliveira and P. Gibbs: Pollination biology and breeding systems of six Vochysia species (Vochysiaceae) in Central Brazil 509