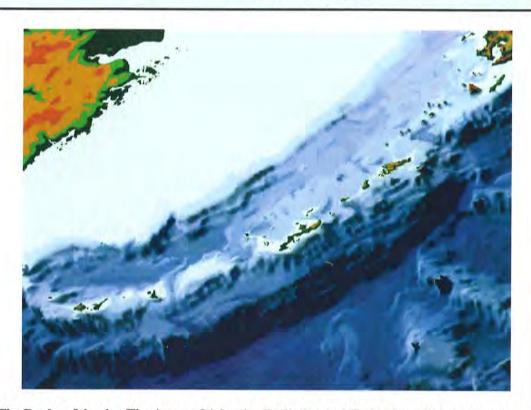
TROPICS

Vol. 10 No. 1 (Special Issue)

May 2000



International Symposium The Ryukyu Islands - The Arena of Adaptive Radiation and Extinction of Island Fauna Editeds by Hiroyuki OTSUKA, Hidetoshi OTA & Mitsuru HOTTA Preface 3 A. Changing Land Configuration and Biota in the Ryukyu Islands YAMADA, F., SUGIYAMA, K., ABE, S. & HANDA, Y. Present status and conservation of the endangered Amami rabbit *Pentalagus furnessi*. 87-92
YAMASAKI, K., CHIBA, S. & NAGAHAMA, H. Anisotoropic shape of islands and species richness of land snail fauna of the C. Adaptive Radiation and Extinction of Insular Vertebrates D. Human Colonization to the Islands

第10卷 第1号

2000年5月

熱帯研究

日本熱帯生態学会

目 次

	_
特集号	国際シンポジウム

琉球列島(南西諸島)―島嶼型動物相の適応放散と絶滅の舞台―

シンポジウムの記録
大塚裕之 はじめに
木村政昭 琉球弧の古地理
大塚裕之, 高橋亮雄 琉球列島における更新世脊椎動物相:その渡来と絶滅 25-40
大城逸朗, 野原朝秀 琉球列島の第四紀陸生脊椎動物の分布とその渡来 41-50
太田英利 琉球列島およびその周辺地域における爬虫・両生類相の地理的パタン 51-62
本川雅治 琉球列島における現生哺乳類の生物地理
玉手英利,真室里香,伊澤雅子,城間恒宏,土肥昭夫 ニホンジカ亜種間の遺伝的分化―
特にケラマジカの系統関係について
伊澤雅子, 阪口法明, 土肥昭夫 イリオモテヤマネコの保護管理の現状 79-85
山田文雄、杉村乾、阿部慎太郎、半田ゆかり 希少種アマミノクロウサギ Pentalagus furnessi の
現状と保全
山崎和仁、千葉聡、長濱裕幸 琉球列島の島の異方性と陸産貝類の種の多様性 93-101
J. A. ALCOVER 地中海西部の島嶼群における脊椎動物の進化と絶滅 103-123
J. de Vos 地中海クレタ島の第四紀シカ類化石相:その適応放散と絶滅 125-134
F. AZIZ インドネシア群島における更新世固有動物相
R.D.E. MACPHEE 大アンティレ諸島の陸棲哺乳類の歴史:生物地理, 古地理, 放散そして絶滅 . 145-154
松本幸英,大塚裕之 琉球列島の第四紀シカ類化石 Cervus (Metacervulus) astylodonにみられる
モルフォタイプと矮小化プロセス
松岡廣繁 中・南部琉球列島の後期更新世古鳥類相,及びその現世列島鳥類相に対する動物地理学的
意義
P. BOVER & J. A. ALCOVER Myotragus balearicus Bate 1909 (偶蹄類ウシカモシカ亜科) の極端な
島嶼型進化
P. Y. SONDAAR 早期人類による島嶼の探検と利用
馬場悠男 港川人の島嶼環境への身体適応

編集・発行 日本熱帯生態学会編集委員会 堀田満(編集委員長)

〒890-0065 鹿児島市郡元1丁目21-35

鹿児島大学理学部地球環境科学科(気付け)

Tel. 099-285-8166 Fax 099-259-4270

E-mail: hotta@sci.kagoshima-u.ac.jp

印刷 斯文堂株式会社 鹿児島市南栄3丁目1 Tel. 099-268-8211

印刷・発行日 2000年5月25日印刷 2000年5月30日発行

Published by the Japan Society of Tropical Ecology

The TROPICS is issued quarterly with one volume a year. It is open either to the results of original research, experimental or descriptive, or significant reviews of various aspects of tropical regions. The journal publishes papers in all aspects of ecology and/or other fields of science related to ecology. It aims not only to act as a valued means of communication between Japanese ecologists and other field scientists but also to stimulate the research activities of young ecologists/scientists of tropical nations especially in Southeast Asia. All the members of the society can contribute to TROPICS, and invited articles may be accepted at the request of editorial board. Special issues may be published on occasion by permission of editorial board, as monographs or reviews exceed approximately 100 pages in length.

Editor-in-Chief: Mitsuru HOTTA

(Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University)

Editorial Board

Takuya ABE (Kyoto University)

Akio FURUKAWA (National Institute for Environmental Studies)

Takashi KOHYAMA (Hokkaido University)

Narifumi MAEDA (Kyoto University)

David W. ROUBIK (Smithsonian Tropical Research Institute)

Yo-Ichiro SATO (Shizuoka University)

Isamu YAMADA (Kyoto University)

Seiki YAMANE (Kagoshima University)

Yusho ARUGA (Tokyo University of Fisheries)

Toshitaka IWAMOTO (Miyazaki University)

Naoki KOYAMA (Kyoto University)

Misa MASUDA (Tsukuba University)

Katsutoshi SAKURAI (Kochi University)

Eizi Suzuki* (Kagoshima University)

Takuo YAMAKURA (Osaka City University)

Tsuyoshi Yoneda* (Osaka Kyoiku University)

* secretaries of editorial board

Instructions to authors Two copies of manuscript, preferably in English (or Japanese), to be sent to the editors, typewritten on one side of paper, double-spaced, and with a wide margin. Underlinings to indicate letter types should be left to the editors. In addition to type-script copies, authors using word processing equipments are requested to submit a diskette or floppy disk with their text file. Preference is files in Microsoft Word for Macintosh, on double-sided 3.5 inch (DD, HD) diskettes. For texts processed on MS-DOS computers (preferably in MS-Word or Word Perfect), please submit double-sided (DD or HD) 3.5 inch floppy disks with the text saved as ASCII file.

The editors may ask the opinion of one or two reviewers before accepting or refusing the manuscript that has been submitted.

Summary. Each paper should be provided with a summary.

Citation of literature. In the text as follows: (Primack, 1991) or Ashton (1991). In the 'References' as follows:

Primack, R. B. & Hall P. 1991. Species diversity research in Bornean forests with implications for conservation biology and silviculture. *Tropics* 1: 91-111.

Jacobs, M. 1974. Botanical panorama of the Malesian archipelago. In UNESCO, Natural Resources of Humid Tropical Asia, 263-294. Paris.

Illustrations should be professionally drawn and lettered, or laser printed on smooth white paper. Photographs and color slides are also acceptable, but the author(s) will be charged for printing them in color.

Reprints. For articles with one author 50 copies free.

Manuscripts and correspondence concerning editorial matters should be addressed to Editorial Office of the Japan Society of Tropical Ecology, ^c/o Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University, Korimoto 1-21-35, Kagoshima 890-0065, Japan. Phone: + 91 - (0) 99 - 285 - 8166 Fax:+ 91 - (0) 99 - 259 - 4720 E-mail: hotta@sci.kagoshima-u.ac.jp

General Office of the Japan Society of Tropical Ecology addressed to ^c/₀ Dr. T. Yamakura, Faculty of Science, Osaka City University, Sumiyashi-ku, Osaka 558-0022, Japan. Phone: + 91 - (0) 6 - 6605-2582 Fax: 6605-2522

TROPICS

Vol. 10 No. 2

Dec. 2000



CONTENTS

- Kiyonori Tomiyama Daily dispersals from resting sites of the giant African snail, Achatina fulica (Férussac) (Pulmonata; Achatinidae), on a North Pacific Island

- Y. TANI Ecological factors affecting taungya farmers behavior in teak plantation projects: A case study in Bago Range, Union of Myanmar 273-286

The Japan Society of Tropical Ecology 日本熱帯生態学会

第10卷 第2号 2000年12月

熱带研究

日本熱帯生態学会

目 次

冨山清升 北部太平洋島嶼におけるアフリカマイマイの休息場所周辺での日周行動 243-2	
石塚悟史,櫻井克年,John Sabang, Joseph Jawa Kendawang, Hua Seng Lee マレーシアセ ワク州における焼畑放棄地の土壌特性251-2	ナラ 263
原口 昭,島田沢彦,高橋英紀 中央カリマンタン,マンクトゥップ川集水域のラヘイ周辺の泥炭の分布と化学特性265-2	
谷 祐可子 チーク植林地におけるタウンヤ農民の行動様式に対する生態条件の影響:ミャマー連邦バゴー山地を事例として273-2	
原後雄太 ブラジル・アマゾン地域における河川沿岸住民による森林管理の可能性ーパラ州グルパ君 おける事例研究ー 287-3	

編集·発行 日本熱帯生態学会編集委員会 堀田満 (編集委員長)

〒890-0065 鹿児島市郡元1丁目21-35

鹿児島大学理学部地球環境科学科(気付け)

Tel. 099-285-8166 Fax 099-285-8172

E-mail: hotta@sci.kagoshima-u.ac.jp

印刷 斯文堂株式会社 鹿児島市南栄3丁目1 Tel. 099-268-8211

印刷·発行日 2000年12月20日印刷 2000年12月25日発行

TROPICS 熱 帯 研 究

Published by the Japan Society of Tropical Ecology

The TROPICS is issued quarterly with one volume a year. It is open either to the results of original research, experimental or descriptive, or significant reviews of various aspects of tropical regions. The journal publishes papers in all aspects of ecology and/or other fields of science related to ecology. It aims not only to act as a valued means of communication between Japanese ecologists and other field scientists but also to stimulate the research activities of young ecologists/scientists of tropical nations especially in Southeast Asia. All the members of the society can contribute to TROPICS, and invited articles may be accepted at the request of editorial board. Special issues may be published on occasion by permission of editorial board, as monographs or reviews exceed approximately 100 pages in length.

Editor-in-Chief: Mitsuru HOTTA

(Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University)

Editorial Board

Yusho ARUGA (Tokyo University of Fisheries)
Toshitaka IWAMOTO (Miyazaki University)
Naoki KOYAMA (Kyoto University)
Misa MASUDA (Tsukuba University)
Katsutoshi SAKURAI (Kochi University)
Eizi SUZUKI* (Kagoshima University)
Takuo YAMAKURA (Osaka City University)
Tsuyoshi YONEDA* (Osaka Kyoiku University)

Akio Furukawa (National Institute for Environmental Studies)
Takashi Kohyama (Hokkaido University)
Narifumi Maeda (Kyoto University)
David W. Roubik (Smithsonian Tropical Research Institute)
Yo-Ichiro Sato (Shizuoka University)
Isamu Yamada (Kyoto University)
Seiki Yamane (Kagoshima University)

Instructions to authors Two copies of manuscript, preferably in English (or Japanese), to be sent to the editors, typewritten on one side of paper, double-spaced, and with a wide margin. Underlinings to indicate letter types should be left to the editors. In addition to type-script copies, authors using word processing equipments are requested to submit a MO diskette or floppy disk with their text file. Preference is files in Microsoft Word for Macintosh, on double-sided 3.5 inch (DD, HD) disks. For texts processed on MS-DOS computers (preferably in MS-Word or Word Perfect), please submit double-sided (DD or HD) 3.5 inch floppy disks with the text saved as ASCII file.

The editors may ask the opinion of one or two reviewers before accepting or refusing the manuscript that has been submitted.

Summary. Each paper should be provided with a summary.

Citation of literature. In the text as follows: (Primack, 1991) or Ashton (1991). In the 'References' as follows:

Primack, R. B. & Hall P. 1991. Species diversity research in Bornean forests with implications for conservation biology and silviculture. *Tropics* 1: 91-111.

Jacobs, M. 1974. Botanical panorama of the Malesian archipelago. *In*: UNESCO, *Natural Resources of Humid Tropical Asia*, 263-294. Paris.

Illustrations should be professionally drawn and lettered, or laser printed on smooth white paper. Photographs and color slides are also acceptable, but the author(s) will be charged for printing them in color.

Reprints. For articles with one author 50 copies free.

Manuscripts and correspondence concerning editorial matters should be addressed to Editorial Office of the Japan Society of Tropical Ecology, ^c/o Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University, Korimoto 1-21-35, Kagoshima 890-0065, Japan. Phone: (099) 285-8166 Fax: (099) 285-8172 E-mail: hotta@sci.kagoshima-u.ac.jp

General Office of the Japan Society of Tropical Ecology addressed to ^c/o Dr. T. Yamakura, Faculty of Science, Osaka City University, Sumiyashi-ku, Osaka 558-0022, Japan. Phone: (06) 6605-2582 Fax: 6605-2522

[Cover] Pradice birds in forest (based batik motief of Indonesia).

^{*} secretaries of editorial board

TROPICS

Vol. 10 No. 3 (Special Issue) March 2001



CONTENTS	
K. NAKAMURA & H. KATAKURA (eds.) Diversity of Indonesi Insects. Preface	1.10 trackers Hill 6. it.
F. ITO, Sk. YAMANE, K. EGUCHI, W. A. NOERDJITO, S. KAHONO, TSUJI, K. OHKAWARA, K. YAMAUCHI, T. NISHIDA, & NAKAMURA Ant species diversity in the Bogor Botanic Garde West Java, Indonesia, with descriptions of two new species of t genus <i>Leptanilla</i> (Hymenoptera, Formicidae)	69 K K en he 79
Calyptomyrmex sp. (Hymenoptera: Formicidae), in the Orien tropics)5 he
K. OHKAWARA — Short Communication — Effect of two army a species, Dorylus laevi-gatus and Pheidologeton affinis, on se survival and germination in bird-dispersed plant Dysoxylu alliaceum.	ec n
K. NAKAMURA, S. KAHONO, N. HASAN, I. ABBAS, S. NAKANO, KOJI, A. HASYIM, D. ASTUTI & SYAFRIL Long-term dynamics phytophagous lady beetle populations under different clima conditions in Sumatra and Java, Indonesia.	Soto
T. NISHIDA, K. NAKAMURA & W. A. NOERDITTO Population dynamic of an isolated population of the tropical Pyrrhocorid bu <i>Melamphaus faber</i> , feeding on seeds of <i>Hydnocarpus</i> trees and the specialist predator, <i>Raxa nishidai</i> in Bogor, West Java, Indonesia	g

M. T. KIMURA & Y. HIRAI Daily Activity and territoriality of Drosophila elegans in Sukarami, West Sumatra, Indonesia. 489

> The Japan Society of Tropical Ecology 日本熱帯生態学会

第10卷 第3号

2001年3月

熱帯研究

日本熱帯生態学会

目 次

3
7
25
4
53
体
63
の
59
護,
IJ
9
)5
0
19
物
1
-
.7
力
19
物
53
)-
73
の
31
動
39
- つ
7

編集・発行 日本熱帯生態学会編集委員会 堀田満(編集委員長)

〒890-0065 鹿児島市郡元1丁目21-35

鹿児島大学理学部地球環境科学科(気付け)

Tel. 099-285-8166 Fax 099-285-8172

E-mail: hotta@sci.kagoshima-u.ac.jp

印刷 斯文堂株式会社 鹿児島市南栄3丁目1 Tel. 099-268-8211

印刷・発行日 2001年3月1日印刷 2001年3月5日発行

TROPICS 熱 帯 研 究

Published by the Japan Society of Tropical Ecology

The TROPICS is issued quarterly with one volume a year. It is open either to the results of original research, experimental or descriptive, or significant reviews of various aspects of tropical regions. The journal publishes papers in all aspects of ecology and/or other fields of science related to ecology. It aims not only to act as a valued means of communication between Japanese ecologists and other field scientists but also to stimulate the research activities of young ecologists/scientists of tropical nations especially in Southeast Asia. All the members of the society can contribute to TROPICS, and invited articles may be accepted at the request of editorial board. Special issues may be published on occasion by permission of editorial board, as monographs or reviews exceed approximately 100 pages in length.

Editor-in-Chief: Mitsuru HOTTA

(Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University)

Editorial Board

Takuya ABE (Kyoto University)

Akio FURUKAWA (National Institute for Environmental Studies)

Takashi KOHYAMA (Hokkaido University)

Narifumi MAEDA (Kyoto University)

David W. ROUBIK (Smithsonian Tropical Research Institute)

Yo-Ichiro SATO (Shizuoka University)

Isamu YAMADA (Kyoto University)

Seiki YAMANE (Kagoshima University)

Yusho ARUGA (Tokyo University of Fisheries)

Toshitaka IWAMOTO (Miyazaki University)

Naoki KOYAMA (Kyoto University)

Misa MASUDA (Tsukuba University)

Katsutoshi SAKURAI (Kochi University)

Eizi SUZUKI* (Kagoshima University)

Takuo YAMAKURA (Osaka City University)

Tsuyoshi YONEDA* (Osaka Kyoiku University)

* secretaries of editorial board

Instructions to authors Two copies of manuscript, preferably in English (or Japanese), to be sent to the editors, typewritten on one side of paper, double-spaced, and with a wide margin. Underlinings to indicate letter types should be left to the editors. In addition to type-script copies, authors using word processing equipments are requested to submit a diskette or floppy disk with their text file. Preference is files in Microsoft Word for Macintosh, on double-sided 3.5 inch (DD, HD) diskettes. For texts processed on MS-DOS computers (preferably in MS-Word or Word Perfect), please submit double-sided (DD or HD) 3.5 inch floppy disks with the text saved as ASCII file.

The editors may ask the opinion of one or two reviewers before accepting or refusing the manuscript that has been submitted.

Summary. Each paper should be provided with a summary.

Citation of literature. In the text as follows: (Primack, 1991) or Ashton (1991). In the 'References' as follows:

Primack, R. B. & Hall P. 1991. Species diversity research in Bornean forests with implications for conservation biology and silviculture. *Tropics* 1: 91-111.

Jacobs, M. 1974. Botanical panorama of the Malesian archipelago. *In UNESCO*, *Natural Resources of Humid Tropical Asia*, 263-294. Paris.

Illustrations should be professionally drawn and lettered, or laser printed on smooth white paper. Photographs and color slides are also acceptable, but the author(s) will be charged for printing them in color.

Reprints. For articles with one author 50 copies free.

Manuscripts and correspondence concerning editorial matters should be addressed to Editorial Office of the Japan Society of Tropical Ecology, ^c/o Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University, Korimoto 1-21-35, Kagoshima 890-0065, Japan. Phone: (099) 285-8166 Fax: (099) 285-8172 E-mail: hotta@sci.kagoshima-u.ac.jp

General Office of the Japan Society of Tropical Ecology addressed to ^c/o Dr. T. Yamakura, Faculty of Science, Osaka City University, Sumiyashi-ku, Osaka 558-0022, Japan. Phone: (06) 6605-2582 Fax: 6605-2522

[Cover] [Cover] Pradice birds in forest (based batik motief of Indonesia).

Vol. 10 No. 4

March, 2001



CONTENTS

T. MAEYAMA, K. MAEKAWA & T. MATSUMOTO Molecular phylogeny of Rubiaceous epiphytic myrmecophytes based on the *atpB-rbcL* intergene region of cpDNA............509

A. FURUKAWA, T. TOMA, Y.MARUYAMA, Y. MATSUMOTO, A. UEMURA, A. M. ABDULAH, M. AWANGPhotosynthetic rates of four tree species in the upper canopy of a tropical rain forest at the Pasoh Forest Reserve in Peninsular Malaysia. 519

A. D. GURITNO & K. MURAO Deforestation issues related to continued forest industrialization in Indonesia—With special reference to supply and demand of raw materials. 609

The Japan Society of Tropical Ecology 日本熱帯生態学会

第10卷 第4号

2001年3月

熱帯研究

日本熱帯生態学会

目 次

前山智宏、前川清人、松本忠夫 クロロプラスト atpB-rbcL intergene の塩基配列に基づく
アカネ科着生性アリ植物の分子系統学的研究506
古川昭雄,,藤間剛,丸山温,松本陽介,上村明,A.M. ABDULAH,M. AWANG 半島マレー
シア・パソーの林冠部における4樹種の光合成速度と気孔コンダクタンスの日変化
519
大塚俊之 ボルネオ島北東部の大規模開発地域における初期二次遷移のバイオマス変化. 529
K. O. ASUBONTENG, 久保田大輔,林慶一,增永二之,若月利之,E. I. ANDAH 持続的農業
生産のための内陸谷地集水域の特徴付けと評価―ガーナアシャンテ地域の半落葉樹林に
おけるケーススタディ 539
K. O. ASUBONTENG, 久保田大輔、林慶一、増永二之、若月利之、E. OTOO ガーナ、ア
シャンテ地域の内陸谷地低地の稲作における Sawah(水田)農業システムの効果 555
Sabaruddin Kadir, 石塚悟史、櫻井克年、田中壮太、久保田しのぶ、廣田円佳、Satria
Jaya Priatna, Juairiah インドネシア,南スマトラにおける異なる野火履歴をもつ
アルティソル土壌の性質: I. 物理化学性
針山孝彦, R.K.SAINI 臭い刺激はツエツエバエの色嗜好性を変える 581
赤嶺 淳 フィリピンにおけるナマコ資源利用:「伝統的」生業にみる連続と断続 591
Adi Djoko GURITNO, 村尾 行一 インドネシアにおける森林の減少と木材工業の進
展の関係 609

編集・発行 日本熱帯生態学会編集委員会 堀田満 (編集委員長)

〒890-0065 鹿児島市郡元1丁目21-35

鹿児島大学理学部地球環境科学科(気付け)

Tel. 099-285-8166 Fax 099-285-8172

E-mail: hotta@sci.kagoshima-u.ac.jp

印刷 斯文堂株式会社 鹿児島市南栄3丁目1 Tel. 099-268-8211

印刷・発行日 2001年3月5日印刷 2001年3月10日発行

TROPICS 熱 帯 研 究

Published by the Japan Society of Tropical Ecology

The TROPICS is issued quarterly with one volume a year. It is open either to the results of original research, experimental or descriptive, or significant reviews of various aspects of tropical regions. The journal publishes papers in all aspects of ecology and/or other fields of science related to ecology. It aims not only to act as a valued means of communication between Japanese ecologists and other field scientists but also to stimulate the research activities of young ecologists/scientists of tropical nations especially in Southeast Asia. All the members of the society can contribute to TROPICS, and invited articles may be accepted at the request of editorial board. Special issues may be published on occasion by permission of editorial board, as monographs or reviews exceed approximately 100 pages in length.

Editor-in-Chief: Mitsuru HOTTA

(Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University)

Editorial Board

Takuya ABE (Kyoto University)

Akio FURUKAWA (National Institute for Environmental Studies)

Takashi Kohyama (Hokkaido University)

Narifumi MAEDA (Kyoto University)

David W. ROUBIK (Smithsonian Tropical Research Institute)

Yo-Ichiro SATO (Shizuoka University)

Isamu YAMADA (Kyoto University)

Seiki YAMANE (Kagoshima University)

Yusho ARUGA (Tokyo University of Fisheries)

Toshitaka Iwamoto (Miyazaki University)

Naoki KOYAMA (Kyoto University)

Misa MASUDA (Tsukuba University)

Katsutoshi SAKURAI (Kochi University)

Eizi Suzuki* (Kagoshima University)

Takuo YAMAKURA (Osaka City University)

Tsuyoshi YONEDA* (Osaka Kyoiku University)

* secretaries of editorial board

Instructions to authors Two copies of manuscript, preferably in English (or Japanese), to be sent to the editors, typewritten on one side of paper, double-spaced, and with a wide margin. Underlinings to indicate letter types should be left to the editors. In addition to type-script copies, authors using word processing equipments are requested to submit a diskette or floppy disk with their text file. Preference is files in Microsoft Word for Macintosh, on double-sided 3.5 inch (DD, HD) diskettes. For texts processed on MS-DOS computers (preferably in MS-Word or Word Perfect), please submit double-sided (DD or HD) 3.5 inch floppy disks with the text saved as ASCII file.

The editors may ask the opinion of one or two reviewers before accepting or refusing the manuscript that has been submitted.

Summary. Each paper should be provided with a summary.

Citation of literature. In the text as follows: (Primack, 1991) or Ashton (1991). In the 'References' as follows:

Primack, R. B. & Hall P. 1991. Species diversity research in Bornean forests with implications for conservation biology and silviculture. *Tropics* 1: 91-111.

Jacobs, M. 1974. Botanical panorama of the Malesian archipelago. *In UNESCO*, *Natural Resources of Humid Tropical Asia*, 263-294. Paris.

Illustrations should be professionally drawn and lettered, or laser printed on smooth white paper. Photographs and color slides are also acceptable, but the author(s) will be charged for printing them in color.

Reprints. For articles with one author 50 copies free.

Manuscripts and correspondence concerning editorial matters should be addressed to Editorial Office of the Japan Society of Tropical Ecology, ^c/o Department of Earth and Environmental Sciences, Faculty of Science, Kagoshima University, Korimoto 1-21-35, Kagoshima 890-0065, Japan. Phone: (099) 285-8166 Fax: (099) 285-8172 E-mail: hotta@sci.kagoshima-u.ac.jp

General Office of the Japan Society of Tropical Ecology addressed to ^c/o Dr. T. Yamakura, Faculty of Science, Osaka City University, Sumiyashi-ku, Osaka 558-0022, Japan. Phone: (06) 6605-2582 Fax: 6605-2522

[Cover] Profile of a tropical rain forest, near Luasong Camp, Tawau, Sabah.