Contents, Vol. 68, 1997

Editor-in-Chief

R.H. Crompton, Liverpool

Associate Editor

D.J. Olivers, Cambridge

Editorial Board

G. Anzenberger, Zurich A.F. Dixson, Cambridge W. Fiedler, Vienna A. Gautier-Hion, Plélan-le-Grand Paula Jenkins, London Alison Jolly, Princeton, N.J. W. Leutenegger, Madison, Wise W.P. Lockett, San Juan, P.R. W.C. McGrew, Oxford, Ohio E.W. Menzel, Stony Brook, N.Y.

J.F. Oates, New York, N.Y. H. Preuschoft, Bochum Alison F. Richard,

New Haven, Conn. E.L. Simons, Durham, N.C. E. Thenius, Vienna P. Timmermans, Nijmegen

Marina Vancantova, Prague Elisabetta Visalberghi, Rome P. Winkler, Göttingen R. Wrangham, Boston, Mass. H. Zapfe, Vienna

KARGER

Basel · Freiburg · Paris · London · New York · New Delhi · Bangkok · Singapore · Tokyo · Sydney

KA I G E I M I % s h t s reserved · © Copyright 1997 by S. Karger AG,

No part of this publication may be translated into P.O. Box, CH-4009 Basel (Switzerland)

other languages, reproduced or utilized in any Printed in Switzerland on acid-free paper by

S Karser f r m o r ^ y a n Y means, electronic or mechanical, Reinhardt Druck, Basel

Medical and Scientific Publishers includinkg Photocopying, recording, microcopy-

. i n g, or by any information storage and retrieval

Basel · Freiburg · Paris · London system, without permission in writing from the

New York · New Delhi · Bangkok publisher or, in the case of photocopying, direct

Singapore · Tokyo · Sydney payment of a specified fee to the Copyright Clear-

ance Center (see 'General Information').

Contents Vol. 68, 1997

Folia Primatologica

No. 1

No. 2

95

100

106

110

Reviewed Article

1 Ontogenetic Variation in Small-Bodied New World Primates: Implications for Patterns of Reproduction and Infant Care

Garber, P.A.; Leigh, S.R. (Urbana, 111.)

Brief Reports

23 Complex Tool Manufacture by a Wild Bonnet Macaque, *Macaca radiata*

Sinha, A. (Bangalore)

26 Genetic Relatedness and Alloparental Behaviour in a Captive Group of Spider Monkeys

(*Ateles geoffroyi*)

Matisoo-Smith, E.; Watt, S.L.; Allen, J.S. (Auckland); Lambert, D.M. (Palmerston)

31 A Re-Evaluation of Factors Influencing the Sex Ratio of Spider Monkey Populations with New Data from Maraca Island, Brazil

Nunes, A. (Belém); Chapman, C.A. (Gainesville, Fla.)

34 Predation on Milne-Edward's Sifaka (*Propithecus diadema edwardsi*) by the Fossa (*Cryptoprocta ferox*) in the Rain Forest of Southeastern Madagascar

Wright, P.C. (Stony Brook, N.Y.); Heckscher, S.K. (Albuquerque, N. Mex.); Dunham, A.E. (Stony Brook, N.Y.)

44 Daddy's Girl? Anomalous Social Rank of a Female Rhesus Macaque (*Macaca mulatta*)

Ball, H.L. (Durham)

50 *Pan paniscus* and Hominoid Phylogeny:

Morphological Data, Molecular Data and 'Total Evidence'

Barriel, V. (Paris)

Reviewed Articles

57 The Length of the Vertebral Column of Primates: An Allometric Study

Majoral, M. (Barcelona); Berge, C. (Paris); Casinos, A. (Barcelona); Jouffroy, F.-K. (Paris)

77 Mothers in a Wild Group of Moor Macaques (*Macaca maurus*) Are More Attractive to Other Group Members When Holding Their Infants

Matsumura, S. (Aichi)

Brief Reports

86

First Discovery of the Hairy-Eared Dwarf Lemur (*Allocebus trichotis*) in a Highland Rain Forest of Eastern Madagascar

Rakotoarison, N. (Antananarivo); Zimmermann, H. (Stuttgart); Zimmermann, E. (Hannover/Göttingen)

Possible Involvement of Sexual Selection in Neocortical Evolution of Monkeys and Apes

Sawaguchi, T. (Sapporo)

Conspecific Aggression and Predation: Costs for a Solitary Mantled Howler Monkey

Cuarón, A.D. (Cambridge)

Dental Age Determination in Young Bushbabies

Molez-Verrière, N.; Vincent, F. (Nanterre)

Helping Behaviour in Captive Pileated Gibbons (*Hylobates pileatus*)

Geissmann, T.; Braendle, C. (Zurich)

KÄRGER

E-Mail karger@karger.ch Fax+41 61 306 12 34 <http://www.karger.ch>

©1997 S. Karger AG, Basel

The list of contents is available at: <http://www.karger.ch/journals/fpr/fprcont.htm>

III

No. 3-5

No. 6

The Biology and Conservation of New World Primates

117 Editorial

Box, H.O. (Reading); Buchanan-Smith, H.M. (Stirling)

120 Mate Preferences of Wild Muriqui Monkeys

(*Brachyteles arachnoides*): Reproductive and Social Correlates

Strier, K.B. (Madison, Wis.) 134 Conservation of Neotropical Primates: Threatened Species and an Analysis of Primate Diversity by Country and Region

Rylands, A.B. (Belo Horizonte); Mittermeier, R.A. (Washington, D.C.); Rodriguez-Luna, E. (Veracruz)

161 Geographic Distribution of the Golden-Headed Lion Tamarin, *Leontopithecus chrysomelas*. Implications for Its Management and Conservation

de S. Pinto, L.P.; Rylands, A.B. (Belo Horizonte)

181 Uncertain Conservation Status of Squirrel Monkeys in Costa Rica, *Saimiri oerstedii* and *Saimiri oerstedii citrinellus*

Boinski, S.; Sirot, L. (Gainesville, Fla.)

194 Feeding Behaviour and Predation of a Bat by *Saimiri sciureus* in a Semi-Natural Amazonian Environment

Souza, L.L.; Ferrari, S.F.; Pina, A.L.C.B. (Belém)

199 Effects of Habitat Quality and Hunting Pressure on Arboreal Folivore Densities in Neotropical Forests: A Case Study of Howler Monkeys (*Alouatta* spp.)

Peres, C.A. (Norwich)

223 The Ecology, Biogeography and Conservation of the Uakaris, Cacajao (*Pitheciinae*)

Barnett, A.A.; Brandon-Jones, D. (Reading)

236 Experimental Field Study of Spatial Memory and Learning in Wild Capuchin Monkeys (*Cebus capucinus*)

Garber, P.A. (Urbana, Ill.); Paciulli, L.M. (Stony Brook, N.Y.)

254 Can Spider Monkeys (*Ateles geoffroyi*) Discriminate Vocalizations of Familiar Individuals and Strangers?

Teixidor, P.; Byrne, R.W. (St. Andrews)

265 Social Memory in Saddle-Back Tamarins (*Saguinus fuscicollis*)

Epple, G.; Niblick, H. (Philadelphia, Pa.)

272 Tamarin Mixed-Species Groups: An Evaluation of a Combined Captive and Field Approach Buchanan-Smith, H.M.; Hardie, S.M. (Stirling)

287 The Relationship between Body Size and Mixed-Species Troops of Tamarins (*Saguinus* spp.)

Heymann, E.W. (Göttingen)

296 Foraging Strategies among Male and Female Marmosets and Tamarins (*Callitrichidae*): New Perspectives in an Underexplored Area

Box, H.O. (Reading)

307 Autonomic Balance in *Saimiri sciureus* and *Callicebus moloch*: Relation to Life-Style
Mendoza, S.P.; Mason, W.A. (Davis, Calif.)
Reviewed Article

321 Inter- and Intraspecific Variation in the Diets of Sympatric Siamang (*Hylobates syndactylus*)
and Lar Gibbons (*Hylobates lar*)
Palombit, R.A. (Davis, Calif.)
Brief Reports

338 Observation of Periparturitional Behaviour in Wild Yakushima Macaques (*Macaca fuscata yakui*)
Thomsen, R. (Munich) 342 Self-Suckling Behaviour by a Wild Chimpanzee
Matsumoto-Oda, A. (Kyoto)

344 Breeding Seasonality Affects the Association
between Dominance and Reproductive Success in Non-Human Male Primates
Paul, A. (Göttingen)

350 No Directionality of Short Tandem Repeat Evolution at the HPRT Locus in Catarrhine
Primates
Watanabe, Y.; Sakazume, T. (Tokyo); Kurosaki, K. (Tokyo/Chiba); Oota, H; Washio-Watanabe,
K.; Ueda, S. (Tokyo)

354 Meat Eating by Blue Monkeys (*Cercopithecus mitis stuhlmanni*): Predation of a Flying
Squirrel (*Anomalurus derbianus jacksonii*)
Fairgrieve, C. (Edinburgh)

357 Diet and Social Behaviour Changes in a Red Howler Monkey (*Alouatta seniculus*) Troop in
a Highly Degraded Rain Forest
de Thoisy, B.; Richard-Hansen, C. (Le Bourget-du-Lac) 362 A Small Fauna with *Oreopithecus*
bambolii from the Old Lignite Mine of Serrazzano in Val di Cecina (Late Miocene, Tuscany)
Rook, L.; Cioppi, E. (Florence)

366 Does Female Rank or Age Affect Mate Choice in Free-Ranging Rhesus Macaques?
Manson, J.H. (Los Angeles, Calif.)
Author Index Vol. 68, 1997
Subject Index Vol. 68, 1997
Author Index
Subject Index
IV
Folia Primatol Vol. 68, 1997
Contents