Contents

Part I Introduction

1 Advancing the Study of South American Primates ................. 3
   Paul A. Garber and Alejandro Estrada

Part II Taxonomy, Distribution, Evolution, and Historical Biogeography of South American Primates

2 The Diversity of the New World Primates (Platyrrhini): An Annotated Taxonomy ....................................... 23
   Anthony B. Rylands and Russell A. Mittermeier

3 Paleogeography of the South Atlantic: a Route for Primates and Rodents into the New World? .................. 55
   Felipe Bandoni de Oliveira, Eder Cassola Molina, and Gabriel Marroig

4 Platyrrhine Ecophylogenetics in Space and Time .................. 69
   Alfred L. Rosenberger, Marcelo F. Tejedor, Siobhán B. Cooke,
   and Stephen Pekar

Part III Recent Theoretical Advances in Primate Behavior and Ecology

5 Demographic and Morphological Perspectives on Life History Evolution and Conservation of New World Monkeys .............. 117
   Gregory E. Blomquist, Martin M. Kowalewski, and Steven R. Leigh

6 Long-Term Field Studies of South American Primates ............. 139
   Karen B. Strier and Sérgio L. Mendes

7 Sexual Selection, Female Choice and Mating Systems .............. 157
   Patrícia Izar, Anita Stone, Sarah Carnegie, and Erica S. Nakai
8 The Reproductive Ecology of South American Primates: Ecological Adaptations in Ovulation and Conception ..................................................... 191
Toni E. Ziegler, Karen B. Strier, and Sarie Van Belle

9 Genetic Approaches to the Study of Dispersal and Kinship in New World Primates ................................................... 211
Anthony Di Fiore

10 Predation Risk and Antipredator Strategies ........................................... 251
Stephen F. Ferrari

11 Mechanical and Nutritional Properties of Food as Factors in Platyrhine Dietary Adaptations .................................................. 279
Marilyn A. Norconk, Barth W. Wright, Nancy L. Conklin-Brittain, and Christopher J. Vinyard

12 Neutral and Niche Perspectives and the Role of Primates as Seed Dispersers: A Case Study from Rio Paratari, Brazil ................ 321
Kevina Vuliniec and Joanna E. Lambert

13 The Use of Vocal Communication in Keeping the Spatial Cohesion of Groups: Intentionality and Specific Functions .................... 341
Rogério Grassetto Teixeira da Cunha and Richard W. Byrne

14 Primate Cognition: Integrating Social and Ecological Information in Decision-Making ......................................................... 365
Paul A. Garber, Júlio César Bicca-Marques, and Maria Aparecida de O. Azevedo-Lopes

Part IV Conservation and Management of South American Primates

15 Impacts of Subsistence Game Hunting on Amazonian Primates ...... 389
Benoit de Thoisy, Cécile Richard-Hansen, and Carlos A. Peres

16 Primate Densities in the Atlantic Forest of Southeast Brazil: The Role of Habitat Quality and Anthropogenic Disturbance .......... 413
Naiara Pinto, Jesse Lasky, Rafael Bueno, Timothy H. Keitt, and Mauro Galetti

17 Ecological and Anthropogenic Influences on Patterns of Parasitism in Free-Ranging Primates: A Meta-analysis of the Genus Alouatta . . . 433
Martin M. Kowalewski and Thomas R. Gillespie
18 Primate Conservation in South America: The Human
and Ecological Dimensions of the Problem ..................... 463
Alejandro Estrada

Part V Concluding Chapter

19 Comparative Perspectives in the Study of South American
Primates: Research Priorities and Conservation Imperatives .... 509
Alejandro Estrada and Paul A. Garber

Author Index ................................................................. 533
Subject Index ............................................................... 547
Taxonomic Index .......................................................... 553
South American Primates
Comparative Perspectives in the Study of Behavior, Ecology, and Conservation
Garber, P.A.; Estrada, A.; Bicca-Marques, J.C.; Heymann, E.W.; Strier, K.B. (Eds.)
2009, XVI, 564 p., Hardcover
ISBN: 978-0-387-78704-6