

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 Érica 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 Platyrrhine 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 Vulinec 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 <i>Alouatta</i> . . .	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