

# Ross Douglas Earle MacPhee, PhD

(research) <http://www.amnh.org/science/bios/bio.php?scientist=macphee>

(for kids) <http://www.amnh.org/ology/features/ologist/macphee/>

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## BIOGRAPHICAL SKETCH

*Prior to joining the American Museum of Natural History in 1988 as Curator in the Division of Vertebrate Zoology, Dr. MacPhee was Associate Professor of Anatomy at Duke University Medical Center. He has also taught at Columbia University, New York University, and several universities in Canada. Dr. MacPhee's research interests span the evolutionary history of mammals, island biogeography, and the biology and causation of extinction. He has led or participated in more than 45 scientific expeditions in 14 countries, including both polar regions. He lives in Manhattan with wife Clare Flemming.*

## SUMMARY OF ACADEMIC CAREER

**Education—B.A. (First-Class Honours)** University of British Columbia, Vancouver, Canada, 1969; **Ph.D.** University of Alberta, Edmonton, Canada, 1977

**Academic Positions—Assistant Professor of Anatomy** (1979-1985) and subsequently **Associate Professor of Anatomy** with tenure (1985-1988), Duke University Medical Center; **Curator of Vertebrate Zoology/Mammalogy**, American Museum of Natural History, since 1988, with tenure; **Chairman**, Department of Mammalogy, 1993-1999. **Adjunct Associate Professor of Anthropology**, State University of New York at Stony Brook (1989—); **Adjunct Professor of Anthropology**, City University of New York (1991—); **Adjunct Senior Research Scientist**, CERC, Columbia University (1995—); **Adjunct Professor of Ecology, Evolution, and Environmental Biology**, Columbia University (Spring, 2004); **Visiting Instructor of Cell Biology**, New York University Medical Center (2005—)

**Major Involvements—Series Editor**, *Advances in Primatology*, Plenum (1990-1997); **Series Editor**, *Advances in Vertebrate Paleobiology*, Plenum/Kluwer (1997-2000); **Series Editor**, *Vertebrate Paleobiology and Paleoanthropology*, Springer (2003-2008); **Associate Editor**, *Journal of Human Evolution* (1990-1993). **Research Associate**, Section of Vertebrate Paleontology, Carnegie Museum of Natural History (1994–2005); **Fellow**, American Association for the Advancement of Science (1991—); **Steering Committee Member**, Committee on Recently Extinct Species (CREO) (1998—); **Member**, IUCN/WCU Advisory Committee on Historical Extinctions (2006—); **Curated Exhibitions: Cuba: Nature of an Island/Cuba: Naturaleza de una Isla** (April 1993–March 1994); **Endangered! Exploring a World at Risk** (8 March–1 September, 1996); **The Endurance: Shackleton's Legendary Antarctic Expedition** (10 April–11 October, 1999); **The Horse** (17 May 2008–4 January 2009) <http://www.amnh.org/exhibitions/horse/?section=multimedia#> **Race to the South Pole** [provisional title] (Spring, 2010)

## RESEARCH & TEACHING INTERESTS

Mammalian systematics; endangerment and extinction; island biogeography; mammalian paleontology; comparative morphology; theory and practice of systematic biology

**Current/scheduled teaching:** New York University School of Medicine, Department of Cell Biology, “Morphological and Developmental Basis of Medicine” (Spring, 2010)

## JOB HISTORY

**Visiting Assistant Professor**, University of Winnipeg, Department of Anthropology (1977-78); physical anthropology

**Visiting Assistant Professor**, University of Manitoba, Department of Anthropology (1978-79); physical anthropology and archeology

**Assistant Professor**, Duke University, Department of Anatomy (1979-1985); human gross anatomy, primate evolution

**Associate Professor**, Duke University, Department of Anatomy (1985-1988); human gross anatomy, primate evolution (tenured, 1985)

**Curator**, American Museum of Natural History, Department of Mammalogy (1988-date); mammalian evolution and systematics (tenured, 1989); **Chairman** (1993-2000)

## OTHER ACADEMIC POSITIONS AND ELECTIONS

**Member, IUCN/WCU Advisory Committee on Historical Extinctions** (2006—)

**Visiting Instructor**, Department of Cell Biology, **New York University School of Medicine**, NYC (2005—)

**Adjunct Professor**, Fall 2004, Department of Ecology, Evolution, and Environmental Biology, **Columbia University**, NYC, EEEB G4205 “Extinction Science”

**Adjunct Senior Research Scientist**, CERC, **Columbia University**, NYC (1995—)

**Adjunct Associate Professor**, Department of Anthropology and Doctoral Program in Anthropological Sciences, **Stony Brook University**, (1989-date)

**Adjunct Professor**, Doctoral Program in Anthropology, Graduate Center, **CUNY** (1991—)

**Fellow, American Association for the Advancement of Science** (1991—)

**Research Associate, Carnegie Museum of Natural History**, Pittsburgh (1994-2005)

**Associate, Consortium for Conservation Medicine** (Harvard/Tufts/USGS) (2002—)

## RECENT HONORS

**President, American Friends of the Hakluyt Society** (2006-2008). Funds scholarly publication of early works relevant to the history of exploration

**Distinguished Lecturer**, UMEB (Environmental Biology) Program, Florida International University (Sept. 14, 2002)

**Keynote Speaker**, Annual Meeting of the Pennsylvania Academy of Science (Wyomissing, PA, April 14, 2000)

**Cutting Edge Speaker**, Wildlife Disease Association of the American Association of Wildlife Veterinarians (Athens, Georgia, August 9, 1999)

**CINE Golden Eagle award**, 1999, for videos in AMNH *Endurance* exhibition: **Society for Environmental Design**, Honor Award (highest merit) (2000), for category “Exhibition Design/Museum Environments” (member of design team); **American Institute of Graphic Arts** "Communication Graphics 21" competition jury award (2000) for "Waves, sextant, and the *James Caird* from *Shackleton's Legendary Antarctic Expedition* interactive exhibition"

**Laureate** (with Manuel A. Iturralde-Vinent), 1997 Premio Anual, Academia de Ciencias de Cuba [Cuban national award for outstanding scientific research]; 2005 Agencia de Medio Ambiente, for “Origen y evolución del Caribe y sus biotas marinas y terrestres”

## FIELDWORK VENUES

**West Indies:** Anguilla 1988, 1989, 1991, 1995; Cuba 1990-2000 (quasiannually); Dominican Republic 1989, 1996; Jamaica 1981, 1993, 1995, 1996, 1999, 2000; Navassa 1999; Puerto Rico 1987, 1988, 1990, 1994; **Madagascar:** 1983-1985, 1987, 1989; **Europe:** Messel (Germany) 1986; Mallorca 1995; **Asia:** Indonesia 1989, 1992; China 1994; **South America:** Trinidad 1982; Patagonia (Chile & Argentina) 2001; **North America:** Banks I. (Canada, NWT) 2004; Yukon 2008; **Russia:** Wrangel I. 1998; Sakhalin I. 2002; Taimyr, 2000, 2001, 2005, 2006; **Antarctica:** Livingstone I. (South Shetlands) 2007, 2009; Seymour I. (Weddell Sea) 2008, 2009, 2010.

## CURRENT GRANTS — IN REVIEW (US FEDERAL)

**CURRENT GRANTS — AWARDED (US FEDERAL & FOREIGN)**

**NSF ANT 0925367** Collaborative Research [Workshop]: Austral Portals: Tectonics, Paleogeography and Biogeography (\$30,600; 09/01/2009-09/01/2010), PI (David Barbeau, co-PI)

**NSF OPP ANT 0636639**, Vertebrate paleontology of Livingston Island, South Shetlands, Antarctica (\$79,033; 2007-2009), PI

**ARC-DP 0878604 (Australian Research Council Discovery Project)**, Pleistocene evolutionary dynamics and past environments of Siberia: Reconstructions using luminescence dating of ancient DNA sedimentary archives (requested \$A471,794; 2008-2011), Participating Investigator (Lee Arnold, Chief Investigator; H Poinar, Participating Investigator)

**PREVIOUSLY AWARDED GRANTS — US FEDERAL**

**NSF DEB 8021735**, Biogeographic and systematic studies of extinct Antillean land mammals (\$18,338; 1981-1982), PI

**NSF DEB 8208797**, Comparative embryology of the basicranium and primate relationships (\$195,000; 1982-1985), PI (M Cartmill, co-PI)

**NSF BSR 8501079**, Extinction, causation, and explicit tests: the Holocene megafaunal extinctions in Madagascar (\$160,000; 1985-1987), PI (RE Dewar & NA Wells, co-PIs)

**NSF BSR 8708250**, Human settlement, environmental change, and megafaunal extinctions in Madagascar (\$320,000; 1987-1990), PI (RE Dewar, DA Burney, & NA Wells, co-PIs)

**NSF BSR 902002**, Cenozoic vertebrate paleontology and biogeography of Cuba and Hispaniola (\$107,000; 1991-1996), PI (ML Smith, co-PI)

**NSF BSR 902002**, supplemental Research Opportunity Award (1996), to support H Whidden's investigations of Antillean insectivores

**NSF OPP 9807670**, Mammalian extinction dynamics in the late Quaternary of Siberia and the hyperdisease hypothesis (\$50,000; 1998-1999), PI

**NSF OPP 0117400**, Megafaunal mammal genetics and extinction dynamics in the late Pleistocene: testing the hyperdisease hypothesis (\$473,067; 2001-2007), PI (AD Greenwood & R DeSalle, co-PIs)

**PREVIOUSLY AWARDED GRANTS — NONFEDERAL**

**National Geographic Society 2633-83**, Pre-Holocene mammalian paleontology of Madagascar: the absent record (\$21,190; 1983-1984), PI

**National Geographic Society 2826-84**, Extinct mammals of Madagascar: extending the record (\$25,072; 1984-1985), PI

**Philip M. McKenna Foundation**, Early land mammals of Puerto Rico (\$3,400; 1987-1988), PI

**Duke University Research Council**, Quaternary extinctions and environmental change in Puerto Rico (\$4,934; 1987-1988), co-PI (with DA Burney)

**Philip M. McKenna Foundation**, Origin of the vertebrate fauna of Hispaniola (\$1,980; 1990), co-PI (with ML Smith)

**Percy Sladen Memorial Fund**, Paleontological investigations in Anguilla, BWI (£500; 1990), co-PI (with DA McFarlane)

**Leakey Foundation**, The extinct platyrrhines of Cuba and Hispaniola (\$2500; 1990), PI

**Center for Biodiversity and Conservation (American Museum of Natural History)**, Investigations of rare and extinct mammals of Hispaniola (\$24,000; 1996), PI

**Center for Biodiversity and Conservation (American Museum of Natural History)**, for "Short Course in Advanced Methods of Systematics," conducted in La Habana, Cuba, January 1998 (\$27,000; 1998), PI

**Center for Biodiversity and Conservation (American Museum of Natural History)** (\$180,000; 1998-1999), for organizing CREO (Committee on Recently Extinct Organisms) and implementing research program on modern-era extinctions (with MJL Stiasny, R Tedford, & P Mikkelsen)

**Center for Environmental Research and Conservation (Columbia University)**, The determination of extinction across major taxonomic groups: convening a research team to evaluate criteria for consistent assessment of extinction evidence (\$12,000; 1999), co-PI (with W Hahn)

**Adler Fund**, Investigation of causes of megafaunal extinction (\$75,000; 1998-2000), PI

**Irene Diamond Fund**, Investigation of causes of megafaunal extinction (\$90,000; 1998-2001), PI

**National Geographic Society 6603-99**, Dawn of land mammals in West Indies: Seven Rivers, Jamaica (\$10,000; 2000-2001), PI

**Niarchos Foundation**, Support of Holarctic paleontological investigations (\$20,000; 2004-2005), PI

**Evelyn Stefansson Nef Foundation**, At the limit: woolly mammoth and other Pleistocene megafauna of the Canadian Arctic Archipelago (\$25,000; 2004-2005), PI

**Niarchos Foundation**, Support of paleontological investigations in Taimyr, Siberia (\$12,000; 2006-2007), PI

#### **OTHER PROFESSIONAL ACTIVITIES (PAST AND PRESENT)**

**Editor**, *Canadian Review of Physical Anthropology/Revue Canadienne d'Anthropologie Physique* (1978-79)

**Associate Editor**, *Journal of Human Evolution* (1990-1993)

**Series Editor**, *Advances in Primatology* (Plenum) (1990-1997)

**Series Editor**, *Advances in Vertebrate Paleobiology* (Plenum) (1995-2000)

**Series Editor**, *Vertebrate Paleobiology and Paleoanthropology* (Springer) (2003-date)

**Guest Editor**, *Discovering Archaeology* (October-November, 1999 issue on causes of Pleistocene extinctions)

**AMQUA "Ask an Expert"** (Quaternary Vertebrate Paleontology) (2000-2004)

**Member**, Intl. Honorary Board of Trustees, Mammoth Site of South Dakota (2002-date)

**Member**, Chancellor's Advisory Council, Caribbean Primate Research Center, Univ. Puerto Rico (1990-2000)

**Member**, Organizing Committee, *2005 World of Elephants Conference*.

**Consultant**, *What Killed the Megabeasts* (Discovery Channel, 2002)

**Consultant**, *Ice Age 2* (Blue Sky Productions, 2004)

**Consultant**, Discovery Communications, Quest program (2006-2007) and *The Baby Mammoth*

**Member**, International Scientific Committee of the 4<sup>th</sup> International Mammoth Conference, Yakutsk, 2007

#### **PROFESSIONAL SOCIETIES (PAST AND PRESENT)**

American Association for the Advancement of Science, American Association of Physical Anthropologists, American Society of Mammalogists, Society of Vertebrate Paleontology, American Quaternary Association, International Quaternary Association, Arctic Institute of North America

#### **OTHER SOCIETIES (PAST AND PRESENT)**

Hakluyt Society, Explorers Club, Society for the History of Discoveries, Polar Libraries Colloquy, Grolier Club

#### **CURATED EXHIBITIONS**

**Cuba: Nature of an Island/Cuba: Naturaleza de una Isla** (October 1993-March 1994) Photographic exhibition featuring the work of Alfonso Silva Lee (Akeley Gallery, AMNH)

**Endangered! Exploring a World at Risk** (March-September 1996) Examination of leading causes of endangerment and extinction of species in the modern world (Gallery 3, AMNH)

**The Endurance: Shackleton's Legendary Antarctic Expedition** (April-October 1999) Photographs and artifacts relating to Sir Ernest Shackleton's ill-fated 1914-1916 expedition to Antarctica (co-curated with Caroline Alexander; Gallery 77, AMNH)

**The Horse** (May 2008-January 2009) How humans changed horses and vice versa, from earliest interactions to the present (Gallery 4, AMNH) <http://www.amnh.org/exhibitions/horse/?section=multimedia#>

**Race to the South Pole** (Spring 2009) Discovery and science at the southern end of the world (Gallery 4, AMNH)

#### **GRADUATE STUDENTS & POSTDOCTORAL ASSOCIATES (RECENT)**

Grad Students: Jennifer White (PhD '93, SUNY Stony Brook, Dept of Anatomical Sciences); Ines Horovitz (PhD '97, Stony Brook Univ., Dept of Anatomical Sciences); Rob Asher (PhD '00, Stony Brook Univ., Dept of Anatomical Sciences); Siobhan Cooke, Doctoral Program in Anthropology, Graduate Center, City University of New York (current).

Postdocs: Dr. Manuel Iturralde-Vinent (1997-1998), Dr. Alex Greenwood (1999-2001), Dr. Pere Bover (2006-2008)

#### **EXTERNAL EXAMINER, DOCTORAL DISSERTATIONS (RECENT)**

Patricia Sutherland (PhD defense April 15, 2004; University of Alberta); Eske Willerslev (PhD defense October 23, 2004; University of Copenhagen)

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**PUBLICATIONS\***


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**1969**

1. **MacPhee RDE** (1969) *Zinj in transition: the Swahili and Portuguese on the East African Coast 1200-1515*. Honours essay, Department of History, University of British Columbia, Vancouver, Canada
  2. **MacPhee RDE** (1969) [Review of Q Ahmed *The Wahabi Movement in India* (1969)]. *Pacific Affairs* **42**: 120
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**1977**

3. **MacPhee RDE** (1977) *Auditory regions of strepsirhine primates, tree shrews, elephant shrews, and lipotyphlous insectivores: an ontogenetic perspective on character analysis*. PhD dissertation, University of Alberta, Edmonton, Canada
  4. **MacPhee RDE** (1977) Ontogeny of the ectotympanic-petrosal plate relationship in strepsirhine prosimians. *Folia Primatologica* **27**: 245-283
- 

**1978**

5. **MacPhee RDE** (1978) [Review of P Hershkovitz, *Living New World Monkeys (Platyrrhini) with an Introduction to Primates* (1977)]. *Newsletter of the Canadian Association for Physical Anthropology* **2**: 39-40
  6. **MacPhee RDE** (1978) Entotympanic ontogeny and the true construction of the primate tympanic floor. *University of Manitoba Papers in Anthropology* **20**: 1-39
- 

**1979**

7. **MacPhee RDE** (1979) Entotympanics, ontogeny and primates. *Folia Primatologica* **31**: 23-47
- 

**1980**

8. Cartmill M, **MacPhee RDE** (1980) Tupaiid affinities: the evidence of the carotid arteries and cranial skeleton. In WP Luckett (ed) *Comparative Biology and Evolutionary Relationships of Tree Shrews*: 95-132 (Plenum: New York)
- 

**1981**

9. **MacPhee RDE** (1981) Auditory regions of primates and eutherian insectivores: morphology, ontogeny, and character analysis. *Contributions to Primatology* **18**: 1-282
  10. Cartmill M, **MacPhee RDE**, Simons EL (1981) Anatomy of the temporal bone in early anthropoids, with remarks on the problem of anthropoid origins. *American Journal of Physical Anthropology* **56**: 3-21
  11. **MacPhee RDE** (1981) [Review of WJ Moore *The Mammalian Skull* (1980)]. *American Journal of Physical Anthropology* **56**: 95-96
  12. **MacPhee RDE** (1981) Fossil mammals from Trinidad's Pitch Lake. *Trinidad Naturalist Magazine* **3**(9): 14-16
- 

**1982**

13. **MacPhee RDE**, Woods CA (1982) A new fossil cebine from Hispaniola. *American Journal of Physical Anthropology* **58**: 419-436
- 

**1983**

14. **MacPhee RDE**, Cartmill M, Gingerich PD (1983) New Palaeogene primate basicrania and definition of the order Primates. *Nature* **310**: 509-511
  15. **MacPhee RDE** (1983) [Review of R Ciochon, B Chiarelli (eds) *Evolutionary Biology of the New World Monkeys and Continental Drift* (1983)] *American Journal of Physical Anthropology* **61**: 133-134
  16. **MacPhee RDE**, Woods CA, Morgan GS (1983) The Pleistocene rodent *Alterodon major* and the mammalian biogeography of Jamaica. *Palaeontology* **26**: 831-837
- 

**1984**

17. **MacPhee RDE**, Simons EL, Wells NA, Vuillaume-Randriamanantena M (1984) Team finds giant lemur skeleton. *Geotimes* **29**:10-11

18. **MacPhee RDE** (1984) Quaternary mammal localities and heptaxodontid rodents of Jamaica. *American Museum Novitates* **2803**:1-34

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**1985**

19. **MacPhee RDE**, Burney DA, Wells NA (1985) Early Holocene chronology and environment of Ampasambazimba, a Malagasy subfossil lemur site. *International Journal of Primatology* **6**: 463- 489
20. **MacPhee RDE** (1985) Primates. In SB Parker (ed) *McGraw-Hill 1986 Yearbook of Science and Technology*: 362-364 (McGraw-Hill, New York)

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**1986**

21. **MacPhee RDE**, Cartmill M (1986) Basicranial structures and primate systematics. In DR Swindler (ed) *Comparative Primate Biology*, vol 1, *Systematics Evolution and Anatomy*: 219-275 (Liss, New York)
22. **MacPhee RDE**, Jacobs LL (1986) *Nycticeboides simpsoni* and the morphology, adaptations, and relationships of Miocene Siwalik Lorisidae. In KM Flanagan, JA Lillegraven (eds) *Vertebrate Phylogeny and Philosophy: a Tribute to George Gaylord Simpson (Contributions to Geology, University of Wyoming, Special Paper 3)*: 131-161
23. **MacPhee RDE** (1986) Environment, extinction, and Holocene vertebrate localities in southern Madagascar. *National Geographic Research* **2**: 441-455

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**1987**

24. **MacPhee RDE** (1987) Systematic status of *Dasogale fontoynonti* (Tenrecidae, Insectivora). *Journal of Mammalogy* **68**: 133-135
25. **MacPhee RDE** (1987) The shrew tenrecs of Madagascar: systematic revision and Holocene distribution of *Microgale* (Tenrecidae, Insectivora). *American Museum Novitates* **2889**: 1-45
26. **MacPhee RDE** (1987) Basicranial morphology and ontogeny of the extinct giant lemur *Megaladapis*. *American Journal of Physical Anthropology* **74**: 333-355
27. Burney DA, **MacPhee RDE**, Dewar RE, Wells NA, Andriamantana JE, Vuillaume-Randriamanantena M (1987) L'environnement au cours de l'Holocène et la disparition de la megafaune à Madagascar: quel rapport avec la conservation de la nature? In R Mittermeier et al. (eds) *Priorités en Matière de Conservation des Espèces à Madagascar*:137-144 (IUCN/SSC: Washington DC)

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**1988**

28. **MacPhee RDE** (1988) [Review of JG Else, PC Lee (eds) *Primate Evolution* (1988)]. *American Journal of Physical Anthropology* **75**:135-136
29. Burney DA, **MacPhee RDE** (1988) Mysterious island: what killed Madagascar's large native animals? *Natural History* **97**(7): 46-55
30. **MacPhee RDE**, Novacek M, Storch G (1988) Basicranial morphology of early Cenozoic erinaceomorphs and the origin of primates. *American Museum Novitates* **2921**:1-42
31. **MacPhee RDE**, Raholimavo E (1988) Modified subfossil aye-aye incisors from southwestern Madagascar: species allocation and paleoecological significance. *Folia Primatologica* **51**:126-142

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**1989**

32. **MacPhee RDE**, Ford DC, McFarlane DA (1989) Pre-Wisconsinan mammals from Jamaica and models of late Quaternary extinctions in the Greater Antilles. *Quaternary Research* **31**: 94-106
33. **MacPhee RDE**, Cartmill M, Rose KD (1989) Craniodental morphology of the supposed dermopteran *Plagiomene* (Mammalia). *Journal of Vertebrate Paleontology* **9**: 329-349
34. McFarlane DA, **MacPhee RDE** (1989) *Amblyrhiza* and the Quaternary bone caves of Anguilla, British West Indies. *Cave Science, Transactions of the British Cave Research Association* **16**: 31-34
35. **MacPhee RDE** (1989) [Review of A Gautier-Hion et al. (eds) *A Primate Radiation* (1988)]. *Recent Publications in Natural History* **7**: 3-4
36. **MacPhee RDE**, and McFarlane DA (1989) *Amblyrhiza inundata*, the extinct giant "rat" of Anguilla. *Anguilla Life* **2**: 19-20

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**1990**

37. **MacPhee RDE**, Wyss AR (1990) Oligo-Miocene vertebrates from Puerto Rico, with a catalog of localities. *American Museum Novitates* **2965**: 1-45

## 1991

38. **MacPhee RDE**, Fleagle JG (1991) Postcranial remains of *Xenothrix mcgregori* (Primates Xenotrichidae) and other late Quaternary mammals from Long Mile Cave, Jamaica. *Bulletin of the American Museum of Natural History* **206**: 287-321
39. **MacPhee RDE**, Burney DA (1991) Dating of modified femora of extinct dwarf *Hippopotamus* from southern Madagascar: implications for constraining human colonization and vertebrate extinction events. *Journal of Archaeological Science* **18**: 695-706

## 1992

40. **MacPhee RDE** among 16 others (1992) Comment on the proposed conservation of the generic and specific names of *Palaeopropithecus ingens* G. Grandidier 1899 (Mammalia Primates). *Bulletin of Zoological Nomenclature* **49**: 73
41. Jaimez Salgado E, Gutiérrez Calvache D, **MacPhee RDE**, Gould GC (1992) The monkey caves of Cuba. *Cave Science, Transactions of the British Cave Research Association* **19**: 25-30

## 1993

42. **MacPhee RDE**, Novacek MJ (1993) Definition and relationships of Lipotyphla. In FS Szalay, MJ Novacek, MC McKenna (eds) *Mammal Phylogeny*, vol 2: 13-31 (Springer: New York)
43. **MacPhee RDE** (ed) (1993) *Primates and their Relatives in Phylogenetic Perspective* (Plenum: New York) xiii + 383 PP
44. **MacPhee RDE** (1993) Summary. In RDE MacPhee (ed) *Primates and their Relatives in Phylogenetic Perspective*: 363-373 (Plenum: New York)
45. **MacPhee RDE** (1993) From Cuba: a mandible of *Paralouatta*. *Evolutionary Anthropology* **2**: 32
46. Biknevicius AR, McFarlane DA, **MacPhee RDE** (1993) Body size in *Amblyrhiza inundata* (Heptaxodontidae, Caviomorpha), an extinct megafaunal rodent from the Anguilla Bank, West Indies: estimates and implications. *American Museum Novitates* **3079**: 1-25
47. McFarlane DA, **MacPhee RDE** (1993) *Amblyrhiza* and the vertebrate paleontology of Anguillan caves. *Boletín de la Sociedad de Venezolana Espelológica* **27**: 33-38

## 1994

48. Burney DA, Burney LP, **MacPhee RDE** (1994) Holocene charcoal stratigraphy from Laguna Tortuguero, Puerto Rico, and the timing of human arrival on the island. *Journal of Archaeological Science* **21**: 273-281
49. **MacPhee RDE** (1994) Morphology, adaptations, and relationships of *Plesiorcycteropus*, and a diagnosis of a new order of eutherian mammals. *Bulletin of the American Museum of Natural History* **220**: 1-213
50. **MacPhee RDE**, Iturralde-Vinent MA (1994) First Tertiary land mammal fossils from Greater Antilles: an Early Miocene sloth (Xenarthra, Megalonychidae) from Cuba. *American Museum Novitates* **3094**: 1-13
51. Beard KC, **MacPhee RDE** (1994) Cranial anatomy of *Shoshonius* and the antiquity of Anthropoidea. In JG Fleagle and RF Kay (eds) *Anthropoid Origins*: 55-97 (Plenum: New York)

## 1995

52. **MacPhee RDE**, Iturralde-Vinent M A (1995) Earliest monkey from Greater Antilles. *Journal of Human Evolution* **28**: 197-200
53. **MacPhee RDE**, Horovitz I, Arredondo O, Jiménez Vázquez O (1995) A new genus for the extinct Hispaniolan monkey *Saimiri bernensis* (Rímoli 1977), with notes on its systematic position. *American Museum Novitates* **3134**: 1-21
54. **MacPhee RDE**, Iturralde-Vinent MA (1995) Origin of the Greater Antillean land mammal fauna 1: New Tertiary land mammals from Cuba and Puerto Rico. *American Museum Novitates* **3141**: 1-31 (OALMF 1)
55. **MacPhee RDE**, Beard KC, Tao Q (1995) Significance of primate petrosal from Middle Eocene fissure-fillings of Shanghuang, Jiangsu Province, People's Republic of China. *Journal of Human Evolution* **29**: 501-514

## 1996

56. **MacPhee RDE**, Rivero de la Calle M (1996) Accelerator mass spectrometry <sup>14</sup>C determination for the alleged "Cuban spider monkey" *Ateles* (= *Montaneia*) *anthropomorphus*. *Journal of Human Evolution* **30**: 89-94
57. **MacPhee RDE**, Grimaldi DA (1996) Mammal bones in Dominican amber. *Nature* **380**: 489-490

58. Iturralde-Vinent MA, **MacPhee RDE** (1996) Age and paleogeography of Dominican amber. *Science* **273**: 1850-1852
59. **MacPhee RDE** (1996) The Greater Antillean monkeys. *Revista de Ciència* **18**: 13-32
60. **MacPhee RDE** (1996) Cuba past/Cuba en el pasado. In A Silva Lee, *Natural Cuba/Cuba Natural*: 1-17 (Pangaea Press: Minneapolis)

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**1997**

61. **MacPhee RDE** (1997) Vertebrate palaeontology of Jamaican caves. In A Fincham (ed) *Jamaica Underground*, 2nd ed: 47-56 (University of the West Indies Press: Kingston)
62. **MacPhee RDE**, Marx PA (1997) The 40,000-year plague: humans, hyperdisease, and first-contact extinctions. In SM Goodman and BD Patterson (eds) *Natural Change and Human Impact in Madagascar*: 169-217 (Smithsonian Institution Press: Washington DC)
63. **MacPhee RDE** (with Boggs J) (1997) *Endangered! Exploring a World at Risk* (American Museum of Natural History: New York)
64. **MacPhee RDE** (with Boggs J) (1997) *En Peligro! Explorando un Mundo en Riesgo* [trans. by L Chiappe] (American Museum of Natural History: New York)
65. **MacPhee RDE**, Flemming C (1997) Brown-eyed, milk-giving, and extinct: mammal losses since AD 1500. *Natural History* 4/97: 84-88
66. **MacPhee RDE** (1997) Digging Cuba: the lessons of the bones. *Natural History* 12/97: 50-54
67. **MacPhee RDE**, Flemming C (1997) Lost mammals—a fatal 500 years. *BBC Wildlife* (September): 44-45

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**1998**

68. McFarlane DA, **MacPhee RDE**, Ford DC (1998) Body size variability and a Sangamonian extinction model for *Amblyrhiza*, a West Indian megafaunal rodent. *Quaternary Research* **50**: 80-89
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