

David A. Burney

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EDUCATION:

Duke University Medical Center, Dept. Biological Anthropology & Anatomy, 1986-89.
Post-doctoral Research Associate.
Duke University, Durham, NC, 1983-86. Ph.D. Zoology, minor Botany.
University of Nairobi, Kenya, 1977-80. M.Sc. Conservation Biology.
North Carolina State University, Raleigh, NC, 1968-72. B.S. Zoology.

ACADEMIC AWARDS:

John Simon Guggenheim Memorial Foundation Fellowship (2005-06)
“An Ecological History of Prehistoric Kaua`i”
Duke University Teaching Fellowship (1983-84).
Rotary Foundation Graduate Fellowship (U. of Nairobi, 1977-78).
Aubrey Lee Brooks Memorial Scholarship (NCSU, 1968-72).

RESEARCH GRANTS AWARDED:

NSF Physical Anthropology, 2002-2006, \$191,498: “Integrated Analysis of Fossil Lemur Sites.”
NSF Physical Anthropology, 2000-2001, \$17,960: "High-risk Exploratory Research: Phreatic-zone Excavation and Integrated Site Analysis in Southwestern Madagascar."
NSF Ecological Studies, 1997-2000, \$238,650: “Landscape-level Paleoecological Reconstructions for Kauai.”
National Geographic Society, 2001-2002, \$24,580: “Landscape Paleoecology and Integrated Site Analysis on Kaua`i.”
NOAA Human Dimensions of Global Change, 1994-98, \$109,422: “Impact of Human Activities and Climate Change in Madagascar, Hawaii, and Puerto Rico.”
NSF Ecological Studies, 1993-97, \$100,000: “Temporal Perspectives on Environmental Change and Extinction in Madagascar.”
NSF Conservation Biology, 1991-94, \$100,000: “Tropical Fire Histories from Charcoal Stratigraphy.”
NSF Instrumentation Grant (with J. Wehr) 1990-91, \$70,000: “Acquisition of Instrumentation for Enhancing Chemical Analyses in Ecological Research.”
National Geographic Society (with H.T. Wright) 1991-92, \$35,520: “Early Human Settlement on the Northwest Coast of Madagascar;” 1993, \$19,940: “Environmental Change, Urban Development, and Urban Collapse in Northwestern Madagascar.”

NSF Geography and Regional Science (with G. Brook & J. Cowart) 1989-91, \$150,458: "Long Paleoenvironmental Records from African Cave Sediments."

NSF Systematic Biology (with R.E. Dewar, R.D.E. MacPhee & N.A. Wells) 1985-87, \$160,000: "Extinction, Causation, and Explicit Tests: The Holocene Megafaunal Extinctions in Madagascar;" 1987-91, \$327,649: "Human Settlement, Environmental Change, and Megafaunal Extinction in Holocene Madagascar."

Other grants from: NSF Dissertation Improvement Grants program, Smithsonian Institution, Wildlife Conservation Society, East African Wildlife Society, Nature Conservancy, NIH Biomedical, African Wildlife Foundation, Elsa Fund, Tinker Foundation, Fordham Faculty Research Grants, Duke University Graduate Travel Awards, Fauna Preservation Society of London, Kilauea Point Natural History Society, US Fish & Wildlife Service, USDA Natural Resources Conservation Service. In addition, have raised over \$1 million in grants and contracts for conservation projects at NTBG.

PROFESSIONAL EXPERIENCE:

Director of Conservation, National Tropical Botanical Garden, 2004-present.

Director of Living Collections and Horticulture, 2006-2008.

Professor, Dept. of Biological Sciences, Fordham University, 2004-2006.

Associate Professor (tenured 1994) Dept. of Biological Sciences, Fordham University, 1989-2003.

Associate Director, Fordham Environmental Studies Program, 2001-2006.

New York Botanical Garden, Instructor, Education Program, 1990-2003.

University of Hawaii, Kaua'i Community College, Instructor, GIS/Remote Sensing Summer Course, 1998.

Duke University Medical Center, Dept. of Biological Anthropology & Anatomy, Post-doctoral Research Associate, 1986-89.

National Geographic Society and Duke University Primate Center, organizer of paleontological and paleoecological expeditions to Madagascar, 1984-present.

University of Nairobi, Botany Dept., Research Associate, 1984-85.

Duke University, Head Teaching Assistant, Ecology, 1983. Palynological Research Technician for D.A. Livingstone, 1982.

Nova Scientific Corporation, Div. of Carolina Biological Supply, Burlington, NC, Head of Scientific Publications Dept., 1981-82.

NC Division of Parks, Regional Naturalist, 1975-77, 1980-81; Naturalist, 1973-75.

OTHER WORK EXPERIENCE:

Technical consultant: contracts with United Nations Development Program, the National Museums of Kenya, The Nature Conservancy, Conservation International, World Wildlife Fund-International, BBC Natural History Unit, Discovery Channel, and other organizations to provide scientific and/or media assistance.

Television appearances: have made presentations on my research for the *National Geographic Channel*, *Discovery Channel*, *PBS*, and *Hawaii Public Television*.

Writer/photographer: frequent contributor to magazines; have produced over 100 audiovisual programs on science subjects; have supplied photographs for books, brochures and gallery exhibitions. Received 1983 Award for Creative Excellence from the National Industrial Arts Film Festival for the educational filmstrip "The Cheetah: Portrait of an Endangered Species."

Board of Directors: North Salem Open Land Foundation (New York); Fordham U. Sigma Xi (President 1994-95); NC Friends of State Parks; Concerned Residents of North Salem; Hui o Laka (Kokee State Park); Botanical Gardens Conservation International-US..

Commercial Fisherman: First Mate aboard the *Carolina Princess*, 65-ft. seagoing vessel, February-June, 1980.

Part-time instructor at technical institutes (biological topics): Central Piedmont Community College, 1976; Stanly Technical Institute, 1974-76.

Farm manager, Garner, NC, 1972-73.

ADVANCED TECHNICAL TRAINING:

Quaternary Research Methods: seminars with D.A. Livingstone, Duke University, 1982, 1985.

Palynology: tutorials with Jean Maley and D.A. Livingstone, 1982-84.

Aerial Photography and Remote Sensing: course and laboratory experience with Siamak Khorram, Dept. of Forestry, N.C. State University, 1983.

Geographic Information Systems: intensive programming course in GIS techniques, Dept. of Electrical Engineering, NCSU, 1984.

Sediment Coring Techniques: tutorial and field work with D.A. Livingstone, 1983-84. Workshop experience in corer design and construction.

Multidisciplinary Excavation: post-doctoral training and professional collaborations with Ross MacPhee, Elwyn Simons, Henry Wright, Helen James and David Steadman.

Advanced speleological techniques: professional collaborations with George Brook.

Dating Methods: professional collaborations with Tom Stafford, Jr. (AMS ¹⁴C), James Cowart (U-series) and Gordon Jacoby (dendrochronology).

UNIVERSITY TEACHING EXPERIENCE:

Undergraduate: Ecology, Human Ecology, Honors Program Ecology, GIS/Remote Sensing, Paleobiology, Introductory Biology, Evolutionary Biology, Paleobotany, Biostatistics, Ethical Dimensions of Science.

Graduate: Paleobiology, Biogeography, Palynology, Conservation Biology,
Environmental Management, Mammalogy, Systematics.

Ph.D.'s mentored at Fordham University:

Reyes, Norman, 1993. *The modern diatom spectra of Madagascar and diatom-inferred late Quaternary climatic changes in northeastern and central Madagascar.*

Thomas, Patrick, 1996. *Behavioral and physiological responses of captive gaur (Bos gaurus) to stress.*

Colón, Christina, 1999. *Ecology of the Malay civet (Viverra zibellina) in a logged and an unlogged forest in Sabah, East Malaysia.*

Egan, Mary, 2000. *The identification of species by diagnostic molecular characters and the phylogenetic relationships of muntjac.*

Robinson, Guy, 2003. *Landscape paleoecology and late Quaternary extinctions in the Hudson Valley.*

Castellano, Christina, 2007. *Ecology and conservation of the wood turtle (Glyptemys*

Also mentored one M.S. thesis (Pravin Chandiramani).

Currently mentoring two Ph.D. candidates (Christina Castellano and Sunita Ram).

At the Université d'Antananarivo (Madagascar), have co-mentored 8 graduate degrees..

UNIVERSITY SERVICE (FORDHAM):

Associate Director, Environmental Studies Program, 2001 – present..

Executive Committee, Honors Program, 2004

Faculty Task Force on Campus Culture, 2000

Member of University Research Council, 1994-2000.

Five Ecologist job-search committees, 1990-95.

University Science and Math Education Committee, 1994-95.

Master's Comprehensive Examiner, 1990-present.

Academic Computing Committee, 1989-90.

Graduate Curriculum Committee, 1994-present.

Departmental Graduate Admissions Committee, 1989-1998.

University Undergraduate Admissions Committee, 1993.

President, Fordham University Sigma Xi chapter, 1994-95. Board of Directors, 1989-present.

PROFESSIONAL SERVICE:

Symposium Organizer: "Cave Research and Conservation" for the Natural History Conference II, New York State Museum, 1992.

"Bird and Mammal Research in New York State" for the Natural History Conference III, New York State Museum, 1993.

"Island Paleoecology: Draining the Past to Irrigate the Future" for the Society for Conservation Biology, Hilo, HI, 2001.

Grant Proposal Reviewer: National Science Foundation, National Geographic Society, Eppley Foundation, NOAA Global Change Program.

Journal Article Reviewer: *Nature*, *International Journal of Primatology*, *Evolutionary Anthropology*, *Quaternary Research*, *Palynology*, *Journal of Paleolimnology*, *National Geographic*, *Science*, *The Holocene*, *PNAS*, *Cave and Karst Studies*, *Journal of Quaternary Science*, *Quaternary Science Reviews*, *Pacific Science*.

Interviewed by: *Science*, *The Nature Conservancy Magazine*, *Environmental Review*, *National Public Radio*, *Newsweek*, *New York Newsday*, *PBS-TV*, *Science Times Television*, and *Discovery Channel*.

Participant in NASA-sponsored workshops and climate/vegetation databases, 1995,96,98.

FULL-LENGTH, PEER-REVIEWED PUBLICATIONS:

These are scientific journal articles, plus book chapters () that were subjected to substantial peer review. For non-reviewed publications, see next section "Other Relevant Publications."*

Burney, David A. 2009. Climate Change. In *Encyclopedia of Islands*, edited by Rosemary G. Gillespie and David A Clague. Berkeley, California: University of California Press, pp. 169-171.

Burney, D.A. N. Vasey, L.R. Godfrey, Ramilisonina, W.L. Jungers, M. Ramarolahy, and L. Raharivony, 2008. New findings from Andrahomana Cave, southeastern Madagascar. *Journal of Cave and Karst Studies* 70(1): 13-24. .

Burney, D.A., and G.S. Robinson, 2008. Excavating and interpreting flooded megafaunal sites. *Palaeontographica Americana* 61:43-48.

Godfrey, L.R., W.L. Jungers, and D.A. Burney, in press. Subfossil lemurs of Madagascar. In: W. Sanders and L. Werdelin, eds. *Cenozoic Mammals of Africa*, University of California Press.*

Lemelin, P., M.W. Hamrick, B.G. Richmond, L.R. Godfrey, W.L. Jungers, and D.A. Burney, 2008. New hand bones of *Hadropithecus stenognathus*: Implications for the paleobiology of the Archaeolemuridae. *Journal of Human Evolution* 54: 405-413.

Robinson, G.S. and D.A. Burney, 2008. The Hyde Park mastodon: Palynological clues to megafaunal extinction *Palaeontographica Americana* 61: 291-299.

Ryan, T.M., D.A. Burney, L.R. Godfrey, U.B. Gohlich, W.L. Jungers, N. Vasey, Ramilisonina, A. Walker, and G.W. Weber, 2008. A reconstruction of the Vienna skull of *Hadropithecus stenognathus*. *Proceedings of the National Academy of Sciences, USA* 105 (31): 10698-10571.

- Burney, D.A. and L.P. Burney, 2007. Paleocology and “inter-situ” restoration on Kaua`i, Hawai`i. *Frontiers in Ecology and the Environment* 5(9): 483-490.
- Goodman, S.M., N. Vasey, and D.A. Burney, 2007. Description of a new species of subfossil shrew tenrec (Afrosoricida: Tenrecidae: *Microgale*) from cave deposits in southeastern Madagascar. *Proceedings of the Biological Society of Washington* 120(4): 367-376.
- Burney, D.A., 2006. Finding the connections between paleoecology, ethnobotany, and conservation in Madagascar. *Ethnobotany Research and Applications* 3: 391-394 <http://www.ethnobotanyjournal.org/vol3/i1547-3465-03-385.pdf>.
- Burney, D.A., and W.K.P. Kikuchi, 2006. A millennium of human activity at Makauwahi Cave, Maha`ulepu, Kaua`i. *Human Ecology* 34:219-247. DOI: 10.1007/s10745-006-9015-3.
- Donlan, C.J., J. Berger, C.E. Bock, J.H. Bock, D.A. Burney, J.A. Estes, D. Foreman, P.S. Martin, G.W. Roemer, F.A. Smith, M.E. Soulé, and H.W. Greene, 2006. Pleistocene rewilding: An optimistic vision for 21st century conservation. *American Naturalist* 168: 660-681. DOI: 10.1086/508027
- Godfrey, L.R., Jungers, W.L., Burney, D.A., Vasey, N., Ramilisonina, Wheeler, W., Lemelin, P., Shapiro, L.J., Schwartz, G.T., King, S.J., Ramarolahy, M.F., Raharivony, L.L., and Randria, G.F.N., 2006. New discoveries of skeletal elements of *Hadropithecus stenognathus* from Andrahomana Cave, southeastern Madagascar. *Journal of Human Evolution* 51: 395-410. doi:10.1016/j.jhevol.2006.04.012.
- Goodman, S.M., N. Vasey, and D.A. Burney, 2006. The subfossil occurrence and paleoecological implications of *Macrotarsomys petteri* (Rodentia: Nesomyidae) in extreme southeastern Madagascar. *Comptes Rendus Paleovol* 5: 953-962. DOI: 10.1016/j.crpv.2006.09.008
- Krause, D.W., P.M. O’Connor, A.H. Rasoamiamanana, G.A. Buckley, D. Burney, M.T. Carrano, P.S. Chatrath, J.J. Flynn, C.A. Forster, L.R. Godfrey, W.L. Jungers, R.R. Rogers, K.E. Samonds, E.L. Simons, and A.R. Wyss, 2006. The importance of keeping the island’s vertebrate fossils in the public domain. *Madagascar Conservation and Development* 1:43-47.
- Burney, D.A., and T.F. Flannery, 2005. Fifty millennia of catastrophic extinctions after human contact. *Trends in Ecology and Evolution* 20:395-401.
- Donlan, C.J., H.W. Greene, J. Berger, C.E. Bock, J.H. Bock, D.A. Burney, J.A. Estes, D. Foreman, P.S. Martin, G.W. Roemer, F.A. Smith, and M.E. Soulé, 2005. Rewilding North America. *Nature* 436:913-914.
- Godfrey, L.R., G.M. Semperebon, G.T. Schwartz, D.A. Burney, W.L. Jungers, E.K. Flanagan, F.P. Cuzzo, and S.J. King, 2005. New insights into old lemurs: The

trophic adaptations of the Archaeolemuridae. *International Journal of Primatology* 26:825-854.

- Jungers, W.L., P. Lemelin, L.R. Godfrey, R.E. Wunderlich, D.A. Burney, E.L. Simons, P.S. Chatrath, H.F. James, and G.F.N. Randria, 2005. The hands and feet of *Archaeolemur*: metrical affinities and their functional significance. *Journal of Human Evolution* 49: 36-55.
- Perez, V.R., L.R. Godfrey, M.N. Nowak-Kemp, D.A. Burney, J. Ratsimbazafy, and N. Vasey, 2005. Evidence of early butchery of giant lemurs in Madagascar. *Journal of Human Evolution* 49:722-742.
- Robinson, G.S., L.P. Burney, and D.A. Burney, 2005. Landscape paleoecology and megafaunal extinction in southeastern New York State. *Ecological Monographs*, 75:295-315.
- Burney, D.A., L.P. Burney, L.R. Godfrey, W.L. Jungers, S.M. Goodman, H.T. Wright, and A.J.T. Jull, 2004. A chronology for late prehistoric Madagascar. *Journal of Human Evolution* 47:25-63.
- Burney, D.A., G.S. Robinson, and L.P. Burney, 2003. *Sporormiella* and the late Holocene extinctions in Madagascar. *Proceedings of the National Academy of Sciences, USA*. 100: 10800-10805.
- Burney, L.P., and D.A. Burney, 2003. Charcoal stratigraphies for Kaua`i and the timing of human arrival. *Pacific Science*. 57(2):211-226.
- Burney, D.A., 2003. Madagascar's prehistoric ecosystems. In, *The Natural History of Madagascar*, pp. 47-51, S. Goodman and J. Benstead, (eds.), Univ. Chicago Press, Chicago.*
- Burney, D.A., 2002. Late Quaternary chronology and stratigraphy of twelve sites on Kaua`i. *Radiocarbon* 44(1):13-44.
- Burney, D.A., H.F. James, L.P. Burney, S.L. Olson, W. Kikuchi, W.L. Wagner, M. Burney, D. McCloskey, D. Kikuchi, F.V. Grady, R. Gage, and R. Nishek, 2001. Fossil evidence for a diverse biota from Kaua`i and its transformation since human arrival. *Ecological Monographs* 71(4):615-641.
- Burney, D.A., 1999. Rates, patterns, and processes of landscape transformation and extinction in Madagascar. In, *Extinctions in Near Time: Causes, Contexts, and Consequences*, pp. 145-164, R. MacPhee, ed. Plenum, New York.*
- Burney, D.A., and Ramilisonina, 1998. The kilopilopitsofy, kidoky, and bokyboky: Accounts of strange animals from Belo-sur-mer, Madagascar, and the megafaunal "extinction window." *American Anthropologist*, 100(4): 1-10.

- Asquith, A., and D.A. Burney, 1998. Honey bees attracted to the semiochemical methyl eugenol, used for male annihilation of the Oriental Fruit Fly (Diptera: Tephritidae). *Proc. Hawaiian Entomological Society* 33:57-66.
- Jolly, D., I.C. Prentice, R. Bonnefille, A. Ballouche, M. Bengo, P. Brenac, G. Buchet, D. Burney, J-P. Cazet, R. Cheddadi, T. Ector, H. Elenga, S. Elmoutaki, J. Guiot, F. Laarif, H. Lamb, A-M. Lezine, J. Maley, M. Mbenza, O. Peyron, M. Reille, I. Reynaud-Farrera, G. Riollet, J.C. Ritchie, E. Roch, L. Scott, I. Ssemmanda, H. Straka, M. Umer, E. Van Campo, S. Vilimumbalo, A. Vincens, and M. Waller, 1998. Biome reconstruction from pollen and plant macrofossil data for Africa and the Arabian peninsula at 0 and 6000 years. *Journal of Biogeography* 25:1007-1027.
- Burney, D.A., 1997a. Theories and facts regarding Holocene environmental change before and after human colonization. In, *Natural Change and Human Impact in Madagascar*, pp. 75-89, S.M. Goodman and B.D. Patterson, eds. Smithsonian Press, Washington.*
- Burney, D. A., 1997b. Tropical islands as paleoecological laboratories: gauging the consequences of human arrival. *Human Ecology*, 25:437-457.
- Burney, D.A., H.F. James, F.V. Grady, J.-G. Rafamantanantsoa, Ramilisonina, H.T. Wright, and J.B. Cowart, 1997. Environmental change, extinction, and human activity: evidence from caves in NW Madagascar. *Journal of Biogeography* 24:755-767.
- James, H.F., and D.A. Burney, 1997. The diet and ecology of Hawaii's extinct flightless waterfowl: evidence from coprolites. *Biological Journal of the Linnean Society* 62:279-297.
- Burney, D.A., 1996a. Paleoeecology of humans and their ancestors. In, *East African Ecosystems and Their Conservation*, pp. 17-34. T.R. McClanahan and T.P. Young, eds., Oxford U. Press, New York.*
- Burney, D.A., 1996b. Climate change and fire ecology as factors in the Quaternary biogeography of Madagascar. In, *Biogeographie de Madagascar*, pp. 49-58. W. Lourenco, ed. ORSTOM, Paris.*
- Burney, D.A., 1996c. Historical perspectives on human-assisted biological invasions. *Evolutionary Anthropology* 4(6): 216-221.
- Wright, H.T., P. Verin, Ramilisonina, D.A. Burney, L.P. Burney, and K. Matsumoto, 1996. The evolution of settlement systems in the Bay of Boeny and the Mahavavy River Valley, north-western Madagascar. *Azania* 31:37-73.
- Burney, D.A., R.V. DeCandido, L.P. Burney, F.N. Kostel-Hughes, T.W. Stafford, Jr., and H.F. James, 1995. A Holocene record of climate change, fire ecology and human

- activity from montane Flat Top Bog, Maui. *Journal of Paleolimnology* 13: 209-217.
- Simons, E.L., D.A. Burney, P.S. Chatrath, L.R. Godfrey, W.L. Jungers, and B. Rakotosamimanana, 1995. AMS ¹⁴C dates on extinct lemurs from caves in the Ankarana Massif of northern Madagascar. *Quaternary Research* 43: 249-254.
- Burney, D.A., G.A. Brook, and J.B. Cowart, 1994. A Holocene pollen record for the Kalahari Desert of Botswana from a U-series dated speleothem. *The Holocene* 4(3): 225-232.
- Burney, D.A., L.P. Burney, and R.D.E. MacPhee, 1994. Holocene charcoal stratigraphy from Laguna Tortuguero, Puerto Rico, and the timing of human arrival on the island. *Journal of Archaeological Science* 21(3): 273-281.
- Dewar, R.E., and D.A. Burney, 1994. Recent research in the paleoecology of the highlands of Madagascar and its implications for prehistory. *Taloha* 12:79-87.
- Matsumoto, K., and D.A. Burney, 1994. Late Holocene environments at Lake Mitsinjo, northwestern Madagascar. *The Holocene* 4(1): 16-24.
- Burney, D.A., 1993. Late Holocene environmental changes in arid southwestern Madagascar. *Quaternary Research* 40: 98-106.
- Burney, D.A., and L.P. Burney, 1993. Modern pollen deposition in cave sites: Experimental results from New York State. *New Phytologist* 124: 523-535.
- Wright, H.T., R. Andrianalvoarivony, I. Bailiff, D. Burney, H. Haas, V. Raharijaona, S. Rakotovololona, D. Rasamuel, and R. Dewar, 1992. Datation absolue de sites archeologiques du centre de Madagascar: Presentation des determinations. *Taloha* 11: 121-146.
- MacPhee, R.D.E., and D.A. Burney, 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.
- Brook, G.A., D.A. Burney, and J.B. Cowart, 1990a. Desert paleoenvironmental data from cave speleothems with examples from the Chihuahuan, Somali-Chalbi, and Kalahari deserts. *Palaeogeography, Palaeoclimatology, Palaeoecology* 76: 311-329.
- Brook, G.A., D.A. Burney, and J.B. Cowart, 1990b. Paleoenvironmental data for Ituri, Zaire, from sediments in Matupi Cave, Mt. Hoyo. *Virginia Museum of Natural History Memoirs* 1: 49-70.

- Brook, G.A., D.A. Burney, J.B. Cowart, and B.B. Ellwood, 1990. Present and former deserts: Evidence of environmental change from cave sediments in East Africa and the American Southwest. *Studia Carsologica* 2: 19-28.
- Bliley, D.J., and D.A. Burney, 1988. Late Pleistocene climatic factors in the genesis of a Carolina bay. *Southeastern Geology* 29(2): 83-101.
- Burney, D.A., 1988. Modern pollen spectra from Madagascar. *Palaeogeography, Palaeoclimatology, Palaeoecology* 66: 63-75.
- Burney, D.A. , 1987a. Late Holocene vegetational change in central Madagascar. *Quaternary Research* 28(1): 130-143.
- Burney, D.A., 1987b. Pre-settlement vegetation changes at Lake Tritrivakely, Madagascar. *Palaeoecology of Africa* 18: 357-381.
- Burney, D.A. 1987c. Late Quaternary stratigraphic charcoal records from Madagascar. *Quaternary Research* 28(2): 274-280.
- Burney, D.A., and L.P. Burney, 1987. Recent paleoecology of Nags Head Woods on the North Carolina Outer Banks. *Bulletin of the Torrey Botanical Club* 114(2): 156-168.
- MacPhee, R.D.E., D.A. Burney, and N.A. Wells, 1985. Early Holocene chronology and environment of Ampasambazimba, a Malagasy subfossil lemur site. *International Journal of Primatology* 6(5): 461-487.

OTHER RELEVANT PUBLICATIONS

Full-length, peer-reviewed publications in review (), short articles in peer-reviewed journals (**), conference proceedings and published abstracts (+), magazine articles (§), theses (t), and book reviews (r).*

- Burney, D.A., 2009. Are we naïve to think we can save rare plants from extinction? *Sibbaldia* 7: 61-76. §
- Burney, D.A. and L.P. Burney 2008. Inter situ conservation: Opening a “third front” in the battle to save rare Hawaiian plants. *BGjournal* 6(1): 16-19. §
- Burney, D.A. and L.P. Burney, 2008. Time portal. *Natural History* October, p. 74. §
- Burney, D.A. and L.P. Burney, 2007. Learning from the past to save plants for the future. *Public Garden* 3: 30-33. §
- Burney, D.A. and L.P. Burney, 2007. Ecological restoration through community outreach (and community outreach through ecological restoration). *The Bulletin of the National Tropical Botanical Garden* 25: 8-13. §

- Burney, D.A., 2006. Paleolithic art demystified. *Trends in Ecology and Evolution* 21:602-603. r
- Burney, D.A., and E. Dubey, 2006. Growing people: Community-based career development opportunities working with plants. *Plant Talk* 43: 46-47. §
- Burney, D.A., 2005. Digging into the past to find the future. *Plant Talk* 39:46-47. §
- Burney, D.A., and T.F. Flannery, 2005. Response to Wroe et al.: Island extinctions versus continental extinctions. *Trends in Ecology and Evolution* 21:63-64.**
- Burney, D.A., D. Bender, S. Perlman, C. Salvador, and C. Wichman, 2005. The National Tropical Botanical Garden: Creating a Genetic Safety Net for Hawaii's vanishing flora. *BG Journal* 2:17-19.§
- Burney, D.A., L.P. Burney, W.L. Jungers, and L.R. Godfrey, 2004. Radiocarbon dating of the extinctions in late prehistoric Madagascar. *American Journal of Physical Anthropology* Suppl. 38:70-71. +
- Burney, D.A., 2003. Box 5. Extinction in Madagascar: The anatomy of a catastrophe. *Evolutionary Anthropology* 12:261.**
- Perez, V.R., D.A. Burney, L.R. Godfrey, and M. Nowak-Kemp, 2003. Box 4. Butchered sloth lemurs. *Evolutionary Anthropology* 12:260.**
- Godfrey, L.R., G.M. Semperebon, G.T. Schwartz, D.A. Burney, W.L. Jungers, E.K. Flanagan, and S.J. King, 2003. What were the "monkey lemurs" of Madagascar up to? *American Journal of Physical Anthropology* Suppl. 36:182. +
- Burney, D.A., D.W. Steadman, and P.S. Martin, 2002. Evolution's second chance: forward-thinking paleoecologists advocate jump-starting diminishing biodiversity. *Wild Earth* 12(2):12-15. §
- Burney, D.A., 2002. Sifaka predation by a large boa. *Folia Primatologica* 73:144-145.**
- Burney, D.A., 2002. Understanding biological invasions in Hawaii. *Environmental Review* 9(4):1-8. Interview conducted by D. Taylor. §
- Burney, D.A., 2001. A down-under look at North America. *Natural History* 110(6):76-78. r
- Burney, D.A., 2002. Explicit tests for models of ecosystem collapse in late Holocene Madagascar. In, S. Leroy and I.S. Stewart, *Environmental Catastrophes and Recovery in the Holocene*, volume of abstracts, pp. 18-19. Brunel University, London (UK), 28 August-2 September, 2002. +

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