

## **Grants-in-Aid Committee**

**Committee Members:** B. Butler, L. N. Carraway, C. J. Conroy, B. J. Danielson, J. R. Demboski, T. L. Derting, J. W. Dragoo, C. W. Edwards, S. D. Gehrt, G. D. Hartman, L. D. Hayes, D. W. Kaufman, D. A. Kelt, C. W. Kilpatrick (Chair), K. Kilburn, J. L. Koprowski, A. Kurta, S. K. Lyons, M. Matocq, M. L. McKnight, N. D. Moncrief, L. Olson, J. Orrock, R. Rose, K. Rowe, F. A. Smith, W. P. Smith, P. Stapp, M. A. Steele, R. D. Stevens, K. D. Stone, K. D., and B. Thomas

### **Mission:**

The Grants-in-Aid Committee reviews applications for grants-in-aid and fellowships in mammalogy (American Society of Mammalogists Fellowship in Mammalogy and the Albert R. and Alma Shadle Fellowship in Mammalogy) and either selects recipients for these awards or recommends recipients for these awards.

### **Information Items:**

(1) Application forms and instructions were updated and posted on the GIA Committee web page. The deadline for Grants-in-Aid was set at 1 March, and that for fellowships was set at 1 May.

(2) Membership on the committee was enlarged to 32 members. Four new members were added in July 2005 (Bruce Butler, Kerry Kilburn, Kevin Rowe, Barry Thomas). Current membership is 32; however, someone with research interest in marine mammals would be a welcomed addition to the committee.

(3) We worked with a representative of the Informatics Committee (K. Kramer) to improve the online submission for Grant and Fellowship applications. The online submissions of Grants in Aid applications worked very well, with only a minor problem regarding letters of recommendation. We will continue to work with the Informatics Committee to improve and streamline the online submissions of Grants-in-Aid applications and hopefully, improve efficiency of the committees handling of these electronic files.

(4) We had 111 applications for Grants-in-Aid. The number of applications appears to have stabilized at a little over a 100 applications (105 in 2005 and 110 in 2004). The committee ranked the proposals and 42 were selected for support (36 at the full level requested and 6 partially funded at \$1,417 each). As usual, members were impressed by the diversity and high quality of research activities proposed by the student members of ASM. The committee members have made an effort to provide each applicant with some constructive comments on their proposals. Names of the grant recipients for 2006 follow at the end of this report.

(5) Fellowship applications have gone electronic. This year we had 8 applications. The fellowship applications were distributed to committee members electronically and

nominees will be selected during a closed session at the Annual Meeting. The American Society of Mammalogists Fellowship in Mammalogy will be \$17,000, and the Albert R. and Alma Shadle Fellowship in Mammalogy will be \$3,662.38 in 2006.

(6) 2006 ASM Grants-in-Aid Recipients.

**Lynne Mullen.** UC-San Diego, Biology-EBE, 9500 Gilman Drive, Muir Biology Bldg. Room 4165, La Jolla, CA 92093-0116  
[lynne@ucsd.edu](mailto:lynne@ucsd.edu)

Genetic variation in the oldfield mouse (*Peromyscus polionotus*) from contemporary and historical perspectives. \$1,000 (Elizabeth Horner Award winner (additional \$500) = \$1,500)

**Brian Kot.** University of California, Los Angeles, 621 Charles E. Young Drive South Los Angeles, CA 90095-1606  
[bkot@ucla.edu](mailto:bkot@ucla.edu)

Feeding biomechanics in the rorqual whales. \$1,500

**Abigail Benson.** California State University Fullerton, 2661 Andover Ave Apt 1, Fullerton, CA 92831  
[abigaillesleybenson@yahoo.com](mailto:abigaillesleybenson@yahoo.com)

Natal dispersal of an asocial ground squirrel (*Spermophilus tridecemlineatus*). \$1,320

**Karen Mabry.** University of California, Davis, Section of Evolution and Ecology, Davis, CA 95616  
[kemabry@ucdavis.edu](mailto:kemabry@ucdavis.edu)

Genetic consequences of natal habitat preference induction in brush mice (*Peromyscus boylii*). \$1,486

**Kimberly Pollard.** University of California, Los Angeles, UCLA Dept. of Ecology and Evolutionary Biology, 621 Charles E. Young Dr., Los Angeles, CA 90095  
[kpollard@ucla.edu](mailto:kpollard@ucla.edu)

The evolution of group size and individual distinctiveness. \$1,500

**Bryan Arnold.** University of Maryland College Park, 4308 Clagett Road, University Park, Md 20782  
[barnold@umd.edu](mailto:barnold@umd.edu)

Do low frequency social calls serve as a mechanism for conspecific recruitment during roost site relocation in the Pallid Bat (*Antrozous pallidus*)? \$1,500

**Stacey Dunn.** University of Idaho, 220 Lauder St., Apt. 6, Moscow, ID 83843  
[dunn2522@uidaho.edu](mailto:dunn2522@uidaho.edu)

Inbreeding in the National Bison Range, Montana Pronghorn Population. \$1,000

**Miranda Mockrin.** Columbia University, 111 Massbury Street, Gaithersburg, MD 20878  
[mhm2004@columbia.edu](mailto:mhm2004@columbia.edu)

Hunting for Control: The Spatial Structure and Sustainability of Duiker (*Cephalophus* spp.) Harvesting in Kabo, Northern Republic of Congo. \$1,490

**Georgina O'Farrill.** McGill University, 1205 Dr. Penfield Avenue, Montreal, Quebec, Canada H3A 1B1  
[elsa.ofarrill@mail.mcgill.ca](mailto:elsa.ofarrill@mail.mcgill.ca)

The functional role of Baird's tapir as seed disperser in and around the Calakmul Biosphere Reserve, Mexico. \$1,500

**Karen Kapheim.** University of California, Los Angeles, UCLA, EEB Department, 621 Charles E. Young Dr. South, Los Angeles, CA 90095-1606  
[kapheimk@ucla.edu](mailto:kapheimk@ucla.edu)

The Evolution of Cooperation and Social Correlates of Individual Recognition. \$1,495

**Barbara Clucas.** University of California, Davis, 434 Alvarado Ave, Davis, CA 95616  
[baclucas@ucdavis.edu](mailto:baclucas@ucdavis.edu)

A Comparative Study of Scent Application in Ground Squirrels (*Spermophilus*). \$1,344

**Allison Hargett.** University of Nevada, Reno, Mailstop 314, Biology Department, Reno, NV 89502  
[HargettA@unr.nevada.edu](mailto:HargettA@unr.nevada.edu)

Do hormones affect dominance relationships in an asocial species, Merriam's Kangaroo Rat? \$1,500

**Kristen Lucia.** Miami University, Department of Zoology, Miami University, Oxford, OH 45056  
[luciake@muohio.edu](mailto:luciake@muohio.edu)

Delayed Dispersal in Cooperatively Breeding Prairie Voles. \$1,498

**Megan Wyman.** University of California-Davis, 1312 Tulane Dr, Davis, CA 95616  
[mtwyman@ucdavis.edu](mailto:mtwyman@ucdavis.edu)

Acoustic signal production and assessment in North American plains bison. \$1,500

**Sandra Peters.** University of Western Ontario, Department of Biology, Biological & Geological Sciences Building, University of Western Ontario, London, Ontario, Canada N6A 5B7  
[speter33@uwo.ca](mailto:speter33@uwo.ca)

Bat roosting patterns and community structure in primary forest, secondary forest, *Eucalyptus* plantations, and wildlife corridors in the northeastern Amazon, Brazil. \$1,500

**Jacob Esselstyn.** University of Kansas, Natural History Museum, 1345 Jayhawk Blvd. Lawrence KS 66045  
[esselsty@ku.edu](mailto:esselsty@ku.edu)

Testing hypotheses of historical biogeography in a complex archipelago. \$1,500

**Joshua Miller.** University of Chicago, 5734 S. Ellis Ave, Chicago, IL 60637  
[millerjh@uchicago.edu](mailto:millerjh@uchicago.edu)

Death Assemblage Analysis: Developing a Tool for Retrieving Historical Ecological Data on Large-Mammal Communities. \$1,500

**Andrea Campanella.** New Mexico State University, Jornada Basin LTER, USDA-ARS/NMSU PO Box 30003, MSC 3JER, Las Cruces, NM 88003  
[acampane@nmsu.edu](mailto:acampane@nmsu.edu)

Demography, Resource Use, and Genetic Structure of a Desert Rodent Community at Multiple Scales: Feedbacks between Rodents and Ecotones. \$1,500

**John Kraft.** California State University, Fullerton, 2661 Andover Ave. Apt. 1, Fullerton, CA 92831  
[jpk2532@hotmail.com](mailto:jpk2532@hotmail.com)

Interactions between northern grasshopper mice (*Onychomys leucogaster*) and fleas in prairie dog colonies: implications for the spread of plague. \$1,484

**Justin St. Juliana.** Indiana State University, Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, IN, 47809, USA  
[saint@indstate.edu](mailto:saint@indstate.edu)

Optimal foraging under the risk of predation: the changing value of energy over time. \$980

**Andrew Edelman.** University of New Mexico, MSC03 2020, Biology Dept. Univ. of New Mexico, Albuquerque, NM 87131  
[andrew@unm.edu](mailto:andrew@unm.edu)

Territorial bequeathal by banner-tailed kangaroo rat mothers. \$1,500

**Marcela Fernandez.** University of Missouri-St. Louis, 8001 Natural Bridge Rd.  
St. Louis, MO 63121  
[mf976@studentmail.umsl.edu](mailto:mf976@studentmail.umsl.edu)

Singing behavior and mate choice in the Neotropical montane rodent *Scotinomys teguina*.  
\$1,500

**Eben Gering.** University of Nebraska, Lincoln, 348 Manter Hall, Lincoln, Nebraska  
68522  
[eben\\_gering@hotmail.com](mailto:eben_gering@hotmail.com)

Adaptive variation in deer mouse hemoglobins at a high elevation contact zone. \$1,457

**Sara Krause.** University of California, Davis, One Shields Ave, Davis, CA 95616  
[skkrause@ucdavis.edu](mailto:skkrause@ucdavis.edu)

When East meets West: Sympatric and allopatric ecology of introduced Eastern Gray squirrels and native Western Gray squirrels in California. \$1500

**Jonathan Reichard.** Boston University, 5 Cummington Street, Boston University  
Boston, MA 02215  
[reichard@bu.edu](mailto:reichard@bu.edu)

Timing and patterns of migration in Brazilian free-tailed bats, *Tadarida brasiliensis*.  
\$1,500

**Tony Wood.** University of Bristol, Bat Ecology and Bioacoustics Lab, School of  
Biological Sciences, University of Bristol, Woodland Road, Bristol, BS8 1UG  
UK  
[Tony.Wood@bristol.ac.uk](mailto:Tony.Wood@bristol.ac.uk)

Effects of oil palm plantations on bat diversity and activity in peninsular Malaysia.  
\$1,500

**Christopher Callahan.** Humboldt State University, 1 Harpst St, Arcata, CA 95521  
[cmc43@humboldt.edu](mailto:cmc43@humboldt.edu)

Phylogeny and Biogeography of Whale Lice (Cyamidae) Living on Gray Whale Islands.  
\$1,486

**Adrian Chesh.** University of Louisiana at Monroe, 1712 N. McGuire St., Monroe, LA  
71203  
[achesh83@yahoo.com](mailto:achesh83@yahoo.com)

Costs of group-living in female *Octodon degus*. \$1,500

**Lynne Henderson.** Saint Mary's University, Department of Biology, Saint Mary's University, 923 Robie Street, Halifax, Nova Scotia, Canada B3H 3C3  
[hendersonle2003@yahoo.ca](mailto:hendersonle2003@yahoo.ca)

The distribution of the forest dependent northern long-eared bat (*Myotis septentrionalis*) relative to forest patch size, composition and context. \$1,500

**Chi-Chien Kuo.** University of California, Davis, Department of Wildlife, Fish, & Conservation Biology, One Shields Avenue, Davis, CA95616  
[ccckuo@ucdavis.edu](mailto:ccckuo@ucdavis.edu)

Rodent community structure and scrub typhus disease transmission: the impact of invasive species. \$1,460

**Ryan Norris.** University of Vermont, #120A Marsh Life Science, Department of Biology, UVM, Burlington VT 05405  
[rnorris@uvm.edu](mailto:rnorris@uvm.edu)

The earliest evolutionary splits among rodents: synthesizing phylogenetic and dating information based on genes and fossils. \$1,500

**Lucretia Olson.** UCLA, 621 Charles E. Young Dr S., Eco & Evolutionary Bio Dept Los Angeles, CA 90095  
[lucretia@ucla.edu](mailto:lucretia@ucla.edu)

Do male yellow-bellied marmots (*Marmota flaviventris*) form cooperative coalitions for predator defense? \$1,500

**Francisco Sanchez.** Ben-Gurion University of the Negev, Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, 84990 Midreshet Ben-Gurion Israel  
[fsanchez@bgu.ac.il](mailto:fsanchez@bgu.ac.il)

Ethanol and sugars in fruit as complementary resources for Egyptian fruit bats. \$1,500

**Amy Turmelle.** University of Tennessee, 569 Dabney Hall, Knoxville, TN 37996  
[aturmell@utk.edu](mailto:aturmell@utk.edu)

Disease Ecology in the Brazilian free-tailed bat. \$1,500

**Paul Velazco.** The Field Museum of Natural History, Division of Mammals/FMNH 1400 S. Lake Shore Dr., Chicago, IL 60605  
[pvelazco@fieldmuseum.org](mailto:pvelazco@fieldmuseum.org)

Historical Diversification in the Neotropics: Evolution and Variation of the Bat Genus *Platyrrhinus* (Chiroptera: Phyllostomidae). \$1,500

**Cris Hein.** University of Georgia, 7127 Hwy 165, Ravenel, SC 29470  
[cdh6135@owl.forestry.uga.edu](mailto:cdh6135@owl.forestry.uga.edu)

Bat Activity and Habitat Use on an Intensively-managed Pine Forest Landscape with Remnant Corridors. \$1,417

**Elise Snider.** Colorado State University, 1474 Campus Delivery, Department of Fishery and Wildlife Biology, Fort Collins, CO 80523  
[easnider@cnr.colostate.edu](mailto:easnider@cnr.colostate.edu)

Ecological characteristics of syntopic long-eared bats: *Myotis thysanodes* and *Myotis evotis* in Mesa Verde National Park, Colorado \$1,417

**Carson Brown.** Angelo State University, Dept of Biology, ASU Station 10890, San Angelo, TX 76909  
[carson.bro@gmail.com](mailto:carson.bro@gmail.com)

Genetic population structure of a migratory bat, *Leptonycteris nivalis*, implications for the conservation of an endangered species. \$1,417

**Cynthia Downs.** University of Nevada, Reno, Mailstop 314, Reno, Nevada 89557  
[downsc@unr.nevada.edu](mailto:downsc@unr.nevada.edu)

A comparative analysis of spatial memory in rodents and corvids using a cache recovery paradigm. \$1,417

**Elizabeth Flaherty.** University of Wyoming, Department of Zoology and Physiology, Dept. 3166, 1000 E. University Ave., Laramie, WY 82071  
[lizf@uwyo.edu](mailto:lizf@uwyo.edu)

Predicting dispersal rates in fragmented rain forests of Southeast Alaska: implications for the viability of northern flying squirrel (*Glaucomys sabrinus*) metapopulations in managed landscapes. \$1,000

**Daniel Guertin.** Simon Fraser University, 8888 University Drive, Burnaby, BC V5A 1S6  
[dguertin@sfu.ca](mailto:dguertin@sfu.ca)

Urbanization, Industrialization, and Environmental Contamination: Effects on Marine Foraging River Otters (*Lontra canadensis*) in the Puget Sound/Georgia Basin Region of Southeast Vancouver Island, British Columbia, Canada. \$1,417

**Rebecca Young.** University of Arizona, 1041 E Lowell, BSW 310, Tucson, AZ 85721-0088

[rlyoung@email.arizona.edu](mailto:rlyoung@email.arizona.edu)

Developmental Origins and Evolutionary Consequences of Modularity in the Shrew Mandible. \$1,417

**Action items:**

**(1) 2007 Budget Request**

Grants-in-Aid of Research 40 x \$1,500	\$60,000
ASM Fellowship	\$17,000
Banquet tickets for GIA recipients (10 X \$30)	300

<b>Total Request</b>	<b>\$77,300</b>
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**Respectfully submitted,**  
C. William Kilpatrick, Chair  
(c-william.kilpatrick@uvm.edu)