

DONALD O. STRANEY, Ph.D.

**EDUCATION**

█ Ph.D., Zoology, University of California, Berkeley  
M.S., Zoology, Michigan State University  
B.S., Zoology, Michigan State University, with High Honors

**PROFESSIONAL HISTORY**

█ Chancellor, University of Hawai'i at Hilo  
█ Dean, College of Science, and Professor of Biological Sciences, California State Polytechnic University, Pomona  
█ Interim Dean, College of Agriculture, California State Polytechnic University, Pomona  
█ Assistant to the Provost for Faculty Development, and Professor of Zoology, Michigan State University  
█ American Council on Education Fellow, Northeastern University, MA  
█ Chairperson and Professor, Department of Zoology, Michigan State University  
█ Chairperson and Associate Professor, Department of Zoology, Michigan State University  
█ Fellow, CIC Academic Leadership Program, Michigan State University (The Committee on Institutional Cooperation is the organization of the Chief Academic Officers of the University of Chicago and the 11 Big Ten Universities)  
█ Acting Chairperson, Department of Zoology, Michigan State University  
█ Associate Professor of Zoology, Michigan State University  
█ Assistant Professor of Zoology, Michigan State University  
█ Curator of Mammals (Museum), Michigan State University  
█ Assistant Professor of Zoology, Michigan State University  
█ Research Assistant, Savannah River Ecology Laboratory, University of Georgia

**UNIVERSITY SERVICE AND COMMUNITY OUTREACH**

**University of Hawai'i at Hilo**

2012- present Board of Directors, Pacific International Space Center for Exploration Systems or PISCES, UH presidential appointment in 2012.

- 2011-present Member, Hawai'i County Workforce Investment Board, mayoral appointment.
- 2011-present Member, Hawai'i Aeronautics Advisory Committee, gubernatorial appointment.
- 2011-present Board of Directors, Hawai'i Island Chamber of Commerce, elected.
- 2010-2014 Co-chair of the Hawai'i Experimental Program to Stimulate Competitive Research or EPSCoR Statewide Committee; provided leadership for development of Hawai'i Statewide Science and Technology Strategic Plan.
- 2010-present University of Hawai'i System International Committee.

### **California State Polytechnic University, Pomona**

- 2008-2010 Veteran's Services Initiative, Campus Steering Committee
- 2007-2008 Dean's Council, Agriculture Research Initiative, California State University System
- 2006-2007 Support Program Prioritization and Recovery Committee, Co-Chair
- 2005-2010 Strategic Planning Council, California State University Program in Education and Research in Biotechnology (CSUPERB)
- 2005-2010 University WASC Accreditation Steering Committee
- 2002-2010 Board of Governors, Desert Studies Institute, California State University System
- 2002-2010 Board of Directors, Ocean Studies Institute, California State University System
- 2004-2010 All University Teacher Education Task Force, Co-Chair
- 2004-2008 Search committees for Provost, Vice President of Instructional and Information Technology, Dean of Business, Dean of Education and Integrated Studies, Director of International Center and Associate Vice President for Research and Graduate Studies

### **Michigan State University**

- 2001-2002 Member, Vice Presidential Diversity Advisory Group
- 1995-2002 Member, President's Diversity Issues Group. University Committee on Faculty Tenure and the Academic Council
- 1995-1997 Research Integrity Group
- 1995-1996 Committee on Institutional Cooperation (CIC) Faculty Work Study Group; University representative to CIC-wide group examining future directions for faculty development, faculty work, and tenure
- 1993-1995 Library Diversity Advisory Committee
- 1992-1993 Military Education Advisory Committee; MSU Women in Science and Engineering Team
- 1990-1992 All-University Task Force on Lesbian and Gay Concerns; Co-Chair, Policies and Benefits Committee; member, Executive Committee
- 1989-1992 Board of Directors, College of Natural Sciences Alumni Association; Vice President, 1990-1991
- 1987-1992 All-University Committee on Animal Use and Care; Vice-Chair, 1989-1992
- 1986-1995 Coordinating Committee, Interdepartmental Graduate Program in Ecology and Evolutionary Biology

## **SERVICE TO PROFESSION**

### **National Science Foundation**

- 2003-present National Advisory Board, Center for the Integration of Research, Teaching and Learning, Madison, WI. CIRTTL is a National Science Foundation Center for Learning and Teaching in higher education.
- 1987-1993 Review Panel Member: Graduate Research Training Grant Panel (4 panels); Dissertation Improvement Grant Review Panel (2 panels); Biological Instrumentation Review Panel.

### **American Association of State Colleges and Universities**

- 2011 Mentor, Millennium Leadership Initiative.

### **American Council on Education**

- 2001 Invited participant to plan national developmental programs for department chairs.
- 1998 Presenter, ACE/Kellogg Project Conference on Leadership and Institutional Transformation.
- 1996-2006 Invited presenter, ACE Fellows Seminar.
- 1995-2000 Executive Committee, Council of Fellows.
- 1995-1999 Editor, Council of Fellows Newsletter.

### **American Association for Higher Education**

- 2000 Invited participant, planning group on community engagement programs.
- 1996 Workshop presenter on "Recognizing and Rewarding Teaching as Intellectual Work" and "Valuing and Rewarding Outreach."
- 1997 Workshop convener and presenter on "Building Collaborative Faculty Cultures."

## **SERVICE TO PROFESSIONAL SOCIETIES**

- 2002-2004 Program Committee, Council of Colleges of Arts and Sciences.
- 1991-1995 Committee on Women and Minorities, American Society of Mammalogists (founding member).
- 1990-1995 Merriam Award Committee (highest society award for research), American Society of Mammalogists.
- 1989 Chair, Dwight D. Davis Prize Committee (graduate student awards), Vertebrate Morphology Division, American Society of Zoologists.
- 1979-1982 Editorial Board, Society of Systematic Zoologists.
- 1979-1982 Honorarium Committee (graduate student awards), American Society of Mammalogists.

1976-1978 Committee on Education and Graduate Students, American Society of Mammalogists (founding member).

### **SYMPOSIA FOR PROFESSIONAL SOCIETIES**

1994 Co-organizer, workshop on “Alternative Careers in Mammalogy,” American Society of Mammalogists.  
1993 Co-organizer and speaker, workshop on “Success for Women and Minorities in the Tenure System,” American Society of Mammalogists.  
1992 Co-organizer, workshop on “Women and Minorities in Mammalogy,” American Society of Mammalogists.  
1989 Organizer and speaker, symposium on “Phylogenetic Use of Ontogenetic Information,” American Society of Mammalogists.  
1989 Invited speaker, National Science Foundation workshop on “Morphometrics in Systematics,” State University of New York, Stony Brook.  
1988 Invited speaker, National Science Foundation workshop on “Morphometrics in Systematics,” University of Michigan.  
1984 Invited speaker, symposium on “Molecular Systematics,” University of Michigan.  
1978 Invited speaker, symposium on “Population Genetics,” American Society of Mammalogists.

### **GRANTS AND FELLOWSHIPS**

2012-2014 \$3.2M, “Ho‘okahua: Creating a Strong Foundation for Student Success,” U.S. Department of Education. Principal Investigator.  
2012-2014 \$176K, “Exploring Diversity and Gender Equity (EDGE) at UH Hilo,” National Science Foundation. Principal Investigator.  
2011-2016 \$3.2M, “Islands of Opportunity Alliance: Louis Stokes Alliance for Minority Participation,” National Science Foundation. Principal Investigator.  
2009-2015 \$16M, “IMUA III: Pacific High Island Evolutionary Biogeography: Impacts of Invasive Species, Anthropogenic Activity and Climate Change on Hawaiian Focal Species,” National Science Foundation. Principal Investigator.  
2009-2010 \$579K, “Robert Noyce Teacher Scholarship Program II,” National Science Foundation. Co-Principal Investigator.  
2009-2010 \$63K, “Teaching Fellow and Master Teaching Fellow Planning Grant,” National Science Foundation. Principal Investigator.  
2004-2009 \$4.5M, “Teacher Quality Enhancement,” U.S. Department of Education. Co-Principal Investigator.  
2006-2010 \$1.2M, ADVANCE, National Science Foundation. Co-Principal Investigator.  
2004-2009 \$1.3M, Howard Hughes Medical Institute Undergraduate Science Education Program Grant. Principal Investigator.  
2002-2003 Bautzer University Advancement Award, California State University.  
1994-1995 American Council on Education Fellow.

- 1992-1993 Committee on Institutional Cooperation (CIC) Academic Leadership Program Fellow.
- 1985-1987 Grant to support dissertation work of R.W. DeBry, National Science Foundation (BSR-8501437). Co-Principal Investigator.
- 1984-1987 "Ontogeny and the Phylogeny of Chiroptera," National Science Foundation (BSR-8400544). Principal Investigator.
- 1983-1985 Grant to support dissertation work of B.C. Jayne, National Science Foundation (BSR-8401874). Co-Principal Investigator.
- 1983-1985 Grant to support dissertation work of M.L. Zelditch, National Science Foundation (BSR-8313110). Co-Principal Investigator.
- 1983-1984 Grant to support dissertation work of D.E. Bennack, National Science Foundation (BSR-8313292). Co-Principal Investigator.
- 1974 Research Grant, Virginia Academy of Sciences. Co-Principal Investigator.
- 1973 Sigma Xi Undergraduate Research Award, Michigan State University.
- 1972 National Science Foundation Undergraduate Research Fellowship, Savannah River Ecology Laboratory, Aiken, South Carolina.
- 1971 National Science Foundation Undergraduate Research Fellowship, American Museum of Natural History.

## PUBLICATIONS

### Books

Elzinga, C., S. M. Lawrence, L. M. Leege, M. K. Heidemann and D. O. Straney. 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2001, 2003. *Biological Sciences 110 and 111 Laboratory Manual*. v + 335 pages. Hayden-McNeil Publishing, Inc. Plymouth, Michigan. Revised annually.

### Chapters in Books and Proceedings

- Straney, D. O. 1990. Medial axis methods in morphometrics. *Proceedings of the Michigan Morphometrics Workshop*. F.J. Rohlf and F. Bookstein, eds. University of Michigan Museum of Zoology. Special Publication No. 2:179-200.
- Straney, D. O. 1981. The stream of heredity: Genetics in the study of phylogeny. *Mammalian Population Genetics*. M.H. Smith and J. Joule, eds. University of Georgia Press. 100-138.
- Straney, D. O., M. H. Smith, I. F. Greenbaum and R. J. Baker. 1979. Biochemical genetics. *Biology of Bats of the New World Family Phyllostomatidae. Part III*. R. J. Baker, D. L. Carter and J. K. Jones, Jr., eds. Special Publications of the Museum, Texas Tech University, 16:157-176.
- Smith, M. H., H. O. Hillestad, M. N. Manlove, D. O. Straney, and J. M. Dean. 1978. Management implications of genetic variability in loggerhead and green sea turtles. *Proceedings of the Thirteenth International Wildlife Congress*. 302-312.

- Manlove, M. N., J. C. Avise, H. O. Hillstad, P. R. Ramsey, M. H. Smith, and D. O. Straney. 1975. Starch gel electrophoresis for the study of population genetics in white-tailed deer. *Proceedings of the Southeastern Game and Fish Commissioners*. W.A. Rogers, ed. 392-403.
- Straney, D. O., L. A. Briese, and M. H. Smith. 1974. Bird diversity and thermal stress in a cypress swamp. *Thermal Ecology*. J. W. Gibbons and R. R. Sharitz, eds. U.S. Atomic Energy Commission Symposium Series (CONF-730505): 572-578.

## Articles

- Zelditch, M. L., D. O. Straney, D.L. Swiderski and A.C. Carmichael. 1990. Variation in developmental constraints in *Sigmodon*. *Evolution* 44:1738-1747
- Zelditch, M. L., R. Derby, and D. O. Straney. 1989. Triangulation measurement schemes in the multivariate analysis of size and shape. *Journal of Mammalogy*. 70:571-579.
- Straney, Donald O. 1984. The nasal bones of *Chiroderma* (Phyllostomidae). *Journal of Mammalogy*. 65:163-165.
- Straney, Donald O. 1982. Review of *Advances in Cladistics: Proceedings of the First Meeting of the Willi Hennig Society*. *Systematic Zoology*. V.A. Funk and D.R. Brooks, eds. 31(3):337-341.
- Smith, M. H., D. O. Straney, and G. E. Drewry. 1981. Biochemical similarities among Puerto Rican *Eleutherodactylus*. *Copeia*. 1982(2):463-466.
- Straney, Donald O. 1981. Review of *Systematics and Biogeography* by G. Nelson and N. Platnick. *Science*. 214:788-789.
- Straney, Donald O. and J. L. Patton. 1980. Phylogenetic and environmental determinants of geographic variation of the pocket mouse *Perognathus goldmani* Osgood. *Evolution* 34:888-903.
- Straney, Donald O. 1978. Review of *Evolution and the Diversity of Life: Selected Essays* by E. Mayr. *Journal of Mammalogy* 59:220-221.
- Avise, J. C., D. O. Straney, and M.H. Smith. 1977. Biochemical genetics of sunfish IV. Relationships of centrarchid genera. *Copeia*. 1977:250-258.
- Suda, J. R., D. O. Straney, and R.R. Sharitz. 1977. Morphological aberrations in *Typha* populations in a post-thermal aquatic habitat. *American Journal of Botany*. 64:570-575.
- Straney, D. O., M. H. Smith, I. F. Greenbaum, and R.J. Baker. 1976. Biochemical variation and genetic similarity of *Myotis velifer* and *Macrotus californicus*. *Comparative Biochemistry and Physiology*. 54B: 243-248.
- Dalby, P. L. and D. O. Straney. 1976. The relative effectiveness of two sizes of Sherman live traps. *Acta Theriologica*. 21, 23:311-313.
- Straney, D. O., M. J. O'Farrell, and M. H. Smith. 1976. Biochemical genetics of *Myotis californicus* and *Pipistrellus hesperus* from southern Nevada. *Mammalia*. 40:344-347.
- Straney, D. O., B. Beaman, IL. Brisbin, Jr., and M. J. Smith. 1975. Radiocesium in birds of the Savannah River Plant. *Health Physics*. 28:341-345.
- Campbell, N. L., D. O. Straney, and A.J. Neuringer. 1969. Operant conditioning in the Mongolian gerbil. *Psychonomic Science*. 16:255-256.

### **Published Software (peer reviewed)**

Kreigel, R. and D. O. Straney. 1990. Lineskel: A medial axis program for morphometrics. *Proceedings of the Michigan Morphometrics Workshop*. F.J. Rohlf and F. Bookstein, eds. Special Publication No. 2, University of Michigan Museum of Zoology: Disk #2

### **Non-Refereed and Collaborative Publications**

- 1992 Final Report of the Policies and Benefits Work Group. *Moving Forward: Lesbians and Gay Men at Michigan State University*. T. Stein and A. Skeen, eds. Volume 2. 24 pp.
- 2000 "The Data Made Me Do It." *Policy Perspectives*. 9(2), March, 2000. 12 pp.
- 2000 "Disputed Territories." *Policy Perspectives*. 9(4), November, 2000. 12pp.

Revised August 2014