

Craig S. Hood

I. VITA

a) Current Contact Information

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Present Position: Professor
Department of Biological Sciences
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b) Education/Degrees

Ph.D. 1986. Texas Tech University, Evolutionary Biology.
M.A. 1981. California State Univ., Fullerton, Biological Sciences.
B.A. 1977. California State Univ., Fullerton, Biological Sciences.

c) Employment History / Professional Positions

2007-date Chairperson, Department of Biological Sciences, Loyola University, New Orleans. Administration of 10-member department.

2004-2007 Associate Chairperson, Department of Biological Sciences, Loyola University.

2000-2003 Chairperson, Department of Biological Sciences, Loyola University, New Orleans. Administration of 11-member department.

2000-date Professor, Department of Biological Sciences, Loyola University, New Orleans. Teaching, research, and service functions in Biological Sciences.

1999-2001 Co-Chair of Host Committee of 62nd Annual Meeting of Association of Southeastern Biologists held in April 2001, New Orleans, LA

1999 Panelist, National Science Foundation Courses, Curriculum, and Laboratory Instruction Program (CCLI), Division of Undergraduate Education.

1999-date Research Associate, Nat. Science Res. Lab., Museum, Texas Tech University

1996 Visiting Research Professor, Department of Ecology & Evolution, State University of New York, Stony Brook (sabbatical leave).

1992-1995 Chairperson, Department of Biological Sciences, Loyola University, New Orleans. Administration of 8-member department.

1992-1994 Director, Undergraduate Research Program, Department of Biological Sciences, Loyola University, New Orleans. (LA BOR LEQSF HRD grant)

1991-1996 Director, Hypermedial Microcomputer Lab, Department of Biological Sciences, Loyola University, New Orleans. (NSF-ILI grant)

- 1991-1993 Managing Editor, *Mammalian Species* and *Special Publications*, American Society of Mammalogists.
- 1991 Acting Chairperson, Department of Biological Sciences, Loyola University, New Orleans. Administration of 7-member department.
- 1990-2000 Associate Professor, Department of Biological Sciences, Loyola University, New Orleans. Teaching, research, and service functions in Biological Sciences.
- 1990-date Adjunct Curator of Mammals, Museum of Natural History and Department of Ecology & Evolutionary Biology, Tulane University.
- 1986-1989 Assistant Professor, Department of Biological Sciences, Loyola University, New Orleans. Teaching, research, and service functions in Biological Sciences.
- 1984-1985 Albert R. and Alma Shadle Fellow. Nominated by the American Society of Mammalogists, awarded by the Buffalo Foundation.
- 1983 Research Assistant to Expedition to Thailand, sponsored by Carnegie Museum Natural History, Hofstra University, Texas A & M, and Texas Tech University.
- 1981-1985 Part-Time Instructor, Department of Biological Sciences, Texas Tech University.
- 1980-1981 Laboratory instructor, Department of Biology, Santa Ana College, Santa Ana, CA.
- 1979,1981 Research Assistant to Taylor South Seas Expeditions. Two summer field seasons in Bismarck Archipelago, Papua New Guinea to collect bats and birds.
- 1977-1981 Teaching Assistant, Department of Biological Sciences, CSU Fullerton.

PROFESSIONAL SOCIETIES and REVIEW BOARDS

Professional Societal Affiliations (member)

American Association for the Advancement of Science
 American Society of Ichthyologists and Herpetologists
 American Society of Mammalogists
 American Association of Physical Anthropologists
 Association of Southeastern Biologists
 North American Bat Research
 Society for Conservation Biology
 Society of Integrative & Comparative Biology
 Southeastern Bat Diversity Network

Educational and Conservation Associations (member)

Bat Conservation International
 National Audubon Society

Societal Committees

American Society of Mammalogists
 Editorial Committee (1984-1985, 1991-1993)

updated 10 April 2008

Mammal Slide Library (1984 to 1991)
 75th Anniversary Committee (1985 to 1994)
 Information Retrieval (1997 to 2001)

Editorial Experience

1980-1981 Editorial Assistant to Dr. James D. Smith, Journal editor, *Systematic Zoology*.
 1982-1984 Editorial Assistant to Dr. Robert J. Baker, Managing editor, *Journal of Mammalogy*.
 1984-1985 Editorial Assistant to Dr. Clyde Jones, Managing editor, *Journal of Mammalogy*.
 1991-1993 Managing Editor, *Special Publications* and *Mammalian Species*, American Society of Mammalogists

Reviewer for Grants and Journals

1988-date Reviewer of NSF proposals (Systematic Biology, RUI programs, ~2 per year)
 2001-date Reviewer for Johnson Science Foundation (30 proposals per year).
 2004-date Reviewer for Pontchartrain Restoration Program (30+ proposals per year).
 1999 NSF Panelist for Courses, Curriculum, Laboratory Instruction (20 proposals)
 1982-date Peer-reviewer for journal articles (average 4 per year).

SCHOLARSHIP AND RESEARCH

SUMMARY OF PUBLICATIONS

26 peer-reviewed journal articles
 3 book chapters
 4 book reviews
 11 published abstracts

SUMMARY OF PAPER PRESENTATIONS

54 papers at professional conferences
 21 invited departmental seminars
 1 international symposium presentation
 43 public lectures / programs

SUMMARY OF GRANTS RECEIVED (total of \$ 747,430)

3	NSF grants (+ 1 suppl.) ...	\$ 87,703
1	NPS grant	\$ 108,802
2	LA BOR grants	\$ 64,125
1	LA BOR Endowed Chair ...	\$ 400,000
5	Other external grants.....	\$ 8,765
12	Loyola res/educ. grants...	\$ 69,995
1	Marquette Fellowship...	\$ 8,000

Extramural Grants: (total of \$ 669,395)

- 2003-05 **National Park Service.** National Park Inventory & Monitoring Program. "Mammal Inventory and Monitoring Program at Jean Lafitte National Park & Preserve." \$108,803. H5028-02-0152.
- 2002-03 **U.S. Geological Survey.** Study of nutria herbivory in Jean Lafitte National Park, Barataria Unit., \$ 4,500. JCWS-01CRCN0018.
- 1999-00 **Louisiana Board of Regents.** Endowed Chair Program. CO-PI on proposal to establish the Mullahy Endowed Chair in Environmental Biology. \$400,000.
- 1992-94 **Louisiana Board of Regents.** NSF/EPSCOR / Louisiana Stimulus for Excellence in Research (LaSER) HRD Program. Undergraduate Research Experiences in support of careers in Biological Sciences in the 21st century. \$ 59,825. HRD-04 (1993).
- 1991-92 **National Science Foundation- ILI.** Instrumentation Program. Acquisition of hypermedial technology to enhance the Biology curriculum. \$ 36,735 DUE-9152072.
- 1990-91 **Louisiana Board of Regents.** Louisiana Stimulus for Excellence in Research (LaSER) Facility Access Grant. Kinematic studies of feeding in nectarivorous and frugivorous bats. \$ 4,300. RFAP-09 (1990).
- 1988-90 **National Science Foundation Supplement** to BSR-8723153. Video-based image analysis instrumentation. \$ 5,104, with half matched by Loyola.
- 1988 **National Science Foundation.** Workshop entitled -- Morphometrics in Systematic Biology. Support of my attendance at a two-week workshop. \$ 1,000.
- 1988-90 **National Science Foundation - RUI.** Historical transformation and functional design in the evolution of the tongue in Old World fruit bats. \$ 44,864. BSR-8723153.
- 1986 **Museum of Comparative Zoology, Harvard University, Ernst Mayr Grant.** Systematics of the Old World nectar-feeding bats. \$ 600.
- 1984 **Albert R. and Alma Shadle Fellowship.** Nominated by the American Society of Mammalogists, awarded by the Buffalo Foundation. \$ 3,200.
- 1983 **American Society of Mammalogists Grant-in-Aid-of Research.** Structure and evolutionary implications of fetal membrane morphogenesis in *Macroglossus lagochilus*. \$ 465.

Intramural Grants: (total of \$ 76,845)

- 2008 **Loyola Faculty/Course Development Grant.** Ecology and Conservation Biology of the Bahamas: a new course for Bahamas Summer Program. \$ 1,000.
- 2006 **Loyola University Bieber Guest Lecture.** To host Dr. David Patterson's visit to present the 2nd Moore Lecture in Ecology and an internet workshop. Co-authored with Dr. James Wee. \$ 2,300.

- 2005 **Marquette Faculty Fellowship.** The mammals of Jean Lafitte National Historical Park, Louisiana, USA. \$ 8,000.
- 2004 **Loyola Faculty Research Grant.** Landscape ecology of the coyote (*Canis latrans*) in marsh and hardwood swamp habitats of southeastern Louisiana. \$ 1,150.
- 2000 **Loyola Faculty/Course Development Grant.** 62nd Annual meeting of Association of Southeastern Biologists, hosted by Department of Biological Sciences, Loyola University. \$ 1,500.
- 1999 **Loyola Faculty Research Grant.** Experimental test of swimming performance in the blacktail shiner, *Cyprinella venusta*. \$ 1,500.
- 1998 **Loyola Faculty Development Grant.** Geometric Morphometrics Symposium: Collaborative teaching and research among biologists, computer scientists, and statisticians. \$ 1,459.
- 1997-8 **Office of Information Technology.** Enhancing information technology in support of teaching, research, and service in Biological Sciences Office. Proposals to acquire new faculty pcs for www usage (\$ 24,900), and to replace and upgrade the Hypermedial lab /Departmental Office (\$ 41,000). The faculty development proposal was fully funded.
- 1995 **Computer Resources Request.** College of Arts & Sciences. Proposal to upgrade NSF-funded Hypermedial laboratory, upgrading memory, acquiring CD-ROM drives, laserwriter, and IBM-compatible pc. \$ 10,600.
- 1995 **Loyola Faculty Research Grant.** Cranial morphometrics and its relationship to environmental quality in Louisiana populations of the muskrat, *Ondatra zibethicus*. \$ 2,125.
- 1988-91 **Computer Resources Request.** Academic Computing Advisory Board. 2 proposals to enhance computing resources in Biological Sciences. One proposal requested support for faculty development lab (\$ 10,450), whereas the other sought funds to establish a teaching facility (\$ 44,000). Requested \$ 54,450. Faculty Development proposal was funded (@ \$ 7,000); the teaching laboratory was partially funded -- cluster of 4 Macintoshes, server, and printer (about \$ 8,000).
- 1989 **Loyola Faculty/Course Development Grant.** (Co-PI with Dr. David A. White) The ecology, geology, and natural history of Big Bend National Park. \$ 760.
- 1988 **Loyola Faculty Research Grant.** Video-based image analysis instrumentation. This support represents the required matching funds for the NSF grant. \$ 2,500.
- 1988 **Loyola Faculty/Course Development Grant.** Workshop in Morphometrics in Systematic Biology, submitted concurrently with a proposal to NSF. When I received notification of NSF support, I returned these funds to Loyola. \$ 465.
- 1988 **Loyola University Bieber Guest Lecture.** To host Dr. E. O. Wiley. \$ 550.

- 1987 **Loyola Faculty Research Grant.** Evolutionary implications of fetal membrane morphogenesis in Old World fruit bats. \$ 2,464.
- 1986 **Loyola Faculty/Course Development Grant.** Computer applications for research and teaching of evolution. Support for travel to workshop. \$ 427.
- 1984 **Texas Tech University Graduate Student/Faculty Research Assistantship.** Evolutionary relationships of seven genera of emballonurid bats: implications from chromosomal banding data. \$ 795.
- 1977-78 **CSU, Fullerton, Graduate Student Grants-in-Aid.** Support for 3 projects, including my Master's thesis. \$ 500.

PUBLICATIONS (peer-reviewed journals, book chapters)

- Hood, C.S., and A.L. Gardner. 2008. Family Emballonuridae. Pp. 188-210, In, *Mammals of South America, Vol. 1: Marsupials, Xenarthrans, Shrews, and Bats*. (A.L. Gardner, ed.). Univ. Chicago Press. 669 pp.
- Wee, J.L., A.M. James, and C.S. Hood. 2005. Exploratory investigations of palmella stage formation in Synurophyceae. Proceedings of the Sixth International Chrysophyte Symposium. *Beiheft zur Nova Hedwigia*. 128: 257-266
- White, D.A., D.P. Hauber, & C.S. Hood. 2004. Clonal differences in *Phragmites australis* from the Mississippi River delta. *Southeastern Naturalist*. 3: 531-544.
- White, D.A., & C.S. Hood. 2004. Vegetation patterns and environmental gradients in tropical dry forests of the northern Yucatan peninsula, Mexico. *Journal Vegetation Science*. 15: 151-160
- Guill, J.M., C.S. Hood, & D.C. Heins. 2003. Female body shape variation within and among three species of darters. *Ecology of Freshwater Fish*. 12: 134-140
- Guill, J.M., D.C. Heins, & C.S. Hood. 2003. The effect of phylogeny on interspecific body shape variation in darters. *Systematic Biology*. 52: 488-500.
- Hood, C. S. 2000. Geometric morphometric approaches to the study of sexual size dimorphism in mammals. *Hystrix*. 11: 77-90.
- Hood, C.S., and D.C. Heins. 2000. Ontogeny and allometry of body shape in the blacktail shiner, *Cyprinella venusta*. *Copeia*, 2000 (1), 270-275.
- Jones, J. K., Jr., and C. S. Hood. 1993. Synopsis of South American bats of the family Emballonuridae. *Occas. Papers, Museum, Texas Tech University*, 155:1-32.
- Shiple, M. M., F. B. Stangl, Jr., R. L. Cate, and C. S. Hood. 1990. Immunoelectrophoretic relationships among four species of woodrats (Cricetidae: *Neotoma*). *Southwestern Naturalist*, 35:173-176.

- Hood, C. S. 1989. Comparative morphology and evolution of the female reproductive tract in macroglossine bats (Mammalia, Chiroptera). *Journal of Morphology*, 199: 1-16.
- Baker, R. J., C. S. Hood, and R. L. Honeycutt. 1989. Phylogenetic relationships and classification of the higher categories of the New World bat family Phyllostomidae. *Systematic Zoology*, 38:228-238.
- Hood, C. S., and J. D. Smith. 1989. Sperm storage in a tropical nectar-feeding pteropodid bat, *Macroglossus minimus* (Pteropodidae). *Journal of Mammalogy*, 70: 404-406.
- Forman, G. L., J. D. Smith, and C. S. Hood. 1989. Exceptional size and unusual morphology of spermatozoa in *Noctilio albiventris*. *Journal of Mammalogy*, 70: 179-184.
- Hood, C. S., D. A. Schlitter, R. J. Baker, and J. I. Georgudaki. 1988. Chromosomal studies of bats (Mammalia, Chiroptera) from Thailand. *Annals of Carnegie Museum*, 57: 99-109.
- Baker, R. J., M. B. Qumsiyeh, and C. S. Hood. 1987. The role of chromosomal banding data in understanding mammalian evolution. Pp. 67-96, in, *Current Mammalogy* (H. H. Genoways, ed.). Plenum Press, New York.
- Hood, C. S., and R. J. Baker. 1986. G- and C-banding chromosomal studies of bats of the family Emballonuridae. *Journal of Mammalogy*, 67: 705-711.
- Hood, C. S., and J. D. Smith. 1984. Histology of a sexually dimorphic integumentary gland in *Macroglossus lagochilus* (Chiroptera, Pteropodidae). *Journal of Mammalogy*, 65:1-9.
- Hood, C. S., and J. K. Jones, Jr. 1984. *Noctilio leporinus*. *Mammalian Species* No. 216. Pp. 1-7. American Society of Mammalogists.
- Hood, C. S., L. W. Robbins, R. J. Baker, and H. S. Shellhammer. 1984. Chromosomal studies and evolutionary relationships of an endangered species, *Reithrodontomys raviventris*. *Journal of Mammalogy*, 65: 655-667.
- Smith, J. D., and C. S. Hood. 1984. Genealogy of the New World nectar-feeding bats revisited: a reply to Griffiths. *Systematic Zoology*, 33: 435-460.
- Hood, C. S., and J. Pitochelli. 1983. *Noctilio albiventris*. *Mammalian Species* No. 197. Pp. 1-5. American Society of Mammalogists.
- Hood, C. S., and J. D. Smith. 1983. Histomorphology of the female reproductive tract in phyllostomoid bats. *Occas. Papers, Museum, Texas Tech University*, 86: 1-38.
- Smith, J. D., and C. S. Hood. 1983. A new species of tube-nosed bat, (*Nyctimene*) from the Bismarck Archipelago, Papua New Guinea. *Occas. Papers, Museum, Texas Tech University*, 81: 1-14.
- Stangl, F. B., Jr., B. F. Koop, and C. S. Hood. 1983. Occurrence of *Baiomys taylori* on the Texas High Plains. *Occas. Papers, Museum, Texas Tech University*, 85: 1-4
- Smith, J. D., and C. S. Hood. 1981. Preliminary notes on bats from the Bismarck Archipelago, (Mammalia, Chiroptera). *Science in New Guinea*, 8:81-121.

- Hood, C. S., and J. D. Smith. 1982. Cladistical analysis of female reproductive histomorphology in phyllostomatoid bats. *Systematic Zoology*, 31:241-251.
- Smith, J. D., and C. S. Hood. 1980. Additional records of *Rhinolophus ruwenzorii* Hill, 1942, with comments on its natural history and taxonomic status. Pp. 163-172, in *Proc. Fifth International Bat Research Conference* (D.E. Wilson and A.L. Gardner, eds.). Texas Tech Press, 434 pp.

BOOK REVIEWS (solicited)

- Hood, C. S. 2002. [Review of] *Ontogeny, Functional Ecology and Evolution of Bats*. (R.A. Adams & S.C. Pedersen, eds.). *Journal of Mammalogy*. 83: 628-630.
- Hood, C. S. 1999. [Review of] *Asymmetry, Developmental Stability, & Evolution*. (A.P. Møller & J.P. Swaddle). *Quarterly Review of Biology*. 74: 346-347.
- Hood, C. S. 1985. [Review of] *Bats: a natural history*. (J. E. Hill and J. D. Smith) *American Zoologist*, 26: 291-292.
- Hood, C. S. 1983. [Review of] *Ecology of Bats*. (T.H. Kunz, editor). *Journal of Mammalogy*, 64: 549-550.

PUBLISHED ABSTRACTS:

- Hood, C.S., and M.A. Martinez. 2002. Swimming performance studies of the golden shiner, *Notemigonus crysoleucas*. *Journal of Integrative & Comparative Biology*, 42:
- Hood, C.S., and A. Askar. 2000. Sexual dimorphism in cranial size and shape: *Miopithecus talapoin* (Primates, Cercopithecidae). *Journal of Integrative & Comparative Biology*, 40: 1063-1064.
- Hood, C.S., and N. T. Vu. 2000. Geographic variation and sexual dimorphism in Louisiana populations of the muskrat, *Ondatra zibethicus*. *Proc. Louisiana Academy of Sciences*, 62: 55.
- Hood, C.S., R.S. Fortier, S. Kane, and A.M. Bourgeois 1999. A 5-year study of roost selection and use in the eastern pipistrelle bat, *Pipistrellus subflavus*, in Southeastern Louisiana. Part 1. *Proc. Louisiana Academy of Sciences*, 61: 25.
- Bourgeois A.M., C.S. Hood, R.S. Fortier, and S. Kane. 1999. Factors effecting microhabitat use in the eastern pipistrelle bat, *Pipistrellus subflavus*, Southeastern Louisiana. Part 2. *Proc. Louisiana Academy of Sciences*, 61: 26.
- Hood, C.S., B.J. Poindexter, and T. Spottswood. 1991. Functional design of the tongue in nectarivorous bats: Test of the muscular hydrostatic model. *American Zoologist*, 31:38.
- Hood, C. S., and V. L. Flowers. 1989. Comparative morphology of the tongue in nectarivorous bats: functional design and evolutionary implications. *American Zoologist*, 29: 92A.

- Hood, C. S., and L. A. Gagliano. 1988. 3-dimensional reconstruction and SEM analysis of the tongue in macroglossine bats (Mammalia, Chiroptera). *American Zoologist*, 28:77A
- Hood, C. S. , and D. A. Leone. 1987. Comparative morphology and evolution of the tongue in pteropodid bats. *American Zoologist*, 27:105A.
- Reddy, M. P., and C. S. Hood. 1987. Craniofacial structure and development in phyllostomid bats. *American Zoologist*, 27:22A.
- Hood, C. S. 1986. Sperm storage in bats: extrinsic, intrinsic, or historical constraints? *American Zoologist*, 26:115A.

Papers Presented at Professional meetings (last 10 years)

- 2007 Biodiversity and activity patterns of bats inhabiting Jean Lafitte National Park, Louisiana. Annual Meeting of American Society of Mammalogists, Albuquerque, NM . [with L.E. Nolfo and Bronwyn Welsh].
- 2005 Mammal biodiversity as a component of Louisiana coastal wetland restoration monitoring – a model from Jean Lafitte National Park. 2005 CREST Symposium – “Progress in Understanding Coastal Land Loss and Restoration in Louisiana”, Lafayette, LA. [with L.E. Nolfo].
- 2005 Invasive *Phragmites australis* from the Mississippi River delta – clonal morphological differences and a new expanding genotype. 2005 CREST Symposium – “Progress in Understanding Coastal Land Loss and Restoration in Louisiana”, Lafayette, LA. [With D.A. White & D.P. Hauber].
- 2004 Challenges of inventory and monitoring mammals of Jean Lafitte National Park – Historic and ongoing urban impacts. Annual Meeting, Society for Conservation Biology, New York, NY. [with L.E. Nolfo].
- 2004 Clonal differences in *Phragmites australis* from a unique wetland landscape - the Mississippi River delta. Annual Meeting of Society of Wetland Scientists. Seattle, Washington [With D.A. White & D.P. Hauber].
- 2004 Exploratory investigations of palmella stage formation in Synurophyceae. [with J.L. Wee & A.M. James] Sixth International Chrysophyte Symposium, Helsinki, Finland.
- 2003 Swimming performance studies of the golden shiner, *Notemigonus crysoleucas*. Annual Meeting, of Society of Integrative & Comparative Biology, Toronto, Canada. [with M. Martinez].
- 2002 The effect of phylogeny on interspecific body shape variation in darters. Annual Meeting, of American Society of Ichthyologists & Herpetologists, Kansas City, MO. [with J.M. Guill and D.C. Heins].
- 2002 Geographic variation in size and shape sexual dimorphism in the blacktail shiner, *Cyprinella venusta*. Annual Meeting, of American Society of Ichthyologists & Herpetologists, Kansas City, MO. [with D.C. Heins].

- 2001 Sexual dimorphism in cranial size and shape: *Miopithecus talapoin* (Primates, Cercopithecidae). Annual meeting, Society of Integrated and Comparative Biology, Chicago, IL. [with M. Askar].
- 2001 Factors effecting microhabitat use in the eastern pipistrelle bat, *Pipistrellus subflavus*, in Southeastern Louisiana. Annual Meeting, Association of Southeastern Biologists, New Orleans, LA. [with L.A. Nolfo]
- 2000 Vegetation patterns and environmental gradients in tropical dry forests of the Northern Yucatan Peninsula. Assoc. Southeastern Biologists, Chattanooga, TN. [with D.A. White].
- 1999 Ontogeny and allometry of body shape in the blacktail shiner, *Cyprinella venusta*. Annual Meeting, Amer. Soc. Ichthy. & Herp., College Station, PA. [with D.C. Heins].
- 1999 Ontogeny and allometry of body shape in the blacktail shiner, *Cyprinella venusta*. Association of Southeastern Biologists, Wilmington, VA. [with D.C. Heins].
- 1999 Female body shape variation within and among three species of darters. Annual Meeting, of Association of Southeastern Biologists, Wilmington, VA. [with J.M. Guill and D.C. Heins].
- 1999 Integrating geometric morphometric, modeling, and performance approaches to study body shape change in the blacktail shiner, *Cyprinella venusta*. Midwest Regional Meeting of Division of Vertebrate Morphology, Society of Integrative & Comp. Biology, Athens, OH.
- 1999 Geographic variation and sexual dimorphism in Louisiana populations of the muskrat, *Ondatra zibethicus*. Louisiana Academy of Sciences, Monroe, LA. [with N.T. Vu].
- 1999 Fluctuating asymmetry in mandibular form in Louisiana populations of the muskrat, *Ondatra zibethicus*. Association of Southeastern Biologists, Wilmington, VA [with N.T. Vu].
- 1998 A 5-year study of roost selection and use in the eastern pipistrelle bat, *Pipistrellus subflavus*, in Southeastern Louisiana. Part 1. Louisiana Academy of Sciences, Hammond, LA. [with R.S. Fortier, S. Kane, and A.M. Bourgeois]
- 1998 Factors effecting microhabitat use in the eastern pipistrelle bat, *Pipistrellus subflavus*, in Southeastern Louisiana. Part 2. Louisiana Academy of Sciences, Hammond, LA. [with R.S. Fortier, S. Kane, and A.M. Bourgeois]
- 1998 Geographic variation in size sexual dimorphism in Gulf Coastal populations of the black-tailed shiner, *Cyprinella venusta* (Cyprinidae). Southwestern Association of Naturalists, Albuquerque, NM [with D.C. Heins]
- 1998 Fluctuating asymmetry in Louisiana muskrats (*Ondatra zibethicus*): traditional and geometric morphometric approaches to studying cranial and mandibular form. American Society of Mammalogists, Blacksburg, VA [with N.T. Vu and N.F. Lorenz].
- 1997 Cranial morphometrics in Louisiana muskrats (*Ondatra zibethicus*): traditional and geometric morphometric approaches to sexual dimorphism and geographic variation. American Society of Mammalogists, Stillwater, OK.

[see end of cv for listing of older presentations]

Invited Seminars and Symposia Presentations

- 2007 The Fragmented Landscape: Factors Shaping Biodiversity and Ecology of Bats in SE Louisiana.. Departmental Seminar, Department of Biological Sciences, Southeastern Louisiana University, Hammond, LA.
- 2006 Factors shaping biodiversity and ecology of bats at Jean Lafitte National Park. Departmental Seminar, Department of Biological Sciences, University of New Orleans.
- 2004 Impacts of historical biogeography, landscape features, and humans on mammalian biodiversity of Jean Lafitte National Park. Departmental Seminar, Department of Biology, Nicholls State University.
- 2004 Ecology of a fragmented landscape: mammalian biodiversity of Jean Lafitte National Historical Park. Departmental Seminar, Department of Biological Sciences, Loyola University New Orleans.
- 2003 Geometric morphometrics: Study of size and shape in evolutionary biology. Departmental Seminar, Museum of Natural Science, Louisiana State University.
- 2001 Geometric morphometric approaches to the study of size and shape in anthropology. Departmental Seminar, Department of Anthropology, Tulane University.
- 1998 Geometric morphometric approaches to the study of size sexual dimorphism in mammals. Invited paper for **Geometric Morphometrics in Mammalogy Symposium** to be held at the Euro-American Mammal Congress, Santiago de Compostela, Spain, July 1998.
- 1997 Geometry meets Biology – Geometric morphometric approaches to the study of biological form. Departmental Seminar, Department of Biological Sciences, Loyola University.
- 1996 Bat-plant interactions: an experimental test of behavioral choice in chiropteryophily. Departmental Seminar, Department of Biology, Hofstra University, Hempstead, NY.
- 1995 The evolution of nectarivory in bats: integrating physiological ecology and functional morphology. Departmental Seminar, Biological Sciences, University of New Orleans, LA.
- 1994 The evolution of nectarivory in bats: integrating physiological ecology and functional morphology. Departmental Seminar, Department of Biology, Southeastern Louisiana Univ., Hammond, LA.
- 1990 Historical transformation and functional design in the evolution of Old and New World fruit bats. Departmental Seminar, Carnegie Museum of Natural History, Pittsburgh, PA.
- 1988 Historical constraint in the evolution of feeding mechanisms in bats. Departmental Seminar, Department of Biology, Southeastern Louisiana University, Hammond, LA.
- 1988 Morphometrics in Evolutionary Biology. Departmental Seminar, Museum of Natural History, L.S.U., Baton Rouge, LA.

- 1987 Historical and intrinsic constraints in the evolution of nectarivorous bats. Departmental Seminar, Department of Zoology and Museum of Natural History, L.S.U., Baton Rouge, LA.
- 1987 Functional morphology and convergence in the evolution of nectarivorous bats. Departmental Seminar, Department of Biological Sciences, University of New Orleans, New Orleans, LA.
- 1986 Phylogenetic analysis of the chiropteran family Pteropodidae. Departmental Seminar, Department of Biology, Tulane University, New Orleans, LA.
- 1985 Phylogeny and biological classification. Departmental Seminar, Department of Biological Sciences, Texas Tech University, Lubbock, TX.
- 1985 Phylogeny of Old World nectar-feeding bats: comparison of morphological, chromosomal, and molecular data sets. Departmental Seminar, Department of Mammalogy, American Museum of Natural History, New York, NY.
- 1982 Evolutionary relationships of Neotropical bats based on features of the female reproductive tract. Departmental Seminar, Department of Biology, University of Papua New Guinea, Port Moresby, Papua New Guinea.
- 1981 On the natural history of bats. Departmental Seminar, Department of Biology, Santa Ana College, Santa Ana, CA.

Public Lectures & Programs

- 2007 Discovering the Mammals of Jean Lafitte National Park & Preserve. Lecture Presentation, Fall Meeting of the Orleans Audubon Society. Lecture scheduled for November 2007.
- 2007 Bats of Barataria. Educational program and "bat walk". Education Center, Jean Lafitte National Historical Park & Preserve. Scheduled for October 2007.
- 2007 Bats of Louisiana: a Model for Conservation Biology. Lecture and Educational Program, National Wildlife Week, U.S. Fish & Wildlife Service, Lacombe, LA. Presentation to 50 attendees of Wild Things 2007 (total of 1,000 attendees).
- 2007 On the Biology of Bats. Educational program for East Jefferson High School. East Jefferson High School, Metairie, LA. 300 attendees.
- 2006 What's at Stake? Evolution, Intelligent Design, and Faith. President's Forum on Current Issues and Controversies. Invited panelist for discussion of Science, Religion, Evolution, and Intelligent Design. About 100 attendees from public, DVD and video produced and distributed.
- 2006 Bats of Louisiana: a Model for Conservation Biology. Lecture and Educational Program, National Wildlife Week, U.S. Fish & Wildlife Service, Lacombe, LA. Presentation to 40 attendees of Wild Things 2006 (total of 1,500 attendees).

- 2006 Bats of Barataria. Educational program and “bat walk”. Education Center, Jean Lafitte National Historical Park & Preserve. 30 attendees.
- 2006 Learning about Mammal Ecology. An educational program for 8-10 year old kids, Barataria Summer Camp Program, Jean Lafitte National Historical Park & Preserve. 25 attendees.
- 2006 Learning about Bats. Three educational programs for 8-10 year old kids, Barataria Summer Camp Program, Jean Lafitte National Historical Park & Preserve. 75 attendees.
- 2006 Bats of Barataria. Educational program and “bat walk”. Education Center, Jean Lafitte National Historical Park & Preserve. 30 attendees.
- 2006 After the Storm: New Orleans and its Environment Before & After Katrina. Environmental Panel. Moderator of the program. A panel of environmental scientists, authors, historians, geographers, and journalists discussed the state of environmental issues in the New Orleans region before and after Hurricane Katrina. 700 attendees from public, DVD and video produced and distributed.
- 2005 Bats of Barataria. Educational program and “bat walk”. Education Center, Jean Lafitte National Historical Park & Preserve. 30 attendees.
- 2005 Discovering the Bats of Barataria. Educational program. Belle Terre Library, Jefferson Parish Public Library System, Marrero, LA. 5-9 year old kids. 40 attendees
- 2005 Learning about Bats. Two educational programs for 8-10 year old kids, Barataria Summer Camp Program, Jean Lafitte National Historical Park & Preserve. 50 attendees.
- 2004 Environmental Panel on Art & Science. Invited panelist, Art Works for the Earth, Duque Art Center, New Orleans. A panel of professional artists and scientists discussed the contributions of art and science to public decision-making concerning the environment.
- 2004 One Earth, Passionate Voices. Coordinator of scientific information presented in this art/science exhibition. Art Works for the Earth, Duque Art Center, New Orleans. A collaborative of professional artists and scientists addressed the contributions of art and science to public engagement of environmental issues.
- 2004 Bats of the Louisiana and Mississippi Gulf Coast. Educational Program and Presentation, National Wildlife Week, U.S. Fish & Wildlife Service, Lacombe, LA.
- 2004 Learning about Bats. Two educational programs for 8-10 year old kids, Barataria Summer Camp Program, Jean Lafitte National Historical Park & Preserve.
- 2003 Louisiana Bats – a model for conservation biology. National Wildlife Week, U.S. Fish & Wildlife Service, Lacombe, LA.
- 2003 The World of Bats. Audubon Louisiana Nature Center, New Orleans, LA
- 2001 Louisiana Bats – a model for conservation biology. New Orleans Audubon Society, New Orleans, LA.

- 1999 A natural history of Louisiana bats. Spring meeting of the New Orleans Sierra Club, New Orleans, LA.
- 1999 On the biology bats. Fall meeting of the Stonebridge Garden Club, New Orleans, LA.
- 1999 A natural history of Louisiana bats. National Wildlife Week, U.S. Fish & Wildlife Service, Lacombe, LA.
- 1998 Wildlife Garden Symposium. I was an invited participant in the Wildlife Garden Symposium at the Louisiana Nature Center in Summer 1998. I organized a workshop and presented a lecture on "*Attracting bats to wildlife gardens*".
- 1998 Lecture and ribbon-cutting ceremony (new bat-house). I was an invited lecturer at the Louisiana Nature Center in Fall 1998. I presented a lecture entitled -- "*The Natural History of Bats.*"
- 1997 Creatures of the night: a natural history of Louisiana bats. Spring meeting of the New Orleans Audubon Society, New Orleans, LA.
- 1996 Panelist, Environmental impacts of economic development. Loyola University.
- 1994 The Natural History of bats. Dominican High School, New Orleans, LA.
- 1994 Osteological Musings: a celebration of bones at the Walter Anderson Museum. Walter Anderson Museum of Art, Ocean Springs, MS.
- 1992 On the biology of bats. Biever Hall, Loyola University, New Orleans, LA.
- 1991 Murcielagos, vampiros, fledermaus, chauvis souris: by any name, bats aren't bugs!, Loyola University
- 1991 The population explosion: a biologist's view of our global environmental crisis. Environmental Teach-in, Loyola University, New Orleans, LA.
- 1990 After the storm: the impact of hurricanes on tropical ecosystems, Tulane University.
- 1989 Environmental issues in Louisiana. De La Salle High School, New Orleans, LA.
- 1989 Environmental issues in Louisiana: building bridges between universities and the business community. Greater New Orleans Kiwanis Club, New Orleans, LA.
- 1989 On the natural history of bats. Louisiana Science and Nature Center, New Orleans, LA.
- 1989 Bats! Louisiana Science and Nature Center, New Orleans, LA.
- 1988 The biology of bats. Fall meeting of the New Orleans Audubon Society, Metairie, LA.
- 1988 The giant pandas of Wolong -- Conservation biology in China. Loyola University.
- 1987 The biology of bats. Loyola University, New Orleans, LA.
- 1987 Historical Geology -- what fossils tell us about life in a previous age. Abramson H.S

- 1984 Flying foxes and barking deer: a naturalist's view of Thailand. The Museum, Texas Tech University.

TEACHING

I have taught a wide variety of courses in a diversity of institutions as lecturer and laboratory instructor. The courses listed below include those aimed at non-majors, undergraduate majors in Zoology and Biology, pre-health professional students, and graduate students.

Loyola University, New Orleans (11 courses)

- 1986-07 Comparative Vertebrate Anatomy (20 semesters)
- 1987-08 Evolution – non-majors (11 semesters)
- 1987-98 Histology (11 semesters)
- 2006-07 Cultural Biology – non-majors (3 semesters)
- 1999 Zoological Diversity Lecture (1 semester)
- 1999-05 Biology of Organisms Lec and Lab (5 semesters)
- 2000-08 Ecology & Evolution (3 semesters)
- 1990-91 Biological Research (2 semesters)
- 1991-94 Ecology & Evolutionary Biology (4 semesters)
- 1992 Biology of Mammals – graduate (1 semester)
- 1988 Evolutionary Biology – graduate (1 semester)
- 1986-05 Independent Study / Senior Honors Theses (30 undergraduate student projects)

Texas Tech University

- 1981-85 Anatomy and Physiology (Part-Time Instructor, 8 semesters)
- 1983 Vertebrate Structure & Development (Part-Time Inst., 1 semester)
- 1985 Chromosomal methods (Part-Time Instructor, 1 semester)

Santa Ana College

- 1980-81 Anatomy and Physiology (Lab instructor, 2 semesters)

California State University, Fullerton

- 1977 Comparative Anatomy (Lab instructor, 1 semester)
- 1978 Mammalogy (Lab instructor, 1 semester)
- 1979-81 Human Anatomy (Lecturer & Lab instructor, 7 semesters)

Undergraduate Student Research Projects Directed: (total of 30)

- 2004-05. **Bronwyn Welsh.** *Biodiversity and Activity Patterns of Bats Populating Bayou, Swamp, and Marsh Habitats of Jean Lafitte National Park, Louisiana.* Presently, research technician at University of Southern Mississippi.
- 2002-03. **Sarah Frost.** *Swimming performance in the blacktail shiner, *Cyprinella venusta*.* Presently enrolled in medical degree program at LSU, New Orleans.

- 2000-01. **Michelle Martinez.** *Body shape variation and swimming performance in the golden shiner, *Notemigonus crysoleucas*.* Presently forensics technician in NYPD.
- 1999-00. **Maha Askar.** *Sexual dimorphism and age variation in the talapoin, *Miopithecus talapoin*.* Presently a technician in a genetic testing company, New Orleans, LA.
- 1998-99. **Nga T. Vu.** *Fluctuating asymmetry in Louisiana muskrats: comparison of traditional and Procrustes methods.* Completed a M.S. degree program in Public Health Administration, Tulane School of Public Health.
- 1996-97. **Andrea Bourgeois-Calvin.** *A study of roost site selection and relationships of the eastern pipistrelle bat, *Pipistrellus subflavus*, in southeastern Louisiana.* Completed a M.S. degree program in Biological Sciences at University of New Orleans, presently enrolled in Ph.D. Program in Environmental Sciences at University of New Orleans.
- 1995-96. **Sean Kane.** *A 3-year study of microhabitat use in a Louisiana population of the bat, *Pipistrellus subflavus*.* Presently in biomedical sales in New Orleans.
- 1994-95. **Amy Lobrano.** *Environmental correlates with skull morphology in the Louisiana muskrat, *Ondatra zibethicus*. Part 1.* Completed a medical degree program at Univ. Mississippi, Oxford, practicing physician.
- 1994-95. **Jana Holm-Stevenson.** *Environmental correlates with skull morphology in the Louisiana muskrat, *Ondatra zibethicus*. Part 2.* Presently teaching secondary science education in Metairie, LA.
- 1994-95. **Mary Ellen McHargue.** *Factors effecting roost selection of the bat *Pipistrellus subflavus* in Southeastern Louisiana.* Completed a medical degree program at Univ. Alabama, Birmingham, practicing physician.
- 1994-95. **Miguel Aguilera.** *Population dynamics in the eastern pipistrelle bat, *Pipistrellus subflavus*: a 3 year mark-recapture study.* Completed a medical degree program at LSU, New Orleans, practicing physician.
- 1993-94. **Renee Fortier.** *Factors effecting roost selection of the bat *Pipistrellus subflavus* in Southeastern Louisiana.* Completed nursing degree program at LSU School of Nursing, practicing RN.
- 1993-94. **Michel Guerin.** *Historical changes in wetland vegetation in the active Mississippi River delta.* Completed a medical degree program at Univ. Miami School of Osteopathic Medicine, practicing physician.
- 1992-93. **Joshua Reece.** *Physiological adaptations to nectarivory in Puerto Rican bats.* Completed Ph.D. degree at Johns Hopkins University.
- 1991-92. **Roger Alvarado.** *Descrimination and behavioral choice of nectar in the nectarivorous bat, *Erophylla sezekorni*.* Completed medical degree at LSU, New Orleans, practicing physician.

- 1991-92. **Tim Dozier.** *Quantitative analysis of nectar production in the cultivated banana, *Musa sapientum*.* Completed medical degree at LSU, New Orleans, practicing physician.
- 1991-92. **Jay Bordenave II.** *Cranial morphometrics in the Louisiana muskrat, *Ondatra zibethicus*.* Completed medical degree at LSU, New Orleans, practicing physician.
- 1990-91. **Brian Poindexter.** *Functional morphology of the tongue in nectar-feeding bats -- a test of the Kier and Smith muscular hydrostatic model.* Completed M.A. degree, presently research technician in biotechnology company.
- 1990-91. **Collett Falcon.** *Scanning electron microscopic study of gustatory papillae in phyllostomid bats.* Completed education degree, presently teaching elementary education.
- 1990-91. **Tristanne Spottswood.** *Kinematic studies of feeding in New World nectar-feeding bats.* Completed dental degree at Tulfts Univ., presently an oral surgeon.
- 1989-91. **Lynn Flowers.** *Morphological adaptations for nectar-feeding in marsupials, birds, and bats.*
- 1987-88. **Regina Cavola.** *Morphogenesis of craniofacial elements in the mouse embryo.* Following graduation, enrolled in physical therapy degree program, Univ. Memphis.
- 1987-89. **Lauren Gagliano.** *Comparative ontogeny of the tongue in insectivorous bats, family *Vespertilionidae*.* Completed dental degree at LSU, presently practicing dentist.
- 1987-89. **Keith Peperone.** *Natural history of the eastern pipistrelle bat, *Pipistrellus subflavus*, in Southeastern Louisiana.* Completed dental degree at LSU.
- 1987-89. **David Nordman.** *3-dimensional reconstruction of internal features of the tongue in *Pipistrellus subflavus*.* Research/clinical technician at Oschner Medical Institution.
- 1987-89. **Jose Colon.** *Electron microscopic studies of the tongue papillae in vespertilionid bats.* Completed medical degree at Univ. Puerto Rico, presently practicing physician.
- 1987-89. **Michele Grantadam.** *Histochemical study of keratogenesis in mammalian tongue papillae.* Completed nursing degree program at LSU School of Nursing, practicing RN.
- 1986-88. **Dean Leone.** *Comparative morphology and evolution of the tongue in Old World Fruit bats.* Completed medical degree at LSU, Shreveport, presently practicing physician.
- 1986-88. **Manju Reddy.** *Development and functional morphology of the craniofacial region in phyllostomid bats.* Completed medical degree at LSU, Shreveport, presently practicing physician.
- 1986-88. **Joan Werleman.** *Ontogeny of Meckel's cartilage in New World fruit bats, family *Phyllostomidae*.* Completed dental degree at Univ. Maryland, presently dentist.

Graduate Student Research Directed. -- In addition to directing undergraduate research, I have had the opportunity to serve on the graduate committees of students at Tulane University.

- 1987-88 **Baharudin Omar.** Ph.D. Dissertation Committee, School of Public Health, Tulane University. Dissertation title: *Phylogenetic relationships among species of *Dirofilaria Railliet and Henry 1911*, based on cladistical methodology* Completed defense and granted degree in April 1988. Presently public health researcher in Malaysia.
- 1988-89 **Rudolf Meier.** M.S. Thesis Committee, Department of Biology, Tulane University. Thesis title: *Homoplasy indices and their impact on cladistics.* Completed defense and granted degree in December 1989. Completed Ph.D. at Cornell University in 1995. Currently, Associate Professor, Biological Sciences, National University of Singapore.
- 1994-95 **Mario Cohn-Hoff,** M.S. Thesis Committee, Department of Ecology, Evolution, and Organismal Biology, Tulane University. Thesis title: *A comparison of Forest Canopy versus Interior habitats of Amazonian Bird populations.* Completed defense and granted degree in August 1995. Completed Ph.D. at Louisiana State University in 2000. Currently, Vertebrate Systematist, Instituto Nacional de Pesquisas da Amazonia, Manaus, Brazil
- 1995-02 **J. Michael Guill.** Ph.D. Dissertation Committee, Department Ecology, Evolution, & Organismal Biology, Tulane University. Dissertation topic: *Darter Geometric Morphometrics and Life-history Evolution* Completed defense and granted degree in August 2002. Currently, Assistant Professor in Ecology & Evolutionary Biology, Tulane University, New Orleans.
- 1999-06 **Lauren Nolfo.** Ph.D. Dissertation Committee, Department of Ecology and Evolutionary Biology, Tulane University. Dissertation title: *Seasonal variations in habitat availability, habitat selection, and movement patterns of *Myocastor coypu* on a subtropical freshwater floating marsh.* Completed defense and granted degree in 2006. Currently, Assistant Professor in Biological Sciences, Suffolk University, Boston.
- 2001-06 **Jennifer Coulson.** Ph.D. Dissertation Committee, Department of Ecology and Evolutionary Biology, Tulane University. Dissertation topic: *Intraguild predation, low reproductive potential, and social behaviors that may be slowing the recovery of northern Swallow-tailed Kite population.* Completed defense and granted degree in 2006.

SERVICE TO THE LOYOLA UNIVERSITY COMMUNITY

a) University, College, and Departmental Committees (Loyola University)

- Member, University Animal Care and Use Committee. Spring 1987 to 1996.
 Member, University Faculty / Course Development Committee. Fall 1988-1992.
 Member, University Planning Team -- Faculty Development Subcommittee. 1989-1991.
 Member/Chair, Curriculum Committee. 1989-1992.
 Member, College of Arts & Sciences Dean's Search Committee. 1990-1991.
 Member, Environmental Communications Endowed Chair Search. 1993-1996.
 Member/Chair, College of Arts & Sciences Excellence in Teaching Comm. 1995-1996.

updated 10 April 2008

Member, Tulane Univ. Medical School Early Admissions Committee Spring 1995 to 2002.
 Member/Chair, Biology Department Curriculum Committee. Fall 1988 to 1989.
 Member/Chair, Biology Department Protocol Committee. Spring 1998.
 Member/Chair, Biology Department Curriculum Committee. Spring 1998-Spring 1999.
 Member, College of Arts & Sciences Salary Oversight & Review Committee. 1999-2000.
 Member, College of Arts & Sciences College Rank & Tenure Committee. 1999-2000.
 Member, College of Arts & Sciences Protocol Review Committee. 2002-2003.
 Member, University Y2K Task Force Committee. 1999-2000.
 Member, University Classroom Enhancement Committee. 2001-2003.
 Member, University Search Committee for Provost & AVP. 2001-2003.
 Member/Chair, Environmental Biology Endowed Chair Search. 2002-2003.
 Member, University Search Committee for VP Institutional Advancement, 2004-2005
 Member/Chair, University Grants & Leaves Committee. 2004-2007
 Member, College of Humanities & Natural Sciences Handbook Revision Comm. 2007-date
 Member/Chair, Biology Department Equipment Committee, 2004-date.

Department Chairperson

In Spring and Summer 1991, I served as Acting Chairperson having been elected to fill the position during Dr. David White's sabbatical leave. During the semester I participated in the various activities of chairperson including the routine duties of managing departmental budgets, assuring a quality educational experience in courses offered by the department, developing Summer 1991 and Fall 1991 course offerings, and handling a multitude of problems and requests from faculty, students, and others.

Elected as Departmental Chairperson for AY 1992-95. During this period, the Department experienced unprecedented growth, increasing its majors from 133 (1991) to 275 (1995) and its total Fall semester enrollment in all courses from 550 (Fall 1991) to 900 (Fall 1995). The department mounted searches that resulted in hires of 1 tenure-track, 1 fulltime non-tenure track and 8 parttime faculty; additional tenure-track faculty members were hired in 1996 and 1997. As chairperson I introduced a formal process of faculty evaluation, programmatic outcomes assessment, and prepared materials for re-accreditation by the Southern Association of Colleges and Universities. I wrote institutional proposals to enhance instructional and research equipment that resulted in the department acquiring a 17 ft. Boston Whaler, a second departmental van, computerized physiological teaching laboratory, research and teaching spectrophotometers, DNA sequencing equipment, Class II biohazard hood, and video-based imaging in teaching laboratories. I consider my most significant accomplishment as successfully reducing freshmen lab courses from 30+ students per laboratory section to a maximum of 20.

Elected as Departmental Chairperson for AY 2000-2003. During this period, the Department continued to experience unprecedented growth in numbers of students and scholarship of the faculty. We hired two new tenure-track faculty and upgraded a FT non-tenure track position to a 3-year contract. We filled the Mullahy Endowed Chair of Environmental Biology. I oversaw a major In-depth Review of the department that included the first updating of our Strategic Plan in many years. Instructional and research instrumentation was significantly enhanced, including the replacement of all student microscopes and enhancement of cell and molecular biology courses with a Board of Regents grant (Drs. Hauber & Shuh, PIs).

Elected as Departmental Chairperson beginning AY 2007. I was just elected Chairperson of the Department. Major focus and goals at the beginning of the term are to oversee departmental

operations with a new administrative staff hire, the completion of the revision of the majors' Core Curriculum, to increase resources and effectiveness of Careers in Biology and Faculty Research Seminar Series, to develop proactive approaches to recruiting new students to the major, and to enhance fundraising for the Department's endowed funds.

Faculty Research Seminar Series

In the Spring of 1989, I proposed and organized the Department's first formal faculty research seminar series. Since that time we have hosted over 170 speakers from 30 institutions.

Biology Department Home Page

In the Fall of 1996, I designed and implemented world wide web pages for the Department of Biological Sciences, Loyola University. Currently serving as "webmaster".

Ecology and Evolutionary Biology Group

In the Fall of 1988, Dr. David White and I founded the Southeastern Louisiana Ecology and Evolutionary Biology Group. This organization is comprised of regional researchers and educators that have in common, interests in the scientific disciplines of ecology and evolutionary biology. There are presently 48 participating faculty members from the following institutions:

Loyola University	Southern Regional Research Center (U.S.D.A.)
L.S.U. Baton Rouge	Southern Regional Research Center (U.S.F.S.)
Southeastern Louisiana University	University of New Orleans
Tulane University	Xavier University

During Spring 1989, Loyola sponsored the first in an annual series of EEB lectures -- by Dr. E. O. Wiley University of Kansas. Loyola sponsored the 5th annual lecture, by Dr. William Reiners in 1993 the 9th annual lecture by Dr. Jared Diamond in 1997, and the 12th annual lecture by Dr. Paul Ehrlich in 2000, the 16th annual lecture by Robert Paine in 2005. For more information, see the group website that I manage → <http://www.sleeb.org>

Papers Presented at Professional meetings (Older presentations 1978-1992)

- 1978 Additional records of *Rhinolophus ruwenzorii* Hill, 1942, with comments on its natural history and taxonomic status. Fifth International Bat Res. Conference, Albuquerque, NM.
- 1980 Histomorphology of the female reproductive tract in Phyllostomoidea: phylogenetic implications. Annual meeting, North American Symposium on Bat Research, Los Angeles.
- 1982 Evolutionary implications of female reproductive morphology in phyllostomid bats. Annual meeting, Southwestern Association of Naturalists, Corpus Christi, TX.

- 1982 A geographically variable integumentary gland in the macroglossine bats, *Macroglossus lagochilus*. Annual meeting, American Society of Mammalogists, Snowbird, UT.
- 1983 Preliminary chromosomal analysis of an endangered species, *Reithrodontomys raviventris*. Annual meeting, Texas Society of Mammalogists, Junction, TX.
- 1983 Comparative analysis of reproductive traits in Chiroptera. Annual meeting, Southwestern Association of Naturalists, Little Rock, AR.
- 1983 Chromosomal analysis and evolutionary relationships of an endangered species, *Reithrodontomys raviventris*. Annual meeting, American Society of Mammalogists, Gainesville, FL.
- 1984 Chromosomal studies of two species of *Megaderma* (Chiroptera: Megadermatidae) from Thailand. Annual meeting, Texas Society of Mammalogists, Junction, TX.
- 1984 Pre- and postpartum reproductive characteristics in Chiroptera. Annual meeting, Southwestern Association of Naturalists, Junction, TX.
- 1984 Evolutionary implications of chromosomal homology among four genera of emballonurid bats. Annual meeting, North American Symposium on Bat Research, Rockford, IL.
- 1985 Evolutionary implications of chromosomal homology among seven genera of emballonurid bats. Annual meeting, Southwestern Association of Naturalists, Glendale, AZ.
- 1985 Phylogenetic relationships of the Old World nectar-feeding bats (Pteropodidae: Macroglossinae) based on features of the female reproductive tract. Invited paper in the plenary session, Annual meeting, American Society of Mammalogists, Orono, ME.
- 1985 Genealogy of Old World nectar-feeding bats (Chiroptera: Macroglossinae): convergence, functional morphology, and phylogenetic relationships. Annual meeting, Society for the Study of Evolution, Chicago, IL.
- 1985 Phylogeny of Old World fruit bats: congruence among molecular, chromosomal, and morphological data sets. Annual meeting, Society of Systematic Zoology, Baltimore, MD.
- 1986 Phylogenetic relationships and classification of New World leaf-nosed bats. Annual meeting, Southwestern Association of Naturalists, Norman, OK.
- 1986 Structure and evolutionary implications of fetal membrane morphogenesis in macroglossine bats (Chiroptera: Macroglossinae). Annual meeting, American Society of Mammalogists, Madison, WI.
- 1986 Sperm storage in bats: extrinsic, intrinsic, or historical constraints? Annual meeting, American Society of Zoologists, Nashville, TN.
- 1987 Analysis of multiple data sets: parsimony, phylogenetics, and consensus trees. Annual meeting, Southwestern Association of Naturalists, San Marcos, TX.
- 1987 Historical and intrinsic factors in the evolution of sperm storage in Chiroptera. Annual meeting, American Society of Mammalogists, Albuquerque, NM.

- 1987 Scanning electron microscopic study of the tongues of Old World fruit bats. Annual meeting, Louisiana Society of Electron Microscopy, New Orleans, LA.
- 1987 Comparative morphology and evolution of the tongue in pteropodid bats. Annual meeting, American Society of Zoologists, New Orleans, LA [with D. A. Leone].
- 1987 Craniofacial structure and development in phyllostomid bats. Annual meeting, American Society of Zoologists, New Orleans, LA [with M. P. Reddy and J. Werleman].
- 1988 Ontogenetic and phylogenetic patterns of craniofacial morphogenesis in New World leaf-nosed bats. Annual meeting, American Society of Mammalogists, Clemson, SC [with M. P. Reddy].
- 1988 Phylogenetic relationships of Old World nectar-feeding bats (Chiroptera: Pteropodidae). Symposium of Asian Pacific Mammalogy, Beijing, People's Republic of China.
- 1988 Surface microstructure of the tactile tongue papillae in vespertilionid bats (Mammalia, Chiroptera). Annual meeting, Louisiana Society of Electron Microscopy, Covington, LA [with J. L. Colon].
- 1988 3-dimensional reconstruction and SEM analysis of the tongue in macroglossine bats (Mammalia, Chiroptera). American Society of Zoologists, San Francisco, CA [with L. A. Gagliano].
- 1989 Comparative morphology of the tongue in nectarivorous bats: functional design and evolutionary implications. American Society of Zoologists, Boston, MA [with V. Flowers].
- 1990 Comparative morphology of the tongue in nectarivorous bats: functional design and evolutionary implications. American Society of Mammalogists, Frostburg, MD [with V.L. Flowers].
- 1991 Functional design of the tongue in nectarivorous bats: Test of the muscular hydrostatic model. American Society of Zoologists, Atlanta, GA [with B.J Poindexter & T. Spottswood].
- 1992 Cranial morphometrics in the Louisiana muskrat: sexual dimorphism and geographic variation. Southwestern Association of Naturalists, Junction, TX [with F.J. Bordenave II].
- 1994 Factors effecting microhabitat roost selection in *Pipistrellus subflavus* inhabiting SE Louisiana. American Society of Mammalogists, Washington, DC [with R.S. Fortier].
- 1996 An experimental test of discrimination and choice of artificial nectars by *Erophylla sezekorni*, (Chiroptera, Phyllostomidae). American Society of Mammalogists, Grand Forks, ND. [with J. Reece and R.M. Alvarado].