

SCOTT C. PEDERSEN

Department of Biology & Microbiology
South Dakota State University
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EDUCATION

- 1993 Ph.D., University of Nebraska - Lincoln, School of Biological Sciences
- 1988 M.A., University of Colorado - Boulder, Department of EPO-Biology
- 1984 B.A., University of Colorado - Boulder, Department of EPO-Biology

PROFESSIONAL EXPERIENCE

- 2014+ Professor, Dept. of Biology & Microbiology & adjunct in the Dept. of Natural Resource Management
- 04-14 Associate Professor, Department of Biology & Microbiology, SDSU
- 99-03 Assistant Professor, Department of Biology & Microbiology, South Dakota State University
- 97-99 Research Associate (NIH), Department of Orthodontics, University of Washington – Seattle
- 94-97 NRSA Post-Doctoral Fellow (NIDR), Department of Orthodontics, University of Washington - Seattle
- 93-94 Assistant Professor, American University of the Caribbean - School of Medicine, Montserrat W.I.

- 2007+ Research Associate, Division of Zoology, Museum of Texas Tech University – Lubbock
- 1999+ Curator, Division of Mammals, South Dakota State University
- 97-99 Research Associate, Division of Mammals, University of Washington Burke Museum - Seattle
- 1993+ Research Associate, Division of Zoology, University of Nebraska State Museum - Lincoln

- 91-93 Instructor, Nebraska Scholars Institute: AP courses for HS students in Anatomy & Mammalogy
- 90-93 Gross Anatomy Lab Coordinator: University of Nebraska - Lincoln, School of Biological Sciences
- 89-93 Technical Advisor: Totten Center for Biosystematic Technology, UNSM Morphometrics Lab
- 88-93 Graduate Teaching Assistant: UNL, Human anatomy & General biology
- 86-88 Graduate Teaching Assistant: CU-Boulder, Human anatomy
- 85-86 Curatorial Assistant, Division of Mammals, University of Colorado Museum

SPECIALIZED TEACHING & EXPERTISE

Gross anatomy, Vertebrate evolution, & Vertebrate embryology

PROFESSIONAL MEMBERSHIPS

- 2011+ Human Anatomy and Physiology Society
- 1999+ Bat Working Group - South Dakota (Vice-Chair)
- 1987+ North American Society for Bat Research
- 1984+ Society for Integrative & Comparative Biology
- 1984+ American Society of Mammalogists

- '98-02 Washington State Bat Working Group (Steering Committee)
- '97-04 Bats Northwest (Research Advisory Committee)
- '93-98 Society for the Study of Mammalian Evolution
- '91-04 Society for the Study of Evolution

PEER-REVIEWED PAPERS (n = 30)

- 2017 Larsen R, Larsen P, Phillips C, Genoways H, Kwiecinski G, Pedersen S, Phillips C, & Baker R. Patterns of morphological and molecular evolution in the Antillean tree bat, *Ardops nichollsi* (Chiroptera: Phyllostomidae). Occ. Papers, Museum of Texas Tech University, 345:1-28.
- 2015 He W, Pedersen S, Gupta A, Simmons J, & Müller R. Lancet dynamics in greater horseshoe bats, *Rhinolophus ferrumequinum*. PLoS One. 2015;10(4):e0121700
- 2012 Pedersen SC, Popowics TE, Kwiecinski GG, & Knudsen DEB. Pathology in phyllostomid fruit bats associated with volcanic ash fall on Montserrat. J. Mamm. 93:1380-1392.
- 2012 Larsen RJ, Larsen PA, Genoways HH, Catzeflis FM, Geluso K, Kwiecinski GG, Pedersen SC, Simal F, & Baker RJ. Evolutionary history of Caribbean Myotis: with evidence of a 3rd L-A endemic. Mamm. Biol. 77:124-134.
- 2011 Larsen PA, Siles L, Pedersen SC, & Kwiecinski GG. A new species of *Micronycteris* from St. Vincent, Lesser Antilles. Mamm. Biol., 76:267-700.
- 2011 Genoways HH, Larsen RJ, Pedersen SC, Kwiecinski GG, & Larsen PA. (2012) Bats of Barbados. Chiroptera Neotropical 17:963-988.
- 2010 Lindsay KC, Kwiecinski GG, Pedersen SC, Bacle J-P, & Genoways HH. First record of *Ardops nichollsi* from Antigua, Lesser Antilles. Mammalia 74:93-95.
- 2010 Genoways HH, Kwiecinski GG, Larsen PA, Pedersen SC, Larsen RJ, Hoffman JD, de Silva M, Phillips CJ, & Baker RJ. Bats of the Grenadines, West Indies & placement of Koopman's line. Chiro. Neotrop, 16:501-521.
- 2007 Pedersen SC, Larsen PA, Genoways HH, Morton MN, Lindsay KC, & Cindric J. Bats of Barbuda, Northern Lesser Antilles. Occ. Papers, Museum of Texas Tech University, 271:1-20.
- 2007 Larsen RJ, Boegler KA, Genoways HH, Masefield WP, Kirsch RA, & Pedersen SC. Mist netting bias, species accumulation curves, & rediscovery of two bats on MNI. Acta Chiropt., 9:423-435.
- 2007 Larsen PA, Hoofer SR, Bozeman MC, Pedersen SC, Genoways HH, Phillips CJ, Pumo DE, & Baker RJ. Phylogenetics & phylogeography of *A. jamaicensis* based on cyt-b DNA sequences. J. Mamm., 88:712-727.
- 2007 Genoways HH, Pedersen SC, Larsen PA, Kwiecinski GG, & Huebschman JJ. Bats of St. Martin, French West Indies/St. Maarten, Netherlands Antilles. Mast. Neotrop. 14(2):169-188.
- 2007 Genoways HH, Larsen PA, Pedersen SC, & Huebschman JJ. Bats of Saba, Northern Lesser Antilles. Acta Chiropterologica, 9:91-114.
- 2007 Genoways HH, Pedersen SC, Phillips CJ, & Gordon LK. Bats from Anguilla, Northern Lesser Antilles. Occ. Papers, Museum of Texas Tech University, 270:1-12.
- 2006 Pedersen SC, Genoways GG, Morton MN, Swier VJ, Larsen PA, Lindsay KC, Adams RA, & Appino JD. Bats of Antigua, Northern Lesser Antilles Occ. Papers, Museum of Texas Tech University, 249:1-18.
- 2006 Larsen PA, Genoways HH, & Pedersen SC. New Records of Bats from Saint Barthélemy (St. Barts), French West Indies. Mammalia 70:321-325.
- 2005 Pedersen SC, Genoways HH, Morton MN, Kwiecinski GG, & Courts SE. Bats from St. Kitts, Northern Lesser Antilles. Carib. J. Sci. 41:4:744-760.
- 2005 Herring SW, Pedersen SC, & Huang X. Ontogeny of bone strain: the zygomatic arch in pigs. J. Exp. Biol. 208:4509-4521.
- 2004 Carstens BC, Sullivan J, Davalos LM, Larsen PA, & Pedersen SC. Exploring population genetic structure in three species of Lesser Antillean bats. Mol. Ecology, 13:2557-2566.
- 2003 Pedersen SC, Genoways HH, Morton MN, Johnson JW, & Courts SE. Bats of Nevis, Northern Lesser Antilles. Acta Chiropterologica, 5:251-267.
- 2003 Adams RA, Pedersen SC, Thibault KM, Jadin J, & Petru B. Calcium as a limiting resource to insectivorous bats? Journal of Zoology, London, 260:189-194.
- 1998 Pedersen SC & Anton SC. Bicornal synostosis in a child from historic Omaha cemetery 25DK10. AJPA, 105:369-376.
- 1998 Pedersen SC. Morphometric analysis of the chiropteran skull with regard to mode of echolocation. J. Mamm., 79:91-103.
- 1996 Pedersen SC. Skull growth & the presence of auxiliary fontanels in rhinolophid bats. Zoomorphology, 116:205-212.
- 1996 Pedersen SC, Genoways HH, & Freeman PW. Bats from Montserrat with comments concerning the effects of Hurricane Hugo. Carib. J. Sci., 32:206-213.
- 1995 Pedersen SC. Cephalometric correlates of echolocation in the Chiroptera II: Fetal development. J. Morph., 225:107-123.
- 1993 Pedersen SC. Skull Growth in cannibalistic Tiger salamanders, *Ambystoma tigrinum*. SW. Nat., 38:316-324.
- 1993 Pedersen SC. Cephalometric correlates of echolocation in the Chiroptera. J. Morph., 218:85-98.
- 1993 Fenton MB, Audet D, Dunning DC, Long J, Merriman CB, Pearl D, Syme DM, Adkins B, Pedersen SC, & Wohlgenant T. Activity patterns & roost selection by *Noctilio albiventris* in Costa Rica. J. Mamm., 74:607-613.
- 1991 Pedersen SC. Dental morphology of the cannibal morph in the Tiger salamander, *A. tigrinum*. Amphibia-Reptilia, 12:1-14.

MANUSCRIPTS SUBMITTED OR IN PREPARATION

- Kwiecinski et al., Bats of St. Vincent, Lesser Antilles
- Pedersen et al., Bats of St. Lucia, Lesser Antilles
- Larsen et al., Bats of St. Eustatius, Northern Lesser Antilles

CO-EDITED BOOKS (n = 2)

- 2013 Adams RA & Pedersen SC. Co-editors: Bat Evolution, Ecology, & Conservation. Springer Press. 547p
- 2000 Adams RA & Pedersen SC. Co-editors: Ontogeny, Functional Ecology & Evolution of Bats. Cambridge Univ. Press. 398p

BOOK CHAPTERS (n = 9)

- 2013 Pedersen SC & Müller R. Noseleaves & nasal emission. 72-91p. in: Bat Evolution, Ecology, & Conservation. Springer Press.
- 2013 Pedersen SC, Genoways HH, Kwiecinski GG, Larsen PA, & Larsen RJ. Biodiversity, biogeography, and conservation of bats in the Lesser Antilles. Pp. 62-73, 330, in Biodiversité insulaire: la flore, la faune et l'homme dans les Petites Antilles, eds. J.-L. Vernier and M. Burac. France: Schoelchers, Martinique, Direction de l'Environnement, de l'Aménagement et du Logement de Martinique et Université des Antilles et de la Guyane, 335 pp.
- 2012 Pedersen SC & Timm DW. Cephalometry & evolutionary constraint in bats. in: Evolutionary History of Bats: Fossils, Molecules & Morphology. (eds) G. Gunnell & N. Simmons, Cambridge Univ. Press, pp. 470-499.
- 2010 Pedersen SC, Kwiecinski GG, Larsen PA, Morton MN, Adams RA, Genoways HH, & Swier VJ. Population fluctuation in response to hurricanes & volcanoes, pp. 302-340 in: Island bats: Ecology, Evolution & Conservation. (eds) Fleming & Racey. University of Chicago Press, Chicago. 549 pp.
- 2009 Morton MM & Pedersen SC. Mammals of Montserrat. In: Montserrat: Field guide to the Centre Hills. (ed.) Holiday. West Indies Publ.
- 2008 Pedersen SC, Young RP, Morton MN, & Masefield WP. Bats of the Centre Hills & Montserrat. In: A Biodiversity Assessment of the Centre Hills, Montserrat. Durrell Conservation Monograph #1 (ed.) Young. p. 130-138. Durrell Wildlife Conservation Trust.
- 2006 Herring SW & Pedersen SC. Bone strain in infant mammals & the orientation of bone growth. pp. 91-98. In: Biological Mechanisms of Tooth Eruption, Resorption & Movement, ed. Davidovitch Z, et al., Printing House, Bangkok, Thailand,
- 2000 Pedersen SC. Skull growth & the acoustical axis of the head in bats. pp.174-213.in: Ontogeny, Functional Ecology & Evolution of bats, Cambridge Univ. Press. (eds) Adams & Pedersen.
- 2000 Adams RA & Pedersen SP. Integrating ontogeny into ecological & evolutionary investigations. pp. 1-8.in: Ontogeny, Functional Ecology & Evolution of bats, Cambridge Univ. Press. (eds) Adams & Pedersen.

ARTICLES OR BOOK CHAPTERS FOR THE GENERAL PUBLIC (n = 9)

- 2013 Pedersen SC. Volcanoes & Fruit Bats - Fear & loafing on Montserrat. Pp. 167-180. in: Into the Night (ed) R. Adams. University of Colorado Press, 206 pp.
- 2004 Pedersen SC, Tigner J, & Smith A. Living with bats. SD Conservation Digest 71:10-15.
- 2003 Phelps BJ, Wogen EC, & Pedersen SC. Dead Silence. Skeptic, 10:2:15-16.
- 2003 Pedersen SC. Earth Wind, & Fire, the Story of the Fruitbats of Montserrat. Natural History 112:20-24.
- 2003 Pedersen SC & Morton MN. Field Guide: Bats of the Northern Lesser Antilles.
- 1998 Pedersen SC & Glover J. Bats in City Parks. Washington Park Arboretum Bulletin, 60:10-12
- 1998 Pedersen SC, Bats in military service: USAF, RAF & Commonwealth Air Forces. Bat Research 38:59-68.
- 1996 Pedersen SC & Siegfried D. Bats in military service: United States Naval & USMC aviation. Bat Research 37:42-48.
- 1994 Adams RA & Pedersen SC. Development on the wing. Natural History 103:1:49-54.

REPORTS

- 2015 Lindsay et al., Bat roosts of Antigua, Barbuda, and Redonda – their status and conservation. United Nations Environment Programme (UNEP) and the Global Environmental Facility (GEF).
- 2004 Kiesow et al., South Dakota Bat Management Plan - SD-GFP & SD-BWG
- 2001 Pedersen et al., Bat survey of Brookings County, South Dakota. Report to SD-GFP.
- 1997 Pedersen & Glover, Technical Report: Biodiversity analysis: Bats in the Washington Park Arboretum, Seattle.

ABSTRACTS (n = 58) provided upon request

INVITED SYMPOSIUM TALKS & INVITED LECTURES

- 2010 Biodiversity, Biogeography & Conservation of bats. DIREN & UAG, Martinique, Lesser Antilles
- 2007 Cephalometry and packaging of the head in bats – SVP Evolution History of Bats, Austin TX.
- 2004 Fruit bats of MNI-Population fluctuation in response to hurricanes & volcanoes: ATBC, Miami, FL
- 2014 Non-linear model of the nasopharynx in rhinolophid bats. School of Physics, Shandong University, Jinan
- 2009 Bats of MNI-Biodiversity issues in the Centre Hills Montserrat. Durrell Conservation (UK) MALHE, MNI
- 2009 Morphological constraints on the evolution of rhinolophid skulls. School of Physics, Shandong University, Jinan
- 2007 Bat survey efforts in the Lesser Antilles. University of the West Indies – Barbados.
- 2007 Bat biodiversity in the Lesser Antilles. TTU – Departmental Evolution Seminar.
- 2004 Bat Biology & Behavior – SD Pest Control (PCO) Recertification Courses (04, 06-07, 09) – Brookings SD
- 2003 Current status of fruit bat populations on EUX - Environmental awareness group - St. Eustatius, WI
- 2003 Biogeographic patterns in the Lesser Antilles - Environmental awareness group - Antigua, WI
- 2002 Blown in, Blown off, and Blown up - the bats of Montserrat - SDSU 2002 Hansen Lecture Series
- 2002 Biogeographic patterns in the Lesser Antilles - Environmental awareness group - St. Eustatius, WI
- 1999 Craniofacial growth and the acoustic axis of the head in bats. Dept. Biology, University of Cincinnati.
- 1998 Bat Biology and Behavior - Washington State DOH - Rabies Prevention and Control Workshop.
- 1997 Skull growth and the acoustical axis of the head in bats - Dept. Anatomy, NEO College of Medicine.

EXTERNAL GRANTS & AWARDS

2016 Research & Travel award: National NSF-China & School of Physics, Shandong University, Jinan (via PI Rolf Mueller)
2014 Research & Travel award: National NSF-China & School of Physics, Shandong University, Jinan (via PI Rolf Mueller)
2013 Educational Fellow in the Life Sciences 2013. National Academies NorthStar Institute (HHMI)
10-14 USFWS - Occupancy & Artificial Roost Selection in South Dakota (research support to S. Lewis)
2010 URIEL Wind Inc. - Effect of wind farm development on bat migration Eastern SD.
2009 Travel award: National NSF-China (Project 10774092: via PI Rolf Mueller)
2009 Research & Travel award: Ministry of Education, P.R. China (Projects 985 & 211: via PI Rolf Mueller)
2005 Durrell Wildlife - Centre Hills Biodiversity Project – Montserrat BWI
2002 SD Non-Game Wildlife Conservation Program - Bats (research support to B. Bales)
00-01 SD GF&P - Wildlife Diversity Grants Program II (research support to V. Swier)
1995 Individual National Research Service Award (NIDR Post-Doctoral Fellowship)

INTERNAL AWARDS & GRANTS

2015 Outstanding Teacher Award – Alpha-Lambda-Delta Honor Society
2014 Honors College - Teacher of the Year Award
2013+ Honors College Medallion certificates – 2013 (7), 2014 (5), 2015 (3), 2016 (5).
2013 F. O. Butler Teaching Award - Highest honor for teaching at SDSU
2012 Outstanding Teacher Award – Alpha-Lambda-Delta Honor Society
2011 TRiO Teaching Award (Title IV HEA, 1965) – Wintrode Success Center
2005 Webster Excellence in Teaching Award - Phi-Kappa-Phi Honor Society

2009 Sabbatical – Spring Semester
2008 New Ideas Fund in support of ASM
2007 Griffiths Trust - Research Support Fund
2006 Nelson Research Support Fund
2006 Bentley Trust - Research Support Fund
2005 New Ideas Fund (Research tools 1999, 2001, 2002)

2010 Honorary member – Golden Key Honor Society
2004 Honorary member – Alpha-Lambda-Delta Honor Society

MANUSCRIPT EDITING – JOURNALS (alphabetical)

Acta Anatomica, Acta Chiropterologica, American Midland Naturalist, Australian J Zoology, Biological J Linn. Society, BioScience, Caribbean J Science, Cells Tissues Organs, Check-list, EcoScience, Great Basin Naturalist, J Mammalian Evolution, J Mammalogy, J Morphology, J Anatomy, Mastozoologica, Northeast Naturalist, Quaternary Science Reviews, ScienceNow, Scientific Reports, Western American Naturalist, Zoologischer Anzeiger,

CONSULTING - TECHNICAL ADVISOR

2010+ Batworks LLC
2005+ Durrell Conservation Trust (UK)
2000+ Co-Chair of the South Dakota Bat Working Group
1997+ Montserrat National Trust, Montserrat, BWI
1997+ Ministry of Agriculture, Department of Forestry, Montserrat, BWI

2013 Coral Caye Conservation – Surrey (UK)
13-15 Bat Conservation Trust
10-12 Uriel Wind Inc.
2010 Applied Ecological Solutions, Inc., Lawrence KS.
2008 3M Manufacturing - Brookings
05-09 Darwin Project – Centre Hills Biodiversity Survey – Montserrat
2004 FREDON – Martinique
2004 BBC Natural History Unit
1999 Technical Advisor to Herrera Consulting Firm - Tacoma, WA.
97-02 Bats Northwest NPO – Seattle WA

UNIVERSITY SERVICE

- 2015+ Campus Planning & Design Committee
- 2013+ Academic Affairs Committee
- 2011+ Faculty Senate – AG-Bio Senator
- 2001+ Departmental Scholarship Committee
- 2001+ Departmental Graduate Committee (Chair '01-02)

- 15-16 AAC - University Internship/Learning Experience Committee
- 12-14 Faculty Senate – Task force on Classroom Design
- 12-14 Faculty Senate – Task force on Academic Quality & Rigor
- 2009 SD Thriving magazine (Ag-Bio) - Promotion of Pre-Pro Program (article/video)
- 2008 Co-Host Annual Meeting of the American Society of Mammalogists
- 2007 Host Committee for the SDAS meetings
- 99-01 Departmental Assessment Committee
- 00-09 Advisor to the Sigma Phi Epsilon fraternity
- 03-05 Science Fair Judge – Zoology
- 05-08 Advisor to the Pre-Professional Club at SDSU
- 06-10 Advisor to the Ultimate Frisbee Club at SDSU
- 06-15 Harding Lectureship Committee

COMMUNITY SERVICE & PRESENTATIONS FOR THE GENERAL PUBLIC

- 2010 Bats in the Military — Invited lecture - 265th RRC (Army Airborne), Cedar Rapids, IA
- 2010 Bats 101. Science at the Pub & Science Visions Institute – Brookings, SD
- 2009 SDPB – SDPB Dakota Midday Interview & Science Café presentation – SD Bats (Aberdeen)
- 2009 University Center: Osher Lifelong Learning Institute (OLLI) presentation (Sioux Falls SD)
- 07-09 Brookings Bats and their Behavior – Science Visions Institute – Brookings, SD
- 2006 Bats of Montserrat BWI: 20 years in the Belham Valley. Downtown Kiwanis Club, Brookings SD
- 2006 Bats of Montserrat and SDSU students in the Caribbean. Golden K Kiwanis Club, Brookings SD
- 2005 Fruit bats of MNI-Population fluctuation in response to hurricanes & volcanoes. Phi-Kappa-Phi Society
- 2005 Bat Biology & Behavior – Nebraska Humane Society – Omaha NE.
- 2002 Bat Biology & Behavior – Nebraska Humane Society – Omaha NE.
- 2001 Sublethal pathology in Montserrat's bats- Rotary Club of Montserrat, BWI
- 1999+ Public relations & nuisance bat extractions from private residences (Brookings SD)
- 99-06 Public relations re: bats at the Washington Pavilion – “Spooky Science Night”, Sioux Falls SD
- 1998 Bats of Montserrat BWI: 20 years in the Belham Valley. Environmental Lecture Series - REI-Coop, Seattle.
- 97-99 Seattle – Weekly night nature-walks & ad hoc lectures in the Seattle City Parks, Bat-education slide-shows for K-12
- 88-99 Public relations & nuisance bat extractions from private residences (Lincoln NE & Seattle WA)

FIELD EXPERIENCE

- 2016 Shandong Province, China: Collection of bats
- 2014 Shandong Province, China: Collection of bats
- 2013 Belize: Collection & census of bats
- 2011 Montserrat, West Indies: Collection & census of bats
- 2010 South Dakota, Bat censuses of Moody County
- 2009 Phong Nha, Vietnam & Shandong Province, China: Collection of bats
- 2009 Montserrat, St. Lucia, & St. Eustatius – West Indies: Collection & census of bats
- 07-08 Montserrat, St. Lucia, & Barbados – West Indies: Collection & census of bats
- 2006 Montserrat, St. Vincent, & the Grenadines – West Indies: Collection & census of bats
- 2005 Montserrat and St. Vincent: Collection & census of bats
- 2004 Montserrat, St. Maarten, St. Barts, St. Eustatius – West Indies: Collection & census of bats
- 2003 Antigua, Barbuda, Saba, St. Eustatius, St. Maarten – West Indies: Collection & census of bats
- 2002 Montserrat, Saba, St. Eustatius, St. Maarten – West Indies: Collection & census of bats
- 2001 Montserrat, Nevis, St. Kitts – West Indies: Collection & census of bats
- 2000 South Dakota, Bat censuses of Brookings County & the Oak Lake Field Station, SDSU.
- 2000 Montserrat & Antigua – West Indies: Collection & census of bats
- 1998 Montserrat, West Indies: Collection and census of bats.
- 97-99 Washington, Seattle: Bat censuses of Discovery, Arboretum, Greenlake, & Carkeek City Parks
- 1997 Montserrat, West Indies: Collection and census of bats.
- 93-94 Montserrat, West Indies: Collection and census of bats.
- 1992 Costa Rica, Guanacaste: Collection of bats with M. B. Fenton, York University, Ontario.
- 1992 Colorado, Div. Wildlife: Inactive mine project. Bat census with R. Adams, UW-Whitewater.
- 1989 Trinidad, Grenada, St. Vincent – West Indies: Collection of bats with C. Phillips, Hofstra University, NY.
- 88-92 Wyoming, Fort Laramie Nat. Hist. site: Bat census with R. Adams, UC-Boulder.
- 1988 Colorado, Orient mine: Bat census with R. Adams, UC-Boulder.
- 1985 Germany and Austria: Collection of small mammals with R. Sage, UC-Berkeley.

CURATORIAL EXPERIENCE – RESEARCH ASSOCIATE POSITIONS

2007+ (granted through 2020) Museum of Texas Tech University Research Associate, Division of Zoology

I am grateful for my many years of interaction with the staff/students at TTU. I have deposited all my (2500+) voucher specimens and genetic samples with my colleagues at TTU, several of whom had been my own students (V. Swier, P. Larsen, R. Larsen). My team has published several of our faunal survey projects via the Museum of Texas Tech University – Special Publications/Occasional Papers.

99-16 Curator, South Dakota State University, Division of Mammals

The Natural History Collection at SDSU is the largest resource center for biodiversity and natural history information for South Dakota and the northern Great Plains. However, what I inherited in 1999 was an un-curated, over-sized teaching collection, housed in crude wooden cabinets and over-crowded Lane mammal cabinets stored in a hallway without climate control. Valuable species records and distributional information were being lost and/or damaged because vouchers are forced to serve both synoptic and research functions. Species of concern were slowly being destroyed through insect damage, student mishandling, and voucher abuse wherein tags were often removed from specimens to facilitate lab exams in the Mammalogy class. During the period 2004-2010, I invested considerable effort to 1) replace all wooden cabinets with new metal cabinets, 2) compile an electronic catalogue, 3) separate a synoptic collection from the research collections to limit the damage due to overuse/abuse during teaching labs, and 4) I moved the collection into a newly remodeled, climate-controlled room in 2010. I trained two undergraduate assistants in some basic curatorial skills so that we could put this small regional collection back on its feet – through these efforts, our collection is registered with the American Society of Mammalogists.

1993+ University of Nebraska State Museum Research Associate, Division of Zoology

I prepared and deposited my 1988-1999 voucher material in the UNSM mammal collections. I retain close ties with Dr. Hugh Genoways, Tom Labedz, and Dr. Brett Ratcliffe at that facility. I made extensive use of the mammal collections when I taught 400-500-level Mammalogy labs for Dr. Patricia Freeman. All my doctoral work was performed in the Museum. In 2003, when UNL made great efforts to close that Museum, I rallied several State Senators to confront the Board of Regents on this issue and was very much involved in a letter-writing campaign to save the Museum.

'97-99 University of Washington Burke Museum Research Associate, Division of Mammals

In return for research space and access, I identified approximately 200+ unknown bat skulls that needed curation/catalogue correction. I generated a large database of radiographic data (mostly skull x-rays) that catalogued all chiropteran material in the Burke collections.

'85-86 University of Colorado Museum Graduate Curatorial Assistant, Zoological Collections

I invested two years re-organizing the mammal collections at Boulder. This required the rearrangement and re-packaging of 24 Lane cabinets. The greatest efforts were expended on the rodent collection where all osteological materials were stabilized, re-labeled as pragmatic, and recurated in shell-vials.

HOBBIES & SIDE-PROJECTS

ASM-N-2: BAT MISSILE—I have performed historical research at the United States National Archives II in Washington DC, NAS Pt. Mugu Missile Test Range, NAS China Lake Naval Air Weapons Test Facility, Planes of Fame museum, Smithsonian Institution, Naval Yard, Naval Aviation Archives, National Institute of Standards and Technology, National Archives II, and to the archives at the San Diego Aerospace Museum. These efforts include access to previously classified military documents concerning weapons-development during World War II. These archival materials and extensive photo-documentation are the basis of a book (in progress) concerning the first operational guided weapons to be used by the US Navy in combat (ASM-N-2: Bat Missile). In 2002, the History Channel approached me and requested my participation in one of their programs concerning bats (Air Date 10/27-29/2003: Cat. AAE43872). I maintain contact with several Veterans and maintain an odd assortment of webpages concerning the rather odd historical place taken by bats in Aviation History.

INTERNET AUTHORIZING

Home page	http://bathead.com/
Skull research	http://bathead.com/skulllab.html
Caribbean bat surveys	http://bathead.com/caribres.html
SD Bat Working Group	http://sdbwg.org/

REBUILDING HISTORICAL MILITARY VEHICLES—<http://bathead.com/vogon.html>



CONSTRUCTION OF 1/48 SCALE MODEL AIRCRAFT— <http://bathead.com/modelaircraft.html>

Two of mine are on permanent loan to the USS LEXINGTON (CV-16) Museum – Corpus Christi TX



Collection of Military insignia that depict bats— <http://bathead.com/Insignia.html>



