April 2021 NOTE – For History Information see pages 51-53

# Curriculum Vitae for Lee C. Drickamer (Regents' Professor Emeritus)

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## **PERSONAL INFORMATION:**

Born: May 25, 1946 at Ann Arbor, Michigan Marital Status: Married (Judith Sellers, Past Executive Director, School of Nursing, NAU) Health: Good, 5' 10' tall, 215 lbs. Parents: Mae Elizabeth (McFillen) Drickamer and Harry George (Weidenthal) Drickamer

## **EDUCATION:**

High School: University High School, Urbana, Illinois, Graduated June 1963

Undergraduate:

University of Illinois, Urbana, Illinois, 1962-1963 and summers 1963 and 1965 Oberlin College, Oberlin, Ohio, 1963-1967, B.A. June 1967; *Cum laude* with High Honors in Biology

Graduate:

Michigan State University, East Lansing, Michigan, NDEA Pre-doctoral Fellow in Zoology, September 1967 - March 1970, Ph.D. in Zoology, June 1970

Postgraduate:

NSF Post-doctoral Fellow at the Department of Zoology, North Carolina State University, and the North Carolina Department of Mental Health, Raleigh, North Carolina, March 1970 - July 1971

## ACADEMIC/RESEARCH POSITIONS:

Affiliate Scholar, Biology Department, Oberlin College, June 2013 - present

- Regents' Professor Emeritus, Department of Biological Sciences, Northern Arizona University, June 2010 - present
- Regents' Professor of Biology, Department of Biological Sciences, Northern Arizona University, Flagstaff, July 2004 – May 2010
- Professor of Biology, Department of Biological Sciences, Northern Arizona University, Flagstaff, August 1998- July 2004
- Professor of Zoology, Department of Zoology, Southern Illinois University at Carbondale. August 1987 - August 1998; Adjunct Professor, August 1998 - 2005
- Assistant, Associate, Full Professor of Biology, Department of Biology, Williams College, July 1972 August 1987
- Research Scientist with the North Carolina Foundation for Mental Health Research, July 1971 - August 1972, working at the La Parguera, Puerto Rico - Caribbean Primate Research Center

Visiting Scientist, Coastal Carolina University, Conway, SC, 2010 - 2012

## **ADMINISTRATIVE POSITIONS:**

Vice President for Research (interim), Northern Arizona University June 2007 – January 2008 Chair, Department of Biological Sciences, Northern Arizona University, August 1998 – June 2006 Director, Growing Biotechnology (Arizona Proposition 301 Funds) and Interim Director of SABRE (Strategic Alliance for Bioscience Research & Education at NAU), January 2001 – August 2004 Chair, Department of Zoology, Southern Illinois University at Carbondale, August 1987 - August 1991 Acting Director of Graduate Studies, Southern Illinois University at Carbondale, January 1991 - June 1991 Science Coordinator and Chair, Science Executive Committee, Williams College, July 1986 - August 1987 Director, Williams College Summer Science Program for Minority Students, January 1987 - June 1987 Coordinator of the Bronfman Science Center, Williams College, July 1977 - June 1980

## JOURNAL POSITIONS:

Associate Editor for Animal Behavior for the <u>American Midland Naturalist</u>, July 1974 - June 1980 (two three-year terms)
Consulting Editor for <u>Journal of Comparative Psychology</u>, April 1985 - January 1988
Editor, <u>Report of Science at Williams</u>, 1979, 1980, 1981, 1987
American Editor, <u>Animal Behaviour</u>, August 1988- July, 1991
Editorial Board, <u>Animal Behaviour</u>, July 1997 - present

Editorial Board, Journal of Comparative Psychology, July 2000 – 2015 Book Review Editor, Ethology, July 2002 - June 2005 **SOCIETY POSITIONS:** United States Committee for the International Ethological Conference (USECC) Member, 1980 - 1985 Secretary, 1981 – 1985 International Council of Ethologists (formerly International Ethology Council) Past Secretary-General - 1995 - present (continuing member of Council) Secretary-General 1991 - 1995 Secretary-General-Elect 1989 - 1991 Vice-Secretary-General 1982 - 1991 Council Member 1980 - present Animal Behavior Society Presidential Sequence (Second President-Elect, First President-Elect, President, Past President) 1993 - 1997 Program Officer 1983 - 1986; Acting Program Officer 1993 - 1994 Local Host for Annual Meeting 1987 (Williams College) Local Host for Annual Meeting 1998 (Southern Illinois University) Editor, Animal Behaviour 1988 - 1991 Member, Executive Committee 1983 - 1986, 1988 - 1991, 1993-1997, 2003-2006 Liaison Officer to American Society of Zoologists 1987 - 1989 Endowments Committee, Chair 1991 - 1994 Education Committee 1993 - 1994, 1995 - 1996 Policy Committee 1993 - 1994, 1996 - 1997 Board of Professional Certification 1994 - 1995 Allee Award Committee, Chair 1994, 1997 Founders Memorial Poster Award Committee, Chair 1995 Nominations Committee 1996 - 1999, Chair 1996 - 1997 Career Awards, Chair 1996 - 1997 Committee to Consider Permanent ABS Office (ad hoc) 1994 - 1997 ABS-ASAB Relations Committee 1997 – 2014 Treasurer, 2003 - 2006 Membership Committee & Chair 2004 – 2006 Historian 2007 - 2014 Development Committee, Chair 2013 – 2014 American Society of Zoologists (now Society for Integrative and Comparative Biology)

American Society of Zoologists (now Society for Integrative and Comparative Biology)
 Program Officer, Division of Animal Behavior 1983 - 1986
 Chairperson, Division of Animal Behavior 1987 - 1989
 Member, Executive Committee 1987 - 1989
 Publications Committee (ad hoc) 1994-1995
 Nominations Committee 1996

- International Union of Biological Scientists Delegate to Council 1991 – 1994
- Arizona Arts, Sciences & Technology Academy (AASTA) Board of Governors 2005 – 2009 Chair, Panel of Sustainability and Environmental Stewardship 2005 – 2009 Program Committee, 2007- 2009

#### RESEARCH GRANTS: (\$1,026,500 total funds; w/o TRIF Funds)

- State of Arizona Department of Emergency and Military Services, Camp Navajo Prairie Dog Survey, 2003-2008, \$125,000
- Research Experiences for Undergraduates, 1998 2009. Mentor for students and lecturer. PI is Dr. Stephen Shuster.
- National Fish and Wildlife Federation, "Distribution, Habitat Use, and Plague in Gunnison's Prairie Dogs in Arizona''' with D. Wagner, 2000-2003, \$34,500
- State of Arizona, Proposition 301 funds for Growing Biotechnology, Director, 2001 2007, \$6.6 million (Director)
- Kaibab National Forest, "Distribution of Gunnison's Prairie Dogs in the Kaibab National Forest," with D. Wagner, 2001-2002, \$9,000
- Arizona Department of Game and Fish, "Distribution, Habitat Use, and Plague in Gunnison's Prairie Dogs in Arizona''' with D. Wagner, 2000-2002, \$58,775
- Howard Hughes Medical Institute, 1998-2003, Paul Keim as PI and Director. I assumed the leadership for the final assessment portion of the grant.
- NSF "Mate choice and offspring fitness," with P.A. Gowaty and W. Anderson (Univ. of Georgia), A. Moore (Univ. of Kentucky), G. Rosenquist (Trondheim Univ.-Norway) and C. Bluhm (Delta Waterfowl Res. Ctr.-Canada), 1996-2000, \$360,000 (\$103,600 to SIUC/NAU)
- Harry Frank Guggenheim Foundation, 1992-1995, for studies of "Male aggressive behavior and t-complex genotype", \$35,900. Co-PI with Dr. Sarah Lenington (Rutgers-Newark) and Dr. Mark Erhart (Chicago State)
- Office of Research Development and Administration, SIUC, 1992-1994, for studies of "Factors affecting reproductive success in house mice," \$18,878
- U.S. Forest Service Award, 1989-1991, for studies of "Cooper's Hawks in the Shawnee National

Forest, southern Illinois," \$4000

- Midwest Falconers Association, 1989-1990, for studies of "Cooper's Hawks in the Shawnee National Forest, southern Illinois," \$500
- NSF Grant Nos. BNS 86-09703; BNS 87-96315, 1986-1989, for studies of "Behavioral Aspects of Rodent Urinary Chemosignals," \$60,000
- NIH Grant No. HD 08585, 1975 1986, for studies of "Factors Affecting Sexual Maturation in Mammals," \$412,000, including three renewals
- NIMH Grant No. MH 24483, 1973-1974, for studies of "Behavioral-Environmental Factors Affecting Sexual Maturation," \$6800
- NSF Undergraduate Research Participation (URP) Summer Grants, 1974-1978, for studies of "Behavioral Ecology of Deermice," Administered through the Williams College Biology Department and Center for Environmental Studies, \$32,500 to LCD
- Illinois Department of Natural Resources, "Environmental Assessment Horseshoe Lake Conservation Area," with R.A. Brandon, G.A. Feldhamer, R. Gates, R.C. Heidinger, and B. Burr, 1996, \$42,068
- Illinois Pork Producers Council, "Female swine: Anogenital distance and litter sex ratio as indicators of reproductive failure," with R. Arthur and T. Rosenthal (Animal Science, Food, and Nutrition SIUC), 1996-1999, \$19,700
- Council for Food and Agricultural Research (C-FAR), 1996-1999 for studies of "Female swine: Anogenital distance and litter sex ratio as indicators of reproductive failure," \$73,194. Co-PI with Dr. Robert D. Arthur and Mr. Thomas Rosenthal (Animal Science, Food and Nutrition at SIUC)

## FOUNDATION/EDUCATION GRANTS (\$2,338,000 total funds)

- Ford Foundation Award for support of innovative teaching programs in the sciences at Williams College, \$269,000 over three years, author and principal sponsor of the proposal 1988 -1990 (departed from Williams College as program was beginning)
- Flinn Foundation Award for support of Science Teacher Training for Grades K-8 at Northern Arizona University, \$517,100, 1999-2005
- NSF UMEB Program, "Human Impacts on the Ecosystems of the Colorado Plateau," \$274,928 for co-PI: N. C. Johnson, 2000-2005
- Beckman Scholars Program award, Program Director, 2001-2007, \$176,000 Renewed for 2<sup>nd</sup> Three-year Term

- Ford Foundation Consortium on Multicontextuality, PI on Sub-contract to NAU from Dr. Roberto Ibarra (PI) and the University of New Mexico, 2004 – 2006, \$21,600
- Science Foundation Arizona, PI for SFAz Graduate Fellowships Program, 2008-2009, \$880,000 (administered as VP for Research)

### TRAVEL GRANTS (\$24,000 total funds)

- NSF Grant (\$15,650) for Group Travel for young U.S. scientists (recent Ph.D.'s) to attend the 18th International Ethological Conference at Brisbane, Queensland, Australia, August/September, 1983, principal investigator/administrator of this award
- NSF Grant (\$8000) for Group Travel for young U.S. scientists (recent Ph.D.'s) to attend the 19th International Ethological Conference at Toulouse, France, August/September 1985, principal investigator/administrator of this award

### **SYMPOSIUM GRANTS (\$19,000 total funds)**

- NSF Grant (\$8000) for support of a symposium, "Behavior as a factor in the population dynamics of rodents: new concepts and approaches" presented at the December 1985 Meeting of the American Society of Zoologists at Baltimore, Maryland. Organizer/ Moderator of the symposium and co administrator, with ASZ, of this award
- Society for Integrative and Comparative Biology (\$10,800) for support of a symposium, "Vertebrate animal behavior: Integration of proximate and ultimate causation" presented at the December 1996 meeting of the Society for Integrative and Comparative Biology at Albuquerque, New Mexico. Organizer/Moderator of the symposium.

## EDITORIAL OFFICE GRANT (\$20,000 total funds)

Animal Behavior Society (\$20,500) for support of the Editorial Office for <u>Animal Behaviour</u> for the period 1988-1991

#### PROFESSIONAL SOCIETIES:

AAAS - 1972 - present Animal Behavior Society 1967 - present American Ornithologists Union 1987 – 1999; 2010 - 2015 American Society of Mammalogists 1967 – present Arizona Arts, Sciences & Technology Academy 2004 - 2009 British Ecological Society 1968 - 2000 Cooper Ornithological Society 1988-1999 Ecological Society of America 1969 - 1999 International Society for Behavioral Ecology 1989 - 2003 Sigma Xi 1967 - 2010
Society for Comparative and Integrative Biology (American Society of Zoologists) 1970 – 2007
Society of American Naturalists 1993 – 1998
Southwestern Society of Naturalists 2009 - 2016
Wilson Ornithological Society 1990 – 1999

## ACADEMIC HONORS:

Regents' Professorship at Northern Arizona University Fellow of the Animal Behavior Society (Elected 1992) Woodrow Wilson Graduate Fellowship - Honorable Mention as Designate NSF Post-doctoral Fellow Society of Sigma Xi NDEA Title IV Pre-doctoral Fellow Listing in American Men & Women of Science Listing in Who's Who in the Midwest Listing in Who's Who in Science and Engineering Listing in Who's Who in International Organizations Listing in Who's Who in America, Millennium Edition

## **SPECIAL AWARDS:**

Leo F. Kaplan Research Award as the Outstanding Researcher at Southern Illinois University. 1997; Presented by the Sigma Xi Chapter at SIUC

Exceptional Service Award from the Animal Behavior Society, 1998

Distinguished Animal Behaviorist Award from the Animal Behavior Society, 2010

## **RELEVANT COURSEWORK:**

- Animal Behavior: Ontogeny of Behavior, Behavior of Invertebrates, Behavior of Animal Populations, Seminars on Primate Behavior, Behavior Genetics, and Animal Dispersion
- Ecology and Biometrics: Quantitative Zoology, General Ecology, Introductory Botany, Dynamics of Biological Populations, Advanced Statistics I, Seminar in Pest Population Management
- Physiology: General Cell Physiology, Comparative Animal Physiology, Plant Physiology, Advanced Physiological Psychology
- Other: Comparative Vertebrate Anatomy, Genetics, Histology, Evolution, Cellular Biology,

General Anthropology, Physical Anthropology, Comparative Cultural Anthropology

### **TEACHING EXPERIENCE:**

- North Carolina State University: Seminar Coordinator on various topics in ecology, animal behavior, and pest population management
- Williams College: Regular Semester Courses
  Animal Behavior, Primate Biology, & Behavior, Introductory Biology,
  Advanced Animal Ecology, Sociobiology, Human Biology & Social Issues,
  Ecology of Biological Resources, Ornithology (Courses cross-listed in Psychology,
  Anthropology, Sociology, and Environmental Studies)
- Williams College: Regular Semester Seminars History of Biology, Sociobiology, Vertebrate Social Organization
- Williams College: Winter Term Courses Development of Behavior, Ornithology, Animal Welfare, Mammalogy, Winter Ecology, Popular Ethology Literature, Field Trip to Australia
- Williams College: Supervisor of MA Degree Candidates (2) and Senior Honors Thesis Students (30)
- Southern Illinois University: Ornithology, Animal Behavior, Seminar on Sociobiology and Behavioral Ecology, Senior Seminar, Seminar on Reproductive Success and Mate Choice, General Education Introductory Biology, Teaching Zoology in College, Seminar in Physiological Ecology; Seminar on Conservation Biology' Seminar on Animal Behavior in Relation to Conservation, and Domestic Animal Behavior
- Southern Illinois University: Supervisor of 17 MA/MS Degree Candidates and 3 Doctoral Degree Candidates; Service on 18 MA/MS Degree Committees and 7 PhD Committees
- Northern Arizona University: Biology 300 (Environmental Crises mini-course on endocrine disrupters) and (Writing Natural History); Coordinator, Biology 190 Laboratory (Animal Biology); Coordinator Biology 795 (Preparation for college teaching); Biology 100 (Principles of Biology nonmajors); Coordinator Biology 100 Laboratory; Biology 100 (Concepts in Biology) developed WEB version; Biology 498 Senior Seminar Tools for Success
- Northern Arizona University: Supervisor of 1 Doctoral Degree candidate, 6 M.S. degree, and 4 M.A.T. candidates; Service on 3 MS, 2 PhD, and 3 M.A.T. Degree Graduate Advisory Committees

### **RESEARCH EXPERIENCE:**

- Research Assistant to Dr. Peter R. Morrison studying human environmental physiology and thermoregulation in microtine rodents. Institute of Arctic Biology, University of Alaska, Fairbanks, AK, Summers 1966 and 1967
- Honors Research Program, Oberlin College, studying humidity reactions of the confused flour beetle, 1966 1967, Adviser: Dr. David Egloff
- NDEA Pre-doctoral Fellow and NIH Trainee in Animal Behavior at the Department of Zoology, Michigan State University. Ph.D. thesis entitled "Genetics, experience and strategy as factors in the food habits of *Peromyscus*: Use of olfaction." Adviser: Dr. John A. King
- NSF Post-doctoral Fellow, Department of Zoology, North Carolina State University and Research Division, North Carolina Department of Mental Health. Studies conducted on sexual maturation in mice, hormones, and aggression in hamsters and pest population management. Advisers: Dr. John G. Vandenbergh and Dr. David E. Davis
- Research Associate, La Parguera, Puerto Rico facility of the Caribbean Primate Research Center. Investigations of the social behavior and reproductive biology of free-ranging rhesus macaques on an NIH grant to Dr. John Vandenbergh through the North Carolina Foundation for Mental Health Research
- Williams College, Department of Biology. Laboratory and field investigations of population biology and factors affecting sexual maturation in house mice and studies of habitat selection and behavioral ecology of deermice
- Southern Illinois University, Department of Zoology. Laboratory and field investigations of population biology, genetics, and behavioral ecology of rodents, development and use of DNA-based parental assignment techniques for studies of reproductive success, mate choice, dispersal, and heritabilities of traits in field populations of mice, factors affecting the timing of puberty and the development of behavior including nesting habits and food habits of rodents, effects of age of weaning on behavior development in rodents, comparative mating behavior of stink bugs, dominance, sex ratio, and anogenital distance effects in domestic swine
- Northern Arizona University, Department of Biological Sciences. Laboratory and field investigations of mate choice in house mice, effects of urinary chemosignals on reproductive processes in house mice, habitat relations and demographics of Gunnison's prairie dogs, rodent and plant populations on prairie dog towns, mate choice behavior in confused flour beetles, prairie dog metapopulation biology

## MEETINGS ORGANIZED:

Animal Behavior Society Annual Meeting at Williamstown, MA July 1987 Animal Behavior Society Annual Meeting at Carbondale, IL July 1998 International Ethological Conference – Consultant

- 1987 Madison, Wisconsin, USA
- 1991 Kyoto, Japan
- 1993 Torremolinos, Spain
- 1995 Honolulu, Hawaii, USA
- 1997 Vienna, Austria
- 1999 Bangalore, India

Winter Animal Behavior Conference, Jackson, WY, January 2000, and January 2001

### **DIVERSITY ACTIVITIES**

Williams College - Re-established the Minority Student Summer Bridge Program, 1987

Southern Illinois University - Mentoring/Tutoring African American Undergraduates

Northern Arizona University

Attended NIH-MBRS Program Directors Meeting on behalf of NAU –2001 Attended HHMI Program Directors Meeting on behalf of NAU – 2001

- Director and Co-PI on Undergraduate Mentoring in Environmental Biology (UMEB) program funded by the NSF for underrepresented minority students (Native American and Hispanic)
- PI on sub-contract for Ford Foundation Consortium to explore the notion of Multicontextuality in undergraduate education – Principal funding is through the University of New Mexico

## **DEVELOPMENT ACTIVTITES**

- Williams College worked with Alumni Office on trips to Africa for Alumni and to Australia for undergraduates and alumni
- Berkshire County Historical Society worked with private individuals, local businesses, and foundations to fund activities and renovations at Arrowhead, the Society headquarters and former home of Herman Melville

Taconic Golf Club - worked on capital funding campaign for structural improvements

Southern Illinois University – directed the annual telefund to Zoology alumni, increasing the giving total 6 fold in 10 years; worked with private individuals to establish several new scholarships and awards; increased contact with businesses in Illinois such as Abbot Laboratories

Northern Arizona University - started the graduate student awards program (five different

awards, each made annually) and aided with fund raising for these awards and for the seminar program endowment; participated in A & S Advisory Council and related fund-raising endeavors; work with the A & S Development Office to establish the new Peter Price Endowed Lectureship series – honoring a recent retiree; aided with the establishment of a new scholarship to honor former faculty member, Dr. James Rominger; helped to establish the Fred Funk Departmental Service Award; work with W.L. Gore Co. regarding donations of equipment and supplies (\$100,000), Co-Chair of the Annual Fund for Faculty, Staff, Administrators, and Retirees, 2004 & 2005.

- Northern Arizona University (2006-2007) Assisted College of Engineering & Natural Science Development Office and NAU Office of University Advancement for activities including prospect contacts; hosting contacts at NAU, seminars; emceed the first two scholarship and awards receptions.
- Oberlin College (2014-2017) Chair, Reunion Committee, Oberlin College Class of 1967; Class Agent and Class President (2017 present)

Endowed Funds Established

Williams College: William C. Grant Jr. Prize in Biology
Northern Arizona University: Graduate Student Awards Fund
Northern Arizona University: Drickamer-Montgomery Scholarship in Biology
Oberlin College: Drickamer Fund for Undergraduate Research in Biology
Oberlin College: Drickamer Scholarship in Biology
Oberlin College: Weidenthal Summer Internship with the Oberlin College Archives
Oberlin College: J.D. and Linda Donovan Fund to Sponsor Annual Career Conference

## ABSTRACTS, PAPER PRESENTATIONS, PLENARY TALKS, AND INVITED <u>SYMPOSIUM TALKS</u>: (n = 113; 13 published abstracts)

Drickamer, L.C. Genetic and experiential factors: olfactory preferences in *Peromyscus*. <u>Amer. Zool</u>. 9:569. Animal Behavior Society/AIBS Meeting, Burlington, VT, August 1969

Drickamer, L.C., J.G. Vandenbergh, and D.R. Colby. Environmental factors in the sexual maturation of female mice. <u>Amer. Zool</u>. 10:478-479. Animal Behavior Society/AAAS Meeting, Chicago, IL, December 1970

Drickamer, L.C. and J.G. Vandenbergh. Predictors of social dominance in adult male golden hamsters. Animal Behavior Society Meeting, Logan, UT, June 1971

- Vessey, S.H. and L.C. Drickamer. Group-changing in free-ranging rhesus monkeys. <u>Bull.</u> <u>Ecol. Soc. Amer.</u> 54:40. Animal Behavior Society/AIBS Meeting, Amherst, MA, June 1973
- Drickamer, L.C. Seasonal patterns of aggression in rhesus monkeys. <u>Bull. Ecol.</u> <u>Soc. Amer.</u> 54:39. Animal Behavior Society/AIBS Meeting, Amherst, MA, June 1973

- Vandenbergh, J.G. and L.C. Drickamer. Endocrine coordination and seasonal breeding in rhesus monkeys. XIIIth International Ethological Conference, Washington, D.C., August 1973
- Drickamer, L.C. and T.K. McIntosh. Excreted urine, bladder urine and retardation of sexual maturation in grouped female house mice. Animal Behavior Society Annual Meeting, Boulder, CO, June 1976
- Drickamer, L.C. Pheromones and sexual maturation of female house mice. Gordon Research Conference, Plymouth, NH, July 1977 (Invited Plenary Session Paper)
- Drickamer, L.C. Methodological issues involved in primate studies. New England Psychological Association, Worcester, MA, October, 1978 (invited symposium speaker)
- Drickamer, L.C. Factors affecting population regulation in rhesus monkeys. Hudson Symposium on Biosocial Mechanisms of Population Regulation, Plattsburgh, NY, April 1978
- Drickamer, L.C. Pheromones and social factors affecting puberty in rodents. Eastern Psychological Association, Hartford, CT, March 1980 (symposium speaker)
- Drickamer, L.C. Selection for early and late sexual maturation in mice: possible consequences for population regulation. American Society of Mammalogists Meeting, Kingston, RI, June 1980
- Drickamer, L.C. Population regulation in mice: sexual maturation and generation time. Animal Behavior Society Meeting, Knoxville, TN, June 1981
- Drickamer, L.C. Microhabitat orientation: what a deermouse makes of its habitat. XVIIth International Ethological Conference, Oxford, England, September 1981
- Drickamer, L.C. Male acceleration of puberty in female mice. Animal Behavior Society Meeting, Lewisburg, PA, June 1983
- Drickamer, L.C. Chemosignals and the reproductive behavior/population biology of house mice. XVIIIth International Ethological Conference, Brisbane, Australia, September 1983
- Drickamer, L.C. Behavioral responses of mice to urinary chemosignals. Animal Behavior Society Meeting, Raleigh, NC, June 1985
- Drickamer, L.C. Functional aspects of urinary chemosignals in rodents. Fourth International Conference on Chemical Signals in Vertebrates. Laramie, WY, July, 1985
- Drickamer, L.C. External cues, behavior and the population dynamics of rodents. Plenary Session Address, XIXth International Ethological Conference, Toulouse, France, August

1985

- Drickamer, L.C. Behavior and population dynamics in rodents: ecological and evolutionary considerations, American Society of Zoologists Meeting, Baltimore, MD, December, 1985 (symposium presentation)
- Drickamer, L.C. Behavioral aspects of rodent urinary chemosignals. <u>Amer. Zool.</u> 26:118A, American Society of Zoologists Meeting, Nashville, TN, December 1986
- Drickamer, L.C. Nonparental roles of male rodents: some selected comparisons. Animal Behavior Society Meeting, Williamstown, MA, June 1987 (invited symposium presentation)
- Drickamer, L.C. Long-term effects and behavioral aspects of urinary chemosignals influencing puberty in house mice. WABC Meeting, Park City, UT, January 1988
- Drickamer, L.C. Accelerated or delayed puberty and reproductive output in house mice. Animal Behavior Society Meeting, Missoula, MT, August 1988
- Drickamer, L.C. Exploring methods of primate study at La Parguera. 50<sup>th</sup> Anniversary of the Puerto Rican Monkey Colonies, San Juan, PR, December 1988 (invited symposium speaker)
- Drickamer, L.C. Chemosignals and puberty in house mice: mixing urine treatments in unequal proportions. American Society of Zoologists Meeting, San Francisco, CA, December 1988. <u>Amer. Zool</u>. 28:177A
- Drickamer, L.C. Endocrines and populations. WABC Meeting, Park City, UT, January 1989
- Drickamer, L.C. Puberty in mice: behavioral and long term effects. XXIth International Ethology Conference, Utrecht, The Netherlands, August 1989
- Drickamer, L.C. Species, age and nesting affect trap mortality in rodents. American Society of Zoologists Meeting, Boston, MA, December 1989. <u>Amer. Zool</u>. 29:67A
- Drickamer, L.C. Urinary chemosignals and rodent reproduction: Do they work in a natural setting? WABC Meeting, Park City, UT, January 1990
- Drickamer, L.C. and D.G. Mikesic. Urinary chemosignals, reproduction and population size in wild house mice. Animal Behavior Society Annual Meeting, Binghamton, NY, June 1990
- Drickamer, L.C. Field studies of rodent social biology. WABC Meeting, Jackson, WY, January 1991
- Drickamer, L.C. Musings of an Editor. Midwest Regional Animal Behavior Conference, Midland, MI, April 1991, Invited Keynote Speaker
- Drickamer, L.C., D.G. Mikesic and K.S. Shaffer. Odor-baiting traps as a means of

investigating house mouse social behavior. Animal Behavior Society Annual Meeting, Wilmington, NC, June 1991

- Drickamer, L.C. Urinary chemosignals affect reproduction of adult female house mice. Chemical Signals in Vertebrates, Philadelphia, PA, June 1991
- Drickamer, L.C. Urinary chemosignals and house mouse social biology and reproduction. 22nd International Ethological Conference, Kyoto, Japan, August 1991
- Drickamer, L.C. Puberty in house mice: physiological influences and evolutionary consequences. Letten F. Saugstad Research Fund Conference on Models of Development and Puberty, Geilo, Norway, April 1992 (Invited Plenary Lecturer)
- Drickamer, L.C. Behavioral selection by young female mice affects age of puberty. Animal Behavior Society Annual Meeting, Kingston, Ontario, June 1992
- Meikle, D.B., L.C. Drickamer and S.H. Vessey. Maternal dominance rank and secondary sex ratio in domestic swine. Animal Behavior Society Annual Meeting, Kingston, Ontario, June 1992
- Vessey, S.H., L.C. Drickamer and D.B. Meikle. Maternal dominance rank and secondary sex ratio in domestic swine. American Society of Mammalogists Annual Meeting, Salt Lake City, UT, June 1992
- Drickamer, L.C. Chemical signals and house mouse social biology. Fourth International Society for Behavioral Ecology Meeting, Princeton, NJ, August 1992
- Drickamer, L.C. and A.S. Robinson. DNA fingerprinting provides new insights into house mouse social biology. WABC Meeting, Jackson, WY, January 1993
- Drickamer, L.C. Responses of house mice to odors in live traps. American Society of Mammalogists Annual Meeting, Bellingham, WA, June 1993
- Drickamer, L.C. Responses of house mice to odors in live traps. Animal Behavior Society Annual Meeting, Davis, CA, July 1993
- Robinson, A. S. and L.C. Drickamer. Microsatellite DNA parental assignment and reproductive success in house mice. Animal Behavior Society Annual Meeting, Davis, CA, July 1993
- Drickamer, L.C. and A.S. Robinson. Reproductive success in house mice living in outdoor enclosures. XXIIIth International Ethology Conference, Torremolinos, Spain, September 1993
- Robinson, A.S. and L.C. Drickamer. Microsatellite DNA parental assignment and reproductive success in house mice. Midwest Population Biology Conference, Manhattan,

Kansas, October 1993

- Clover, C.A. and L.C. Drickamer. Preferences of female house mice (<u>Mus domesticus</u>) for odors of males with regard to factors of age, dominance, and spatial relationships. Midwest Animal Behavior Conference, Carbondale, IL, April 1994
- Drickamer, L.C. Integrating proximate and ultimate causation in the study of behavior. (Invited Symposium Speaker). Midwest Animal Behavior Conference, Carbondale, IL, April 1994
- Marriner, L.M. and L.C. Drickamer. Temporal partitioning by house mice (<u>Mus domesticus</u>). American Society of Mammalogists Annual Meeting, Washington, D.C., June 1994
- Gillie, L.L. and L.C. Drickamer. Home range estimation for house mice (<u>Mus musculus</u>): comparison of four methods. American Society of Mammalogists Annual Meeting, Washington, D.C., June 1994
- Robinson, A.S. and L.C. Drickamer. Factors influencing dispersal of house mice (<u>Mus</u> <u>domesticus</u>) between outdoor enclosures. American Society of Mammalogists Annual Meeting, Washington, D.C., June 1994
- Marriner, L.M. and L.C. Drickamer. Temporal partitioning by house mice (<u>Mus domesticus</u>). Animal Behavior Society Annual Meeting, Seattle, Washington, July 1994
- Gillie, L.L. and L.C. Drickamer. Home range estimation for house mice (<u>Mus musculus</u>): comparison of four methods. Animal Behavior Society Annual Meeting, Seattle, Washington, July 1994
- Robinson, A.S. and L.C. Drickamer. Factors influencing dispersal of house mice (<u>Mus</u> <u>domesticus</u>) between outdoor enclosures. Animal Behavior Society Annual Meeting, Seattle, Washington, July 1994
- Drickamer, L.C. and A.S. Robinson. Spring cleaning of nest sites by house mice. Animal Behavior Society Annual Meeting, Seattle, Washington, July 1994
- Marriner, L.M. and L.C. Drickamer. Factors influencing stereotyped behavior of primates living in a zoo. American Society of Primatologists Annual Meeting, Seattle, Washington, July 1994
- Drickamer, L.C. Anogenital distance effects in mice living in enclosures. Winter Animal Behavior Meeting, Jackson, Wyoming, January 1995
- Drickamer, L.C. Pheromones and reproduction in house mice: Where are we now? Conference on Reproductive Biology, Boston, Massachusetts, June 1995, Invited Plenary Speaker

- Drickamer, L.C. Anogenital distance and behavior of wild house mice living in enclosures. International Ethology Conference, Honolulu, Hawaii, August 1995
- Altbäcker, V. and L.C. Drickamer. Population biology of house mice living in outdoor enclosures. Hungarian Ethological Society, Budapest, Hungary, November 1995
- Drickamer, L.C. Odors in traps: responses to and responses by dominant and subordinate males. American Society of Mammalogists, Grand Forks, ND, June 1996
- Drickamer, L.C. Odors in traps: responses to and responses by dominant and subordinate males. Animal Behavior Society, Flagstaff, AZ, August 1996
- Holmes, C. M. and L.C. Drickamer. Forest fragmentation and avifauna of the eastern section of the Shawnee National Forrest, Illinois. Society for Conservation Biology, Providence, RI, August 1996. <u>Bull. Ecol. Soc. Amer.</u> 77:200
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- Robinson, A.S. and L.C. Drickamer. Aggression, survival, and reproductive success in male house mice. Animal Behavior Society, Carbondale, IL, July 1998
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- Drickamer, L.C. Urinary chemosignals and reproduction in house mice. International Ethological Conference, Bangalore, India. August 1999 (Invited Symposium Presentation) <u>Advances in Ethology</u> (supplement to Ethology), 34:64
- Drickamer, L.C. Behavioral and reproductive measures of coping in swine. International Ethological Conference, Bangalore, India. August 1999 (Invited Symposium Presentation) <u>Advances in Ethology</u> (supplement to Ethology), 34:80
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- Gedeon, C. and L.C. Drickamer. Prairie dog burrows. International Ethological Conference, Budapest, Hungary, August 2005
- Drickamer, L.C. Whither Animal Behavior. Winter Animal Behavior Conference, Steamboat Springs, CO, January 2006
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- Drickamer, L.C. and D.M. Wagner. Status of Gunnison's Prairie Dogs in Arizona. European Ground Squirrel Meeting, Budapest, Hungary, October 2006
- Drickamer, L.C. Methods Issues in Animal Behavior. Winter Animal Behavior Conference, Steamboat Springs, CO, January 2007
- Drickamer, L.C. Animal Behavior: What's Next. Winter Animal Behavior Conference, Steamboat Springs, CO, January 2008
- Drickamer, L.C. History of Textbooks in Animal Behavior. Winter Animals Behavior Conference, Steamboat Springs, CO, January 2010
- Drickamer, L.C. Animal Behavior at a Crossroads. Distinguished Animal Behaviorist Lecture, College of William and Mary, Williamsburg, VA, July 2010
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Sociobiology of primates and humans. Eastern Psychological Association, Worcester, MA, October 1978

Development of behavior. Animal Behavior Society, Cheney, Washington, August 1984

- Behavioral ecology and population biology. XIXth International Ethology Conference, Toulouse, France, August 1985
- Behavior as a factor in population biology of rodents. American Society of Zoologists, Baltimore, Maryland, December 1986
- The integration of proximate and ultimate causation. Midwest Animal Behavior Meeting, Carbondale, Illinois, April 1994
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### **PUBLICATIONS: IN PREPARATION**

Robinson, A.S. and L.C. Drickamer. Dispersal by house mice living in outdoor enclosures. (American Midland Naturalist.)

#### MANUSCRIPTS/RESEARCH/ANALYSES IN PROGRESS:

- Drickamer, L.C., P.A. Gowaty, D.M. Wagner, C.M. Holmes, and S. Schmid-Holmes. Factors affecting female and male mate choice in house mice. (Ethology)
- Robinson, A.S. and L.C. Drickamer. Factors affecting reproductive success in male house mice living in outdoor enclosures. (Ethology)
- Drickamer, L.C. Reproduction, development, and survival in house mice living in field enclosures. (J. Mammal.)
- Drickamer, L.C. Factors influencing trap deaths of wild house mice living in outdoor enclosures

## **ENCYCLOPEDIA ENTRIES (N = 10)**

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## **GRANT/CONTRACT REPORTS:**

- U.S. Forest Service. 1991. Nest-site selection by Cooper's Hawks (*Accipiter cooperi*) in the Shawnee National Forest, southern Illinois. 41pp. Submitted to Shawnee National Forest Headquarters, Harrisburg, IL (co-authored with Rachel Ehrlich as senior author)
- Animal Behavior Society. 1991. Summary of Annual Reports for 1989, 1990 and 1991, and 20-year history of <u>Animal Behaviour</u>. 17pp. Submitted to Executive Committee, Animal Behavior Society
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- U.S. Forest Service. 1996. Effects of forest fragmentation on avifauna distribution and abundance in the eastern section of the Shawnee National Forest. 68pp. Submitted to Shawnee National Forest Headquarters, Harrisburg, IL. (co-authored with Christopher M. Holmes as senior author)
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- Arizona Department of Game and Fish. 2003. Habitat relationships of Gunnison's prairie dogs in Arizona. 142 pp. + CD-ROMs with GIS data. Project completed by David M. Wagner, who served as senior author on this contract report.
- Arizona Department of Military Affairs and Emergency Services. 2004. Survey of Gunnison's prairie dogs at Camp Navajo, Bellemont, Arizona. 16 pp + data diskettes.

## **PUBLICATIONS: BOOK REVIEWS**

- Review of B. B. Svare, <u>Hormones and Aggressive Behavior</u>, for <u>Quarterly Review of Biology</u>, 1984, 59:206.
- Review of R.E. Brown and D.W. Macdonald, <u>Social Odours in Mammals</u>, for <u>Behavioural</u> <u>Processes</u>, 1986, 13:305-307.
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- Review of F.B. Gill, Ornithology, for Animal Behaviour, 1991, 42:335-337.
- Review of E-E. Beaulieu and P.A. Kelly (eds.), <u>Hormones</u> From <u>Molecules to Disease</u>, for <u>Quarterly Review of Biology</u>, 1992, 67:242.
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- Review of J.B. Becker, S.M. Breedlove and D. Crews (Eds.), <u>Behavioral Endocrinology</u>, for <u>Quarterly Review of Biology</u>, 1993, 68:466.
- Review of V. Hayssen, A. von Tienhoven and A. van Tienhoven, <u>Asdell's Patterns of</u> Mammalian Reproduction, for Animal Behaviour, 1995, 49:266-267.
- Review of P.J.B. Slater and T.R. Halliday (eds.), <u>Behaviour and Evolution</u>, for <u>Ecology</u>, 1995, 76:2676-2677.
- Review of B.G. Galef Jr., M. Mainardi and P. Valsecchi (eds.), <u>Behavioral Aspects of</u> <u>Feeding</u>, for <u>Animal Behaviour</u>, 1997, 51:1188-1189.
- Review of M. Bekoff and J.A. Byers (eds.), <u>Play Behavior</u>, for <u>American Zoologist</u>, 1999, 39:463.
- Review of J. Gliwicz (ed.), Theriology at the Turn of the Century. Special Issues of Acta Theriologica for Journal of Mammalogy, 2003, 84:321-323.
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- Review of S.E. Nordell and T.J. Valone, 2014. Animal Behavior: Concepts, Methods, and Applications, for Quarterly Review of Biology, 89:265.

Review of P.W. Sherman and J. Alcock, 2014, Exploring Animal Behavior: Readings from American Scientist, for Quarterly Review of Biology, 89:265-266.

## **GRADUATE STUDENT RESEARCH PROJECTS:**

Elizabeth Rose: Urinary chemosignals in mice

Jeffrey Thompson: House mouse field biology

Daniel Albano: Microclimate ambient conditions and nest site selection by Carolina chickadees in southern Illinois

- Rachel Ehrlich: Nest site selection by Cooper's Hawks in Shawnee National Forest, southern Illinois.
- David Mikesic: Development of home range in free-living house mice: use of powder- tracking and radiotelemetry

Kimberly Shaffer: Foraging behavior of free-ranging house mice.

Lisa Mariner: Stereotypical behavior of 8 species of primates in a zoo environment

Lisa Bauer: Laboratory exercises in ecology

Lynn Gillie (Ph.D.): Foraging behavior of Peromyscus

Heather Rice: Grey squirrel habitat suitability index analyses

Ami S. Robinson: Dominance and reproduction in male house mice - use of DNA-based parental assignment

Kimberly S. Bishop: Primate facial and postural communication at the St. Louis Zoo Tracy Evans: Flight speed of birds: use of radar

Catherine Clover: Odors and house mouse social behavior in field enclosures

Ami S. Robinson (Ph.D.): Factors affecting reproductive success in female house mice

Christopher Holmes: Habitat fragmentation influences nonmigratory bird species

Sabine Schmid (Ph.D.): Forest fragmentation and small mammal populations

Ivan Garcia: Behavior and energetics of wintering ring-billed gulls in southern Illinois

Miko Kanekawa: Daily activity rhythms in brown-headed cowbirds

David Wagner (Ph.D.): Habitat relationships of Gunnison's prairie dogs on the Colorado Plateau

Jonathon Gallie: Spatial distribution of Botta's pocket gopher in relation to Gunnison's prairie dogs and habitat features

Shirley Bartz: Rodent diversity on Gunnison's prairie dog colonies

Bethany Tropp: Burrowing Owl behavior

Madelyn Palaschak: Plants of prairie dog towns

Robert Martz: Laboratory Manual for Introductory Ecology (MAST)

## **<u>REVIEW MANUSCRIPTS FOR</u>**: (N = 76 different journals; 1,291 reviews)

Acta Ethologica - 1 Acta Theriologica - 14 Acta Zoologica Sinica - 2 Aggressive Behavior - 2 American Anthropologist - 2 American Journal of Physical Anthropology - 2 American Journal of Primatology - 4 American Naturalist - 2 American Midland Naturalist - 37 American Zoologist - 4 Animal Behaviour – 836 (many as editor) Animal Learning & Behavior - 1 Auk - 2 Australian Journal of Zoology – 2 Behavioral Brain Research - 1 Behavioral Ecology - 3 Behavioral & Neural Biology - 2 Behavioral Ecology and Sociobiology - 10 Behavior Genetics - 1 Behaviour - 5 Behavioural Processes – 6 Biology Letters (Royal Society of London) - 1 Biology of Reproduction - 5 BioScience - 2 Bird Behavior -2BMC Evolutionary Biology - 1 Brain & Behavior – 1 Brain Research Bulletin – 1 Canadian Field Naturalist - 2 Canadian Journal of Zoology -10Chemical Senses - 2 Colorado Plateau Biennial Conference – 2 Comparative Biochemistry & Physiology - 1 **Conservation Genetics - 1** Developmental Psychobiology - 4 **Ecoacoustics - 2** Ecological Monographs - 1 Ecology - 4Ecology and Sociobiology - 1 Ethology-41 Folia Zoologica - 1 Great Basin Naturalist - 3 Hormones & Behavior – 5 Hormones and Metabolic Research - 1 ILAR Journal - 1 Illinois State Academy of Science, Transactions - 3 International Journal of Primatology – 4 Journal of Animal Science - 2 Journal of Arid Environments - 1 Journal of Chemical Ecology - 19 Journal of Comparative Psychology - 69 Journal of the Experimental Analysis of Behavior – 1

Journal of Experimental Zoology – 2 Journal of Mammalogy - 71 Journal of Neuroendocrinology - 1 Journal of Parasitology - 2 Journal of Reproduction & Fertility (now called Reproduction) - 28 Journal of Wildlife Management - 2 Nature -2Naturwissenschaften - 1 Neuroscience and Biobehavioral Reviews - 1 Oecologia - 3 Oikos - 1 Pennsylvania Academy of Sciences - 1 Pharmacology, Biochemistry & Behavior - 1 Physiological and Biochemical Zoology - 1 Physiological Zoology - 2 Physiology & Behavior - 19 PLOS One - 4 Prairie Naturalist - 1 Proceedings of the National Academy of Science, USA - 5 Royal Society of London, Proceedings - Biological Sciences - 4 Science - 5 South African Journal of Zoology - 1 Southeastern Naturalist - 1 Southwestern Naturalist - 4 Steroids - 1

# **REVIEW GRANT PROPOSALS FOR:**

NIH (reviews for several study sections) NIMH NSF - Psychobiology, Ecology, Population Biology, Anthropology, Regulatory Biology, Integrative and Neural Systems, Animal Behavior, Education National Geographic Society Finland National Academy of Sciences Harry Frank Guggenheim Foundation Smithsonian Institution Scholarly Studies Program American Philosophical Society Arizona Game & Fish Department Montana Department of Fish and Game Jeffress Memorial Trust Foundation (Virginia) Israel Academy of Sciences Queen's University Faculty Fellowship Program (Canada) United States Department of Agriculture

# **GOVERNMENT AGENCY GRANT REVIEW PANELS:**

 NIMH - ad hoc Study Section Panel Member - June 1977
 NIH - ad hoc Postdoctoral Review Panel Member - May 1987
 NSF - Doctoral Dissertation Improvement Awards Panel - June & December 1993
 NSF - Animal Behavior Program Panel Member - April and October 2000, October 2002, October 2003, Fall 2006, Spring 2010
 National Academy of Finland - Ecology Program Panel Member - March 2002
 NIH - Loan Repayment Program - Spring 2006

### **REVIEW TEXT BOOK/TRADE BOOK MATERIALS FOR:**

Pitman Publishing Co.	W.H. Freeman
Wadsworth Inc.	Little, Brown & Co.
W.B. Saunders Inc.	Prindle, Weber & Schmidt
Chapman & Hall	Duxbury Press
Mosby (Times-Mirror)	Benjamin Cummings Ltd.
Scott, Foresman & Co.	W.C. Brown Inc.
HarperCollins Inc.	West Publishing Co.
Oxford University Press	Johns Hopkins University Press
Prentice-Hall Publishers	University of Chicago Press
McGraw-Hill Book Co.	John Wiley & Sons
Cambridge University Press	Academic Press Inc.
Southern Illinois University Press	Allyn & Unwin

### **TENURE/PROMOTION REVIEWS:**

**Bucknell University** Colby College University of Idaho Institute of Animal Behavior - Rutgers University (2) Lehigh University University of Massachusetts - Amherst Miami University (OH) (2) University of Memphis (2) University of Michigan University of Minnesota - Twin Cities (2) University of Missouri - Columbia University of Missouri - St. Louis (3) University of Tulsa University of Washington (2) National Oceanic & Atmospheric Administration Northern Arizona University (multiple) Northern Illinois University Northern Kentucky University

Oregon State University Purdue University Queen's University (2) Rutgers University-New Brunswick San Francisco State University Sangamon State University Southern Illinois University at Carbondale (Zoology & Plant Biology) (multiple) Trinity University (Texas) University of Tulsa Williams College (multiple)

### **EXTERNAL PROGRAM REVIEWS:**

Bucknell University, Lewisburg, PA 1990 Ohio Wesleyan University, Delaware, OH 1992

### **MASTER"S DEGREE COMMITTEES:**

Williams College: Jeffrey R. Thompson 1973-1975 (Advisor - MA) Williams College: Elizabeth Rose 1975-1977 (Advisor - MA) SIU-Carbondale: Richard Szlemp 1987-1988 (Committee Member - MA) SIU-Carbondale: Rubin de la Sierra 1987 - (Co-Advisor - MA) SIU-Carbondale: Anthony Gerard 1988 - 1989 (Committee Member - MS) SIU-Carbondale: Richard LeDuc 1988 - 1989 (Advisor - DNF) SIU-Carbondale: David Mikesic 1988 - 1990 (Advisor - MS) SIU-Carbondale: W. Douglas Robinson 1988 - 1990 (Committee Member - MS) SIU-Carbondale: Daniel Albano 1988 - 1990 (Advisor - MS) SIU-Carbondale: Rachel Ehrlich 1989 - 1990 (Advisor - MS) SIU-Carbondale: Janet Sternburg 1989 - 1992 (Committee Member - MS) SIU-Carbondale: Kimberly Shaffer 1989 - 1991 (Advisor - MS) SIU-Carbondale: Andreas Asch 1989 - 1992 (Committee Member - MS) SIU-Carbondale: Heather Rice 1990 - 1994 (Co-Adviser - MS) SIU-Carbondale: Lisa Marriner 1990 - 1992 (Advisor - MS) SIU-Carbondale: Lisa Bauer 1989 - 1991 (Advisor - Biological Sciences - MA) SIU-Carbondale: Crystal Thompson 1990 - (Advisor - Physiology - DNF) SIU-Carbondale: Kimberly Bishop 1991- 1994 (Advisor - MS) SIU-Carbondale: Tracy Evans 1991 - 1993 (Advisor - MS) SIU-Carbondale: Ami Sessions Robinson 1991 - 1993 (Advisor - MS) SIU-Carbondale: Nadine Jackson 1991 - (Committee Member - MS) SIU-Carbondale: Joyce Collins 1991 - 1996 (Committee Member - MS) SIU-Carbondale: Brenda Spurlock 1992 - 1998 (Advisor - MS) SIU-Carbondale: Catherine Clover 1992 - 1994 (Advisor - MS) SIU-Carbondale: David Blumenstock 1992 - (Committee Member - DNF) SIU-Carbondale: Gertrude Mugaisi 1992 - 1994 (Anthropology - Committee Member - MS) SIU-Carbondale: Christopher Holmes 1994 - 1996 (Advisor- MS) SIU Carbondale: Ivan Garcia 1996 - 1999 (Advisor - MS)

SIU-Carbondale: Slade Moore 1996 – 1999 (Committee Member) SIU-Carbondale: Sarah George 1996 - (Advisor - DNF) SIU-Carbondale: Miko Kanekawa 1997 - 1999 (Advisor - MS) Northern Arizona University: Bianca Perla 1998 - 2000 (Committee Member - MS) Northern Arizona University: Jonathon Gallie 1999 – 2001 (Adviser - MS) Northern Arizona University: Jennifer Verdolin 1999 – 2001 (Committee Member - MS) Northern Arizona University: Shirley Bartz 2001 – 2004 (Advisor - MS) Northern Arizona University: Stephanie Richmond 1998-2001 (Committee Member – MS) Northern Arizona University: Rachel Steagall 2001-2003 (Committee Member – MAT) Northern Arizona University: Tom Shrake 2002 - 2004 (Committee Member – MAT) Northern Arizona University: Susan Hebert 2002 – (Committee Member – MAT) Northern Arizona University: Linda Fitchett-Hewitt 1998-2005 (Advisor) - DNF Northern Arizona University: Lois Kinney Neff 2003 - (Advisor) - MAT - DNF Northern Arizona University: Bethany Tropp 2005 - 2007 (Advisor - MS) Northern Arizona University: Madelyn Palaschak 2005 - 2007 (Advisor) Northern Arizona University: Robert Martz 2005 - 2007 (Advisor) - MAST N = 24 MS/MA students as Advisor

### **DOCTORAL DEGREE COMMITTEES:**

- SUNY Stony Brook: Brian G. Ormiston 1978 1983 (Committee Member PhD)
- SIU-Carbondale: Charles Paine 1987 1992 (Committee Member PhD)
- SIU-Carbondale: Shonah Hunter 1987 1989 (Committee Member PhD)
- SIU-Carbondale: Jeffrey Levengood 1988 1992 (Committee Member PhD)
- SIU-Carbondale: Brian Wilm 1988 (Committee Member DNF)
- Rutgers-Newark: Vickie Schwartz 1990 1996 (Committee Member PhD)
- SIU-Carbondale: Lynn Gillie 1990 1995 (Advisor Ph.D.)
- SIU-Carbondale: Kelly Cichy 1992 1997 (Anthropology Committee Member PhD)
- SIU-Carbondale: Ami Sessions Robinson 1993 2000 (Advisor PhD)
- SIU-Carbondale: Sabine Schmid 1994 1998 (Advisor PhD)
- SIU-Carbondale: Christopher Holmes 1996 1998 M.S. (Advisor) Interdisciplinary (to UC Davis Anthropology)

University of Missouri-St. Louis: Carolina Valdespino 1996 - 1999 (Committee Member - PhD)

Northern Arizona University: Daesik Park 1999 – 2002 (Committee Member - PhD)

Northern Arizona University: Kathy Frederiksen 1999 - (Committee Member)

Northern Arizona University: David Wagner 1998 – 2002 (Advisor - PHD)

N = 4 Ph.D. students as Advisor

# POSTDOCTORAL STUDENT & FULBRIGHT SCHOLAR

1997 Vilmos Altbacker, Budapest, Hungary

2004-2005 Csongor Gedeon, Fulbright Scholar, Budapest, Hungary

#### HONORS THESES AT WILLIAMS COLLEGE

- 1973 Jeffrey B. Boltz. Rearing and testing environment color and the behavior of young domestic chicks.
- 1974 Stephen R. Reuman. Dietary factors affecting sexual maturation in Mus musculus.
- 1975 Robert B. Beck. Partial characterization of the sexual-maturation delaying pheromone in female house mice (*Mus musculus*).
- 1975. Tracy K. McIntosh. Excreted urine, bladder urine, and the delay of sexual maturation in female house mice (*Mus musculus*).
- 1975 Elizabeth O. Titus. Hopkins forest response to defoliation by the saddled prominent caterpillar (*Heterocampa guttivtta*).
- 1975 Lorne E. Weeks, III. Multiple males and the acceleration of sexual maturation in female house mice (*Mus musculus*).
- 1975 Michael R. Capone. The effect of weather and trap odor of the capture of small rodents in a New England forest.
- 1975 Scott H. Emery. A bioenergetics investigation of the confused flour beetle, *Tribolium confusum* DuVal.
- 1976 Janice L. Goldman. Winter browse preferences and nutrition of whitetail deer (*Odocoileus virginianus*).
- 1976 David S. Woodruff. Early experience and its effects on later behavior in bobwhite quail.
- 1976. Robert X. Murphy. Effects of prepubertal males and females on sexual maturation of female house mice (*Mus musculus*).
- 1976. John B. Quinn. Foraging behavior and competition in *Peromyscus leucopus* noveboracensis and *Peromyscus maniculatus gracilis*.
- 1977 Mary E. Wroth. Seasonal behavioral adaptations and habitat utilization of blackcapped chickadees (*Parus atricapillus*).
- 1977 Robert W. Oldshue. Preferences for light versus dark surfaces in *Peromyscus leucopus* noveboracensis and *Peromyscus maniculatus gracilis*.
- 1977 Thomas W. White. Factors influencing dominance aggression in swordtail fish (*Xiphophorus helleri*).
- 1978 Bruce G. Stevenson. Seasonal variation in hardwood forest soil ecology and edaphic arthropod distribution.
- 1978 James C. Stuart. Navigation within the home range of two species of Peromyscus.
- 1978 Jay S. Loeffler. The effect of adrenalectomy on the sexual maturation-delaying pheromone in female house mice, (*Mus musculus*).
- 1978 John P. Connolly. Effects of sexual experience and hormone replacement in castrated male house mice on male acceleration of female sexual maturation.
- 1979 Susan E. Shea. Social organization and behavior in the eastern gray squirrel (*Sciurus carolinensis*).
- 1979 Claudia M. Di Folco. The effects of social factors on estrous cyclicity in the house mouse (*Mus musculus*).
- 1979 Bruce Morgan. The role of the adrenal gland in the production and release of the maturation-delaying pheromone in the female house mouse (*Mus musculus*).
- 1980 Sarah M. Assmann. The role of olfaction in release and reception of the maturation-

delaying pheromone in female house mice (Mus musculus).

- 1980 Barbara B. Bonner. Sensory perception in the land snail, Helix mesodon rosemani.
- 1980 Francis R. Groeters. The role of olfaction in the courtship and mating system of the guppy (*Poecilia reticulata*).
- 1980 Brian C. Shiro. An investigation of the effects of adrenalectomy and hormone replacement therapy on production and/or release of the sexual-maturation delaying pheromone in female house mice (*Mus musculus*).
- 1984 William J. Cotreau. Effects of cross-fostering and manipulating litter size on the maternal behavior of house mice (*Mus musculus*).
- 1985 Kristine A. Karlson. Partial isolation of a maturation-delaying chemosignal from the urine of grouped female house mice.

1987 Tracee L. Scalise. Chemosignal effects on male puberty in house mice. N = 29 Honors Students as Advisor

9 obtained PhD; 7 obtained MD; 2 obtained JD

### **SEMINARS AND SHORT COURSE PRESENTATIONS: (N = 108)**

1969-1970	University of California, Berkeley, CA
	Purdue University, West Lafayette, IN
	Yerkes Regional Primate Center, Atlanta, GA
	North Carolina State University, Raleigh, NC
1970-1971	College of William & Mary, Williamsburg, VA
	Dorothea Dix Hospital, Raleigh, NC
1971-1972	University of Puerto Rico, Mayaguez, PR
1972-1973	Williams College, Williamstown, MA
1973-1974	Syracuse University, Syracuse, NY
	Middlebury College, Middlebury, VT
	Williams College, Williamstown, MA
1974-1975	North Adams State College, North Adams, MA
	Oberlin College, Oberlin, OH
	University of Pennsylvania, Philadelphia, PA (2 talks)
1975-1976	University of Vermont, Burlington, VT
	Michigan State University, East Lansing, MI
1976-1977	American Museum of Natural History, New York, NY
	SUNY- Stony Brook, Stony Brook, NY
	Wesleyan University, Middletown, CT
	Rutgers University, New Brunswick, NJ
1977-1978	Monell Chemical Senses Center, Philadelphia, PA
	Williams College, Williamstown, MA
	Institute for Northern Studies, Wolcott, VT (winter term short course)
1978-1979	University of Massachusetts, Amherst, MA
	Williams College, Williamstown, MA (Sigma Xi Lectures - 2 talks)
1979-1980	Suffolk University, Boston, MA
	Wesleyan University, Middletown, CT

	SUNY-Albany, Albany, NY
1980-1981	Boston University, Boston, MA
	North Carolina State University, Raleigh, NC
1981-1982	Oberlin College, Oberlin, OH
	Michigan State University, East Lansing, MI (2 talks)
	Bowling Green State University, Bowling Green, OH (2 talks)
	University of Illinois, Urbana, IL (2 talks)
	University of Chicago, Chicago, IL
1982-1983	College of William & Mary, Williamsburg, VA (2 talks)
	Williams College, Williamstown, MA
1983-1984	SUNY-Stony Brook, Stony Brook, NY
	University of Connecticut, Storrs, CT
	Colby College, Waterville, ME
1984-1985	Institute of Animal Behavior, Newark, NJ
	National Zoological Park, Washington, DC
	Williams College, Williamstown, MA
	Clemson University, Clemson, SC
	North Carolina State University, Raleigh, NC
	University of Florida, Gainesville, FL
	College of William & Mary, Williamsburg, VA (2 talks)
1985-1986	University of Tennessee, Knoxville, TN
	Middlebury College, Middlebury, VT
	University of Wisconsin, Madison, WI
	Downstate Medical Center (SUNY), Brooklyn, NY
1986-1987	Williams College, Williamstown, MA
	Michigan State University, East Lansing, MI
	Southern Illinois University (Zoology), Carbondale, IL
	Public Health Research Institute of the City of New York, New York, NY
1987-1988	University of Illinois, Urbana, IL (2 talks)
	University of Oklahoma, Norman, OK (2 talks)
	Southern Illinois University (Physiology), Carbondale, IL
	University of Missouri - St. Louis, St. Louis, MO
	Murray State University - Murray, KY
	Southern Illinois University (Lab. of Reprod. Biol.), Carbondale, IL
	Northern Kentucky University - Highland Heights, KY
1988-1989	Southern Illinois University (Microbiology), Carbondale, IL
	Hendrix College, Conway, AR
	Southeast Missouri State University, Cape Girardeau, MO
1989-1990	St. Louis University, St. Louis, MO (2 talks)
	Christian Brothers College, Memphis, TN
1990-1991	Rutgers University - Newark, NJ
	University of Arkansas (2 talks)
	SIU at Carbondale (Zoology)
1991-1992	Eastern Illinois University
	Indiana State University

	SIU at Carbondale (Zoology)
	Institute of Zoology - Vienna, Austria
	Eötvös University and Hungarian Academy of Science - Budapest
	Jagiellonian University – Cracow, Poland
1992-1993	Colorado State University
	University of Tennessee - Knoxville
	University of Wisconsin – Madison
1993-1994	University of Washington - Seattle
	University of Hawaii, Manoa
1994-1995	University of Illinois - Urbana-Champaign
1996-1997	Southern Illinois University (Sigma Xi)
1997-1998	Texas Tech University - Lubbock
	Northern Arizona University – Flagstaff
1998-1999	Northern Arizona University (FIBS)
	Northern Arizona University (Physiology Phriday)
	Northern Arizona University (Sigma Xi)
	University of California, Davis
1999-2000	Northern Arizona University (Physiology Phriday)
	Northern Arizona University (Dept. Seminar)
2001-2002	University of Nevada, Las Vegas
2002-2003	North Carolina State University
2005-2006	University of Arizona
2006-2007	National Science Foundation
2007-2008	Boise State University
2009-2010	Northern Arizona University
2014-2015	Oberlin College
2015-2016	Kendal at Oberlin
2017-2018	Oberlin College
	Kendal at Oberlin
Oberlin City (	Club Presentations
2013 -	

# 2013 -

### COMMITTEES AT NORTHERN ARIZONA UNIVERSITY

Chairs Council, 1998 - 2006 Biology/Biochemistry, Building Committee 1998-2000 Howard Hughes Medical Institute Grant, Advisory Committee 1998-2002 Distributed Learning Operations, Council 1999 - 2000 Nursing Department Chair Search Committee, 1998-1999 Walkup Chair SMLC Director Search Committee, 1999-2000 University Veterinarian Search Committee, 1999-2000 Director, Center for Sustainable Environments Search Committee, 1999-2000 Merriam-Powell Center for Environmental Research, Steering Committee, 1998 - 2000 Institutional Animal Care and Use Committee, 2000 – 2004 (Chair, 2000 - 2003) Task Force on Educational Statistics Reporting 2001-2002 Summer School Review Committee 2000-2002

Dean of College of Arts & Sciences Search Committee, 2001-2002, 2002-2003 UMEB Program Steering Committee, 2000 - 2006 (Chair, 2000 - 2002) Beckman Scholars Program Steering Committee, 2001 – (Chair, 2001 – 2004) Summer Session/Winter Intercession ad hoc Steering Committee 2002 - 2003 Early Freshman Registration Advisory Panel 2002 – 2004 Council of Chairs Executive Committee 2002 – 2005 Proposition 301 Steering Committee 2000 – present SABRE Executive Committee 2001 - present Science Educator Search Committee 2002 - 2003 Governor's Task Force on Biotechnology 2002 A & S Committee on Recruitment and Retention 2002 - 2004 A & S Committee on Technology and Start-up 2002-2004 A & S Director Search Committee, Office of the Dean, Search Committee 2003 A & S Chairs 1998 - 2004 **ARCS Fellowship Review Committee 2003** Annual Fund Campaign for Faculty, Staff and Retirees, 2004-2005 Conservation Ecology Certificate Steering Committee 2001 - present Master of Arts in Science Teaching Committee 2003 - present CENS Leadership/Chairs - 2004 - 2006 Biology/Chemistry New Laboratory Facility, 2003 - 2007 Multicontextuality Implementation Team, 2004 – 2006 President's Cabinet 2007 - 2008 Strategic Planning Committee 2007 – 2008 Committee of Vice Presidents 2007 – 2008 Institutional Review Board 2007 - 2008 Science Foundation Arizona, Graduate Fellows Selection Committee 2007 - 2009

### **COMMITTEES AT SOUTHERN ILLINOIS UNIVERSITY (1987-1998):**

Hilda Stein Award Committee, Zoology 1987-1998 (Chair 1988-1998) Molecular Evolutionary Biologist Search Committee, Zoology (Chair) 1989-1990 Charles Kudo Award Committee (Chair), Zoology 1987-1991 Department Chairs Committee, College of Science 1987-1991 Written Preliminary Examination Committee, Zoology 1988-1989 Coordinator, Special Lecture Series in Zoology, Zoology 1988-1991 Institutional Animal Care and Use Committee, University 1988-1998 Chair 1991 - 1998 Vivarium Director Search Committee (Chair), University 1988 SIU-Japan Faculty in Biology Search Committee (Chair), University 1989, 1990 Gene-Molecular Biology Initiative Advisory Committee, University 1989-1993 Building Committee - CASLS (Life Science III), University 1989-1991 Department of Chemistry & Biochemistry - Position Searches, 1989 - 1991 University Doctoral and Morris Fellowships Selection Committee, 1991-1994 Foote & Foote Award Committee, Department 1991 Blackwelder Award Committee, Department 1991 Biological Sciences, Executive Committee, College 1987-1991 Instructional Space Utilization Committee, College 1991

Graduate Council, University (Elected) 1992-1993 New Programs Committee of the Graduate Council 1992-1993 Undergraduate Committee, Department (Elected) 1992-1993 Molecular Biologist Search Committee, Department 1992-1993 Seminar Committee, Molecular Biology, University 1992-1993 College of Science Outstanding Teacher Award Committee, 1995-1996 Internal Review Team - Animal Science (Co-chair), University 1996-1997 College of Liberal Arts Dean Search Committee, University 1997-1998

### COMMITTEES AT WILLIAMS COLLEGE (1972-1987):

Committee on Educational Policy (4 years; secretary) Steering Committee (2 years) Compensation Committee (2 years) Provost's Advisory Committee (1 year) Computer Services Committee (3 years) Danforth Fellowship Selection Committee (7 years) Committee on Academic Standing (2 years) Energy Conservation Committee (7 years; chair) Committee on the Freshman Year (1 year; secretary) Division III & Psychology Research Funds Committee (5 years; chair) Science Executive Committee (4 years, chair) IBM Lecture Fund Committee (12 years) Center for Environmental Studies Advisory Committee (5 years) Hopkins Memorial Forest Users Committee (4 years) Animal Facilities and Welfare Committee (5 years; chair) Calendar and Schedule Committee (1 year) Institutional Animal Care and Use Committee (2 years; chair) Committee on Energy and the Campus Environment (2 years; chair) Ad Hoc Group on Admission and Financial Aid (1 year) Sloan Advisory Committee (Science, Society & Technology Studies) (1 year) Mead Fund Committee (3 years)

### **OTHER WILLIAMS COLLEGE ACTIVITIES:**

Pre-Veterinary Advisor (12 years) Departmental Librarian (10 years) Freshman Faculty Advisor (10 years) Sigma Xi Club (15 years; Secretary-Treasurer, 1 year; President, 6 years) Senior Faculty House Associate - Mills House (1 year)

### **COMMUNITY ACTVITIES - MASSACHUSETTS**

Berkshire County Historical Society President, 1984 - 1986 Member, Board of Directors, 1982 - 1987 Library Chairman, 1982 - 1987 Long Range Planning Committee, Chair, 1983 - 1986 Finance Committee, 1984 - 1987 Executive Director Search Committee, Chair, 1983 Executive Director Search Committee, 1987

Taconic Golf Club Member, Board of Directors, 1979 - 1985 Tournament Committee, 1979 - 1985 Golf Committee, 1980 - 1982, Chair Capital Fund Drive Committee, 1984

Mohawk Stamp Club President, 1980 - 1981, 1986 - 1987 Corresponding Secretary, 1978 – 1980

Guest columns in the Berkshire Eagle (Pittsfield) Guest column in the Albany Times-Union (Albany, NY)

# **COMMUNITY ACTIVITIES - ILLINOIS**

Southern Illinois Stamp Club 1987 -1993 Jackson County Historical Society 1987 - 1994 United Way Campaign 1987 - 1991 Illinois Central Historical Society 1990-1993 Cypress Creek National Wildlife Refuge, Citizens Advisory Board, 1992-1994 Conservation Committee, Southern Illinois Audubon Society, 1991-1994

# **COMMUNITY ACTIVITIES - ARIZONA**

United Way Campaign 1998-2007 Museum of Northern Arizona Grand Canyon Trust Guest Columns in the Arizona Daily Sun NAU Annual Campaign for Faculty, Staff, Administrators, and Retirees Flagstaff Leadership Council Presentations 2005, 2006 Greater Flagstaff Economic Council 2007 – 2008

# **COMMUNITY ACTIVITES – SOUTH CAROLINA**

Prestwick Property Owners Association – Board of Directors Prestwick Property Owners Association – Architectural Review Board

# **COMMUNITY ACTIVITIES – OBERLIN**

Friends of the Oberlin College Library Oberlin Unitarian Universalist Fellowship -Social Justice Team 2013 – present Treasurer 2015-2016 Board of Directors 2015-2016 Starts Within Organization - CEO Carlos M. Christian Course Instructor October to December 2016, London (Ohio) Correctional Institution – Employment Readiness Course Instructor February to April 2018, Franklin Medical Corrections Institution (Columbus) - Employment Readiness Consultant to Carlos Christian, CEO of Starts Within Organization PI on Grant from Unitarian Universalist Foundation for Prisoner Recidivism Courses coordinated through the Starts Within Organization 2016-2018 \$10,000 Oberlin City Club - Board Member-at-Large 2015-2017 - Vice-President 2017

### **TRAVEL:**

Puerto Rico, U.S. Virgin Islands Antarctica, Falkland Is., South Georgia Canada, Mexico Cayman Islands, Trinidad & Tobago Bahamas, Turks & Caicos Islands, Aruba Australia, New Zealand Great Britain (England, Wales, and Scotland) France, Italy, Spain, Netherlands Greece, Germany, Switzerland, Liechtenstein Kenya, Tanzania Japan, Singapore, Hong Kong China, India, Nepal, Bhutan, Tibet Chile, Peru, Ecuador, Galapagos Is. Uruguay, Argentina, Colombia Austria, Hungary, Poland, Romania Serbia, Croatia Czech Republic, Slovak Republic Norway, Denmark, Sweden, Finland Russia, Lithuania, Latvia, Estonia Thailand, Laos, Cambodia, Vietnam Egypt, Israel, Turkey

Stops: Barbados, Sudan, Taiwan, Belgium, Grenada, Bulgaria

Totals – 7 Continents, 62 Countries and Territories

50 U.S. States and all State Capital Cities/Capitols; 60 of 63 U.S. National Parks

# **HISTORY ACTIVITIES**

#### **PUIBLICATIONS**

- (Book) Lincoln, L.L. and L.C. Drickamer. 1982. <u>Postal History of Berkshire County</u> <u>Massachusetts</u>, <u>1790 - 1981</u>. Williamstown, MA: Drickamer Publications, 192pp.
  - Drickamer, L.C. 1983. <u>Berkshire County History Calendar</u> <u>1984</u>, (featuring the photographs of Edwin Hale Lincoln). Williamstown, MA: Drickamer Publications.
  - Drickamer, L.C. 1984. Charles Moulton and the Civil War. <u>Berkshire Courier</u>, Great Barrington, MA. Special 150th Anniversary Edition, October 1984.
  - Drickamer, L.C. and K.D. Drickamer. 1984. The Berkshire Medical Institution. Berkshire History 5:6-9.
  - Drickamer, L.C. Review of <u>Hancock Shaker Village</u>: <u>City of Peace</u>, by Amy Bess Miller. <u>Berkshire Eagle</u>, Pittsfield, MA, February 16, 1985. (reprinted in <u>The Shaker Messenger</u>, Winter 1986)
  - Drickamer, L.C. 1985. Saving Mt. McGregor, the house where Ulysses S. Grant died. Letter to the Editor, <u>Berkshire Eagle</u>, published July 23, 1985.
- (Book) Drickamer, L.C. and K.D. Drickamer. 1987. Fort Lyon to Harpers Ferry, On the Border of North and South with Rambling Jour: The Civil War Letters and Newspaper Dispatches of Charles H. Moulton, 34th M.V.I. Shippensburg, PA: White Mane Publ. Co., 264 pp.
  - Drickamer, L.C. 1992. The Berkshire District Medical Society and the Berkshire Medical Institution at Pittsfield. J. Mass. Med. Soc.
- (Book) Marty, K., L.C. Drickamer, D. Marty and R. Marty. 2006. Drummer Boy: Edwin Hale Lincoln and the Fifth Massachusetts Volunteer Infantry. Raleigh: Ivy House. (Nominated for the Lincoln Prize at Gettysburg College)
- (Book) Drickamer, L.C. and P.R. Runge. 2011 <u>Northern Arizona University: Buildings as</u> <u>History</u>. Tucson, AZ: University of Arizona Press.
- (Book) Drickamer, L.C. 2013. <u>A History of the Department of Biological Sciences at Northern</u> <u>Arizona University</u>. Published online through Cline Library at Northern Arizona University
- (Book) Drickamer, L.C. 2016. A History of the Department of Biological Sciences at Northern Arizona University. Published in book form by L.C. Drickamer and AlphaGraphics.
- (Book) Drickamer, L.C. 2017. A History of the Department of Biology at Oberlin College. Published by L.C. Drickamer and AlphaGraphics.

- (Book) Williams, V.M. and A.T. Ebihara. 2017. AIKO The Story of a Young Japanese American Woman. (Served as Editor and Publisher; printed at AlphaGraphics.)
- (Book) Drickamer, L.C. <u>A History of Physical Education and Athletics at Oberlin</u> <u>College: National Leaders and Programs</u> (with Fredrick D. Shults) Ohio State University Press in process
- (Book) Drickamer, K.D. and L.C. 2017. "<u>Captain Cook</u>" <u>Pvt</u>. <u>Edwin A</u>. <u>Loosley of</u> <u>the Eighty-first Illinois Volunteer Infantry Regiment</u>. Southern Illinois University. in preparation

#### **HISTORY PRESENTATIONS**

"The Berkshire District Medical Society and the Berkshire Medical Institution at Pittsfield." Banquet address presented at the Bicentennial Dinner of the Berkshire District Medical Society at Stockbridge, MA, January 1987

"Charles Moulton at Harpers Ferry." Public presentation at Harpers Ferry National Historical Park, Harpers Ferry, WV, March 1988.

"History of Biology at Oberlin College: People, Places, and Courses. Oberlin College, September 2017.

#### **HISTORY ORGANIZATIONS:**

Oberlin Heritage Center Western Reserve Historical Society Williamstown House of Local History Berkshire County Historical Society American Association for State and Local History Historic Deerfield Inc. Hancock Shaker Village Inc. Trustees of Reservations Association of American Indian Affairs National Trust for Historic Preservation Capital District Civil War Roundtable Jackson County Historical Society Friends of Herman Melville's Arrowhead Oregon-California Trails Association Museum of the Fur Trade

### **HISTORY AWARDS:**

Recipient of the John F. Ayer Award from the Bay State Historical League for "Outstanding service to local and regional history" - 1984

Co-Recipient of the Lester Downing Award from the Boston Philatelic Club for "Outstanding contributions to New England Philately with particular regard to written work and postal history" (with Leo L. Lincoln) - 1987