

**CURRICULUM VITAE**  
**JAMES KENNETH LIEBHERR**

July 2017

APPOINTMENT: Curator and Professor of Entomology.

TRAINING: Ph.D. - University of California, Berkeley, 1983; major professor John T. Doyen.  
M.S. - Cornell University, 1974; co-advisors John G. Franclemont, Wendell L. Roelofs.  
B.A. - University of Wisconsin, 1972; advisor John J. Magnuson.

**RESEARCH (30%):**

(1) **Systematic revision of *Cyphocoleus* beetles of New Caledonia.** Based on substantial high-quality taxonomic material collected by Dr. Geoff Monteith, Queensland Museum, I have revised the 22 species of *Cyphocoleus*—12 newly described—placing them phylogenetically within the carabid tribe Odacanthini. *Cyphocoleus* belong to a newly proposed subtribe that exhibits an amphiantarctic biogeographic pattern, supporting the presence of *Cyphocoleus* in New Caledonia since Late Cretaceous.

(2) **Phylogenetics of the tribe Moriomorphini.** This analysis addresses phylogenetic relationships among genera of the carabid tribe Moriomorphini, an Austral taxon distributed from Australia across the Pacific to Chile. This project has involved a sabbatic leave in New Zealand which allowed me to revise the New Zealand *Mecyclothorax* species and describe the new genera *Meonochilus* and *Rossjoycea*. My current project entails revision of the New Caledonian moriomorphine beetles that are related both to New Zealand *Meonochilus*, and also to Queensland, Australian *Mecyclothorax*.

(3) **Revisionary systematics of native Hawaiian and Tahitian Carabidae.** The native Hawaiian carabid beetle fauna comprises about 420 species. I have revised species in three independent radiations; the endemic genus *Blackburnia* (133 extant plus 7 extinct species), the Austral-Pacific genus *Mecyclothorax* (239 Hawaiian species), and worldwide genus *Bembidion* (23 native Hawaiian species). In complementary studies I revised the 116 *Mecyclothorax* species endemic to Haleakala, East Maui, a volcano of area ~1450 km<sup>2</sup>, and the 101 endemic *Mecyclothorax* species from Tahiti; area 1045 km<sup>2</sup>. These island radiations comprise two of most diverse, most geographically restricted radiations on earth, with species distributions defining extremely restricted areas of endemism that are the focus of ongoing conservation efforts. Patterns of character evolution among most-closely related species shed light on morphological changes associated with speciation, and biogeographic patterns of closely related cryptic species point to how allopatric speciation proceeds across these two hyperdiverse radiations. Both radiations stem from Pleistocene colonization of the islands by the ancestors of a widespread Australian tramp species, *M. punctipennis*.

**TEACHING (15%):** Maggots, Grubs and Cutworms: Larval Insect Biology (3 cr. w/ lab, ENTOM 3330, spring of 2018, 2020).

**CURATION (5%):** I am responsible for overall administration of the Cornell University Insect Collection, its development, and enhancement. The CUIC is the largest insect collection housed by a land-grant institution, comprising nearly 7,000,000 specimens that include insects from all biogeographic regions. We are currently operating under a Collections in Support of Biological Research grant from the National Science Foundation.

**PROFESSIONAL EXPERIENCE:**

August 2016-August 2021 Curator & Professor (50% time), Cornell University Insect Collection & Department of Entomology, Cornell University.

1997-August 2016 Curator & Professor, Cornell University Insect Collection & Department of Entomology, Cornell University.

1989-1996 Curator & Associate Professor (tenured), Cornell University Insect Collection & Department of Entomology, Cornell University.

1983-1989 Curator & Assistant Professor, Cornell University Insect Collection & Department of Entomology, Cornell University.

1982-1983 Teaching Associate, University of California, Berkeley.

1981-1982 Research Assistant, Essig Museum of Entomology, University of California, Berkeley.

1979-1981 Research Assistant, Department of Entomology, University of California, Berkeley.

1977-1978 Extension Specialist, Insect Diagnostic Laboratory, Department of Entomology, Michigan State University.

1974-1977 Technician, Insect Diagnostic Laboratory, Department of Entomology, Michigan State University.

1972-1974 Ford Foundation Pest Management Traineeship, Department of Entomology, Cornell University.

1972-1974 Research Assistant, Department of Entomology, New York State Agricultural Experiment Station, Geneva.

**PROFESSIONAL ACTIVITIES:**

**A. Field Membership:** Entomology

**Former students:**

James S. Miller, Lepidoptera Systematics, Ph.D., minor member 1984-1986 (Research Associate, Field Museum of Natural History).

Stephanie Fried, Agronomy, M.S., minor member 1985-1988 (Senior Scientist, Environmental Defense).

Herbert Främbs, Carabid Ecology (visiting Diploma candidate from University of Bremen, 1988).

John D. Oswald, Neuroptera Systematics, Ph.D., major professor 1985-1990 (Professor, Texas A&M University).

Krista E. M. Galley, Coleoptera Systematics, M.S., major professor 1986-1991 (Scientist, The Nature Conservancy, Tallahassee, FL).

Felix A. H. Sperling, Entomology, Ph.D., minor member 1987-1991 (Professor, University of Alberta).

Catherine A. Duckett, Entomology, Ph.D., minor member 1987-1992 (Research Associate, Rutgers University).

Andrew V. Z. Brower, Molecular Systematics, Ecology & Evolutionary Biology, Ph.D., minor member 1988-1993 (Professor, Middle Tennessee State University).

Benjamin B. Normark, Molecular Evolution, Ecology & Evolutionary Biology, Ph.D., minor member 1989-1994 (Professor, University of Massachusetts).

Michael F. Whiting#, Molecular Systematics, Ph.D., major professor 1990-1994 (Professor, Brigham Young University).

Nancy L. Jacobson, Lepidoptera Systematics, Ph.D., minor member 1988-1994 (Lecturer, Ithaca College).

Pablo A. Goloboff#, Spider Systematics, Ph.D., major professor (N.I. Platnick thesis advisor) 1989-1994 (Fundacion Miguel Lillo, Tucumán, Argentina).

Theodore R. Schultz, Ant Systematics, Ph.D., minor member 1994-1995 (Curator, Smithsonian Institution).

Kefyn M. Catley#, Spider Systematics, Entomology, Ph.D., minor member, 1992-1996 (Professor, Western Carolina University, Asheville).

José L. Santisteban, Coleoptera Systematics, Ph.D., major professor, 1989-1996 (Independent environmental consultant, Lima, Peru).

Jessamy J. Rango, Aquatic Ecology, Entomology, M.S., minor member, 1994-1997 (Professor, Anne Arundel Community College, Arnold, MD).

Michael S. Engel, Hymenoptera Systematics, Ph.D., replaced George Eickwort as major professor, 1993-1998 (Professor, University of Kansas).

Jonathan R. Mawdsley, Coleoptera Systematics, Ph.D., major professor, 1994-1999 (National Fish and Wildlife Foundation, Washington, DC).

Kipling W. Will#, Coleoptera Systematics, Ph.D., major professor, 1994-2000 (Associate Professor, University of California, Berkeley).

Christopher J. Marshall, Coleoptera Systematics, Ph.D., major professor, 1992-2000 (Arthropod Collection Manager, Oregon State University).

Michael J. McDonald, Hymenoptera Systematics, Ph.D., replaced George Eickwort as major professor, 1993-2000 (lecturer, SUNY Oswego).

Djunijanti Peggie#, Lepidoptera Systematics and Conservation Ph.D., major professor (D.A. Grimaldi thesis advisor), 1994-2001.

John S. Ascher, Hymenoptera Systematics, Ph.D., minor member 1997-2003 (Assistant Professor, National University of Singapore).

Andrea Davalos, Carabid beetle ecology, M.S., minor member 2001-2003.

Sarah A. Solomon, Coleoptera Systematics, M.S., major professor 2001-2004.

Lori Lach, Invasion Ecology, Ph.D., minor member 1998-2004 (Senior Lecturer, James Cook University, Australia).

Karl N. Magnacca, Hymenoptera Systematics, Ph.D., minor member, 1998-2004 (Research Scientist, U.S. Army Environmental Division, Schofield Barracks, Oahu).

Curtis P. Ewing, Coleoptera Systematics, Ph.D., major professor 1999-2006 (Senior Research Associate, University of Hawaii, Hilo).  
Eduardo A. M. Almeida, Hymenoptera Systematics, Ph.D., minor member 2002-2006 (Associate Professor, Universidade de Sao Paulo, Brazil)  
Andrew E. Z. Short, Coleoptera Systematics, Ph.D., major professor 2002-2007 (Associate Professor, University of Kansas).  
Sara Lubkin, Paleozoic Beetle Phylogenetics, Ph.D. Geological Sciences, minor member 2002-2007.  
Torsten Dikow#, Diptera Systematics, Ph.D., major professor 2002-2007 (Assistant Curator, National Museum of Natural History).  
Dimitri Forero#, Hemiptera Systematics, Ph.D., major professor 2004-2008 (Professor, Pontificia Universidad Javeriana, Bogotá, Colombia).  
Sophie Cardinal, Hymenoptera Systematics, Ph.D., minor member 2004-2010 (Scientist, Canadian National Collection, Canada Agriculture, Ottawa).  
James E. Hayden, Jr., Lepidoptera Systematics, Ph.D., major professor 2004-2010 (Research Lepidopterist, Florida Dept. of Food & Agriculture, Gainesville).  
Andrea Schomann, Ph.D., external examiner September 2014, University of Copenhagen, Denmark.  
# AMNH-CU joint program student with research tenure at AMNH.

#### **B. Professional Service, Assignments, Honors:**

2014--External assessment of insect collection, University of Iowa Museum of Natural History, 3-6 November (written report developed for Research Provost's office).  
2010--Best Paper Award for 2009, Coleopterists' Society, for *Native and alien Carabidae (Coleoptera) share Lanai, an ecologically devastated island. Coleopterists Bulletin 63: 383-411.*  
2010--U.S.D.A. Agricultural Research Service National Program Review Panel.  
2010--Distinguished Service Award for Teaching, Eastern Branch, Entomological Society of America.  
2009, 2014--President's Student Competition Judge, Entomological Society of America national meeting.  
2009--Moderator, 10-minute presentation session, Entomological Society of America national meeting, Indianapolis.  
2008-2010--Snodgrass Student Research Award evaluation committee, Entomological Society of America.  
2007--Associate Editor, *Entomologica Americana*.  
2006--Thomas Say Award for outstanding systematic monograph, *Liebherr, J.K. & E.C. Zimmerman. 2000. Hawaiian Carabidae (Coleoptera), Part 1: Introduction and Tribe Platynini. Insects of Hawaii 16: v + 494 pp.* Entomological Foundation, Entomological Society of America.  
2004-2006--Book Review Editor, *Journal of the New York Entomological Society*.  
2003-2005--Executor, John G. Franclemont Entomological Library.  
2000-present--Research Associate, Carnegie Museum of Natural History, Pittsburgh.  
2000-present--Scientific Editor, *Insects of Hawaii* series.  
1999--Graduate Field of Entomology External Review Committee, Texas A&M University.  
1996-present--Editorial Advisory Board (1996-2013), Associate Editor (2014-present), *Deutsche Entomologische Zeitschrift*.  
1993-1994--Associate Editor, *Systematic Biology*.  
1992, 1993, 1997--N.S.F. Survey and Inventory Panel, Systematics and Population Biology Program.  
1992-1992--Biogeography subcommittee co-chairman, Systematics Agenda 2000.  
1992-present--Research Associate, Department of Biological Sciences, Bernice Pauahi Bishop Museum, Honolulu.  
1992-2006--Editorial Committee Chair, *Journal of the New York Entomological Society*.  
1990-1992--Editor, *Journal of the New York Entomological Society*.  
1985-present--Research Associate, American Museum of Natural History, New York.  
1984-1990--Research Associate, Museum of Comparative Zoology, Harvard University.  
1982--Harvey I. Magy Outstanding Graduate Student Award, Department of Entomology, University of California, Berkeley.  
1981--Pacific Branch nominee, John Henry Comstock Award, Entomological Society of America.  
1979, 1980--Regents' Fellowship, University of California, Berkeley.  
1978--Gail Calmerton-Stanley Tasheira Scholarships, University of California, Berkeley.  
1972--Phi Beta Kappa Honorary Society, University of Wisconsin Alpha Chapter.

#### **C. Professional Societies:**

Coleopterists' Society  
Hawaiian Entomological Society

Entomological Society of America  
Royal Entomological Society, London (Fellow)

#### **D.1. University and College Committees and Programs:**

Mann Library Committee, 2016-2019.  
Comstock Memorial Library Transition Committee, 2010.  
University Appeals Panel Committee, 2005-2010.  
University Faculty Committee for Program Review, 2003-2005.  
Cornell Plantations Natural Areas Committee, 1999-2005.  
Cornell Plantations Advisory Board, 1995-2001.  
Faculty Council of Representatives, 1994-1995.  
Electron Microscopy Advisory Committee, 1985-1998 (lab made redundant 2008).  
Coordinator, Cooperative Extension Service Diagnostic Laboratory, 1984-1987.

#### **D.2. Departmental Committees (of note):**

Senior Extension Associate/Collection Manager Search Committee, Chair, 2011.  
Jugatae Seminar Coordinator, 2010-2011.  
Grace Griswold Committee, 2006-2010, 2008-2010 chair.  
Bradley Committee for the Advancement of Insect Taxonomy, Chair, 1995-present.  
Curriculum & Teaching Committee 1984-1986; Chair, 1989-1992; 1996-2003, 2005-2011.  
Graduate Faculty Representative, 1992-1995.  
Entomology Admissions Committee, 1989-1995.  
Anna Botsford and John Henry Comstock Hall Dedication Committee Chair, 1985-1986.  
Cornell University Insect Collection Committee Chair, 1983-present.

#### **E. Grants and Awards:**

2017. Western Australian Museum Biodiversity Survey; 15 February--15 March; US\$9500 (Kipling W. Will PI).  
2016. Cornell University Provost's Office, Open Access Journal Fee Award to support publication in *Deutsche Entomologische Zeitschrift* 63: 211-270 (<http://dez.pensoft.net/articles.php?id=10241>); \$1504.  
2016. N.S.F. DBI-1561269: CSBR: Natural History: Digitized Images from the Cornell University Insect Collection Support D.I.Y. Entomological Training; 1 August 2016-31 July 2019; \$313,100 (J. M. Dombroskie co-PI).  
2015. Cornell University Provost's Office, Open Access Journal Fee Award to support publication in *ZooKeys* 544 (DOI: [10.3897/zookeys.544.6074](https://doi.org/10.3897/zookeys.544.6074)), \$3000, (3299 unique views, 25 July 2016; research results of N.S.F. award DEB-0315504).

2013. Cornell University Provost's Office, Open Access Journal Fee Award to support publication in ZooKeys 322 (DOI: 10.3897/zookeys.322.5492), \$2462, (3488 unique views, 25 July 2016; research results of N.S.F. award DEB-0451971).

2012. Cornell University Provost's Office, Open Access Journal Fee Award to support publication in ZooKeys 227 (DOI: 10.3897/zookeys.227.3797), \$1185, (3408 unique views, 25 July 2016; research results of N.S.F. award DEB-0451971).

2012. Cornell University Provost's Office, Open Access Journal Fee Award to support publication in ZooKeys 224 (DOI:10.3897/zookeys.224.3675), \$750, (4062 unique views, 25 July 2016; research results of N.S.F. award DEB-0451971).

2011. Cornell University Provost's Office, Open Access Journal Fee Award to support publication in ZooKeys 147 (DOI: 10.3897/zookeys.147.1898), \$1006, (5102 unique views, 25 July 2016; research results of N.S.F. award DEB-0315504).

2011. N.S.F. Digitization TCN: Collaborative Research: Plants, Herbivores, and Parasitoids: A Model System for the study of Tri-Trophic Associations, subaward \$46,662 (B. Normark, PI).

2008. N.S.F. DEB-0808415; Dissertation Research: Systematics of cloud-forest moths: Revision of *Cliniodes* (Lepidoptera: Crambidae), \$10,137 (J. E. Hayden, Jr., Ph.D.).

2006. N.S.F. DEB-0608258; Dissertation Research: Phylogeny, Classification and Biodiversity of Robber Flies (Diptera: Asilidae) with Special Reference to Leptogastrinae, \$11,650 (T. Dikow, Ph.D.).

2005. N.S.F. DEB-0451971; Biotic Surveys and Inventory: Arthropods of French Polynesia, subaward \$70,330 (R. G. Gillespie, PI).

2003. N.S.F. DEB-0315504; REVSYS: Revisionary systematics of Hawaiian *Mecyclothorax* beetles (Coleoptera: Carabidae), \$194,377.

2001. E.P.A./STAR; Impact of invasive species on the fitness of red-backed salamander, \$447,000 (co-PI with B. Blossey, P.I.).

1998. N.S.F. DEB-9806349; Molecular phylogenetics and revisionary systematics of Hawaiian carabid beetles, \$190,000 (\$37,445 award, \$152,555 subaward to M. F. Whiting, co-PI).

1997. National Geographic Society #5929-97; Phylogeny, Taxonomy, and Biogeography of Hawaiian Carabid Beetles (Insecta: Coleoptera), \$7845.

1997. American Philosophical Society; Type comparisons as the basis for systematics of a Hawaiian species swarm, \$3300.

1997. N.S.F. DEB-9700764 Dissertation Research: Genera of the abariform generic complex (Coleoptera: Carabidae, Pterostichini), \$7175 (K. W. Will, Ph.D.).

1995. N.S.F. DEB-9520759 Dissertation Research: Comparative morphology and cladistic biogeography of *Verres* (Coleoptera: Passalidae; Proculini), \$10,000 (C. J. Marshall, Ph.D.).

1992. N.S.F. DEB-9208269; Phylogeny and revision of the Hawaiian Carabidae: Platynini (Insecta: Coleoptera), \$162,481.

1992. N.S.F. DEB-9122912; Dissertation Research: Phylogenetic relationships among the holometabolous orders of insects based on DNA sequence data, \$15,000 (Michael F. Whiting, Ph.D.).

1992. N.S.F. DEB-9122953; Dissertation Research: Phylogeny of agrypnine click beetles (Coleoptera: Elateridae: Pyrophorinae: Agrypnini), \$10,000 awarded but not funded (K.E.M. Galley, M.S.).

1991. American Philosophical Society; Systematics and biogeography of Hawaiian platynine ground beetles, \$6,092 awarded but not funded due to N.G.S. award.

1991. National Geographic Society #4431-90; Systematics and biogeography of Hawaiian platynine ground beetles, \$6092.

1990. N.S.F. BSR-8911903; Renovation of Coleoptera holdings and computerization of records in the Cornell University Insect Collection, \$92,514 (E.R. Hoebeke & Q.D. Wheeler, co-PI's).

1988. N.S.F. DEB-8815124 Dissertation Research: Biogeography of brown lacewing genera (Neuroptera: Hemerobiidae), \$7539 (J. D. Oswald, Ph.D.).

1987. N.S.F. BSR-8614628; Revisionary, phylogenetic, and evolutionary studies of platynine carabid beetles, \$69,231.

1985. N.S.F. BSR-8501435; Publication support for a taxonomic revision of the Platynini (Coleoptera), \$1881.

1985. N.S.F. BSR-8414253; Expansion of facilities and improvement of Lepidoptera holdings of Cornell University Insect Collection, \$180,000 (Q. D. Wheeler, co-PI).

1983. N.S.F. DEB-8216302; Modernization and Improvement of Cornell University Insect Collections (Environmental Biology), \$198,804 (Q. D. Wheeler, PI; Liebherr appointed administrative co-PI upon hiring at Cornell).

1980. N.S.F. DEB-7924298; Electrophoretic data as taxonomic criteria: a study of the ground beetle genus *Agonum* Bonelli (Coleoptera: Carabidae); \$2462 (dissertation improvement grant to J. T. Doyen).

#### F. Sabbatic Leaves:

**2015. 15 January-1 June;** home office, Ithaca; Essig Museum of Entomology, University of California (publication 112).

**2008. 18 January-8 June;** Lincoln University, New Zealand (John W. M. Marris host); carabid beetle fauna of New Zealand (publications 94, 101, 102).

**2000. 15 July--15 January 2001;** Zoological Museum, University of Copenhagen (Henrik Enghoff host); cladistic analysis of Laurasian carabid genus *Agonum* (publications 62, 64, 74, 98).

**1991. 1 March--1 June;** Dept. of Entomology, B.P. Bishop Museum, Honolulu (Scott E. Miller host); field work supporting taxonomic revisions of Hawaiian carabid beetles (publications 44, 49, 50, 51, 55, 59, 61, 63, 75, 81, 82, 87, 90, 91, 95, 96, 100, 112). **1 June--1 Sept.;** Ithaca, NY (publication 38).

#### G. Refereed Scientific Publications:

**119.** Liebherr, J.K. In prep. Cladistic classification of *Mecyclothorax* Sharp (Coleoptera: Carabidae: Moriomorhini) and revision of the New Caledonian subgenus *Phacothorax* Jeannel. For Deutsche Entomologische Zeitschrift.

**118.** Liebherr, J.K. submitted. Review of *Mecyclothorax* Sharp (Coleoptera: Carabidae: Moriomorhini) from Papua New Guinea with descriptions of five new species. Coleopterists Bulletin (46 pp + 32 figs).

**117.** Liebherr, J.K. 2017. Revision of *Dobodura* Darlington (Coleoptera: Carabidae: Odacanthini): diversification on accreted terranes of northern New Guinea. Tijdschrift voor Entomologie 160: 1–23 (<https://doi.org/10.1163/22119434-16001001>).

**116.** Liebherr, J.K. 2017. *Bryanites graeffii* sp. n.: museum rediscovery of a relict species from Samoa. Zoosystematics and Evolution 93: 1–11 (<https://doi.org/10.3897/zse.93.10802>).

**115.** Bittner, T.D., A.E. Hajek & J.K. Liebherr. 2016. Associations among *Serropalpus substriatus* (Coleoptera: Melandryidae) and *Sirex* (Hymenoptera: Siricidae) communities. Great Lakes Entomologist 49: 18–26.

**114.** Liebherr, J.K. 2016. *Cyphocoleus* Chaudoir (Coleoptera: Carabidae: Odacanthini): taxonomic revision, phylogenetic relationships, and the Cenozoic history of New Caledonia. Deutsche Entomologische Zeitschrift 63(2): 211–270 (<http://dez.pensoft.net/articles.php?id=10241>).

**113.** Hajek, A.E., A. Gryganskyi, T. Bittner, J.K. Liebherr, J.H. Liebherr, A.B. Jensen, J.K. Moulton & R.A. Humber. 2016. Phylogenetic placement of two species known only from resting spores: *Zoophthora independentia* sp. nov. and *Z. porteri* comb. nov. (Entomophthorales: Entomophthoraceae). Journal of Invertebrate Pathology 140:68-74 ([doi: 10.1016/j.jip.2016.09.002](https://doi.org/10.1016/j.jip.2016.09.002)).

**112.** Liebherr, J.K. 2015. The *Mecyclothorax* beetles (Coleoptera: Carabidae: Moriomorhini) of Haleakalā, Maui: Keystone of a hyperdiverse Hawaiian radiation. ZooKeys 522 (6074): 407 pp. (DOI: 10.3897/zookeys.544.6074).

**111.** Liebherr, J.K. & N. Porch. 2015. Reassembling a lost lowland carabid beetle assemblage (Coleoptera) from Kauai, Hawaiian Islands. Invertebrate Systematics 29: 191-213 (DOI: 10.1071/IS14047).

**110.** Liebherr, J.K. & K.W. Will. 2015. Antisymmetric male genitalia in Western Australian populations of *Mecyclothorax punctipennis* (Coleoptera: Carabidae: Moriomorhini). Insect Systematics & Evolution 46: 393-409 (DOI 10.1163/1876312X-45042124).

**109.** Rocha, L.A. et al. (122 co-authors including J. Liebherr). 2014. Specimen collection: an essential tool. Science 344(6186): 814-815.

**108.** Liebherr, J.K. & D.R. Maddison. 2013. Colonization of the Pacific by *Bembidion* beetles (Coleoptera: Carabidae), with description of *Bembidion tahitiense*, sp. nov., from Tahiti, French Polynesia. Invertebrate Systematics 27: 439-449 (DOI: <http://www.publish.csiro.au/paper/IS13003.htm>).

107. Liebherr, J.K. 2013. The *Mecyclothorax* beetles (Coleoptera: Carabidae: Moriomorphini) of Tahiti, Society Islands. ZooKeys 322: 170 pp. (DOI: <http://www.pensoft.net/journals/zookeys/issue/322/>).
106. Liebherr, J.K. 2012. New *Mecyclothorax* spp. (Coleoptera: Carabidae: Moriomorphini) define Mont Mauru, eastern Tahiti Nui, as a distinct area of endemism. ZooKeys 227: 63-99 (DOI: [10.3897/zookeys.227.3797](https://doi.org/10.3897/zookeys.227.3797)).
105. Liebherr, J.K. 2012. The first precinctive Carabidae from Moorea, Society Islands: new *Mecyclothorax* spp. (Coleoptera) from the summit of Mont Tohhea. ZooKeys 224: 37-80 (DOI: [10.3897/zookeys.224.3675](https://doi.org/10.3897/zookeys.224.3675)).
104. Seldon, D.S., R.A.B. Leschen & J.K. Liebherr. 2012. A new species of *Mecodema* (Carabidae: Broscini) from Northland, New Zealand, with notes on a newly observed structure within the female genitalia. New Zealand Entomologist 35(1): 39-50.
103. Liebherr, J.K. & P.D. Krushelnycky. 2011. *Mecyclothorax palikea*, sp. n. from the Waianae Range, Oahu, and the biogeographical history of Hawaii's *M. flavomarginatus* species group (Coleoptera: Carabidae: Moriomorphini). Insect Systematics & Evolution 43(4): 365-384 (DOI: [10.1163/187631211X608718](https://doi.org/10.1163/187631211X608718)).
102. Liebherr, J.K. 2011. Cladistic assessment of subtribal affinities within the tribe Moriomorphini with description of *Rossjoycea glacialis*, gen. n. and sp. n. from the South Island, and revision of *Meonochilus* Liebherr & Marris from the North Island, New Zealand (Coleoptera, Carabidae). ZooKeys 147: 277-335 (DOI: [10.3897/zookeys.147.1898](https://doi.org/10.3897/zookeys.147.1898)).
101. Liebherr, J.K., J.W.M. Marris, R.M. Emberson, P. Syrett & S. Roig-Juñent. 2011. *Orthoglymma wangapeka*, gen. n., sp. n. (Coleoptera: Carabidae): a newly discovered relict from the Buller Terrane, north-western South Island, New Zealand, corroborates a general pattern of Gondwanan endemism. Systematic Entomology 36: 395-414 (DOI: [10.1111/j.1365-3113.2011.00569](https://doi.org/10.1111/j.1365-3113.2011.00569); 3 supplementary appendices).
100. Liebherr, J.K. 2011. The *Mecyclothorax* beetles (Coleoptera: Carabidae: Moriomorphini) of West Maui, Hawaii: taxonomy, biogeography, and conservation. Deutsche Entomologische Zeitschrift 58(1): 15-76 (DOI: [dez0005d-1c\\_015-076](https://doi.org/10.1007/s0005d-1c_015-076)).
99. Liebherr, J.K., A. Casale, T.L. Erwin & G.E. Ball. 2010. On the provenance of Boheman's "Eugenies resa" Carabidae (Coleoptera) allegedly described from Hawaii. Coleopterists Bulletin 64: 221-229 (DOI: <http://www.bioone.org/doi/pdf/10.1649/0010-065X-64.3.221.7>).
98. Schmidt, J. & J.K. Liebherr. 2009. Beiträge zur Systematik und Verbreitung paläarktischer Arten der Platynini (Insecta: Coleoptera: Carabidae). Veröffentlichungen des Naturkundemuseums Erfurt 28: 225-257
97. Liebherr, J.K., S.L. Montgomery, R.A. Englund & G.A. Samuelson. 2009. The first Hawaiian occurrence of the alien ground beetle *Agonum muelleri* (Coleoptera: Carabidae) from the summit of Mauna Kea, Hawaii island. Proceedings of the Hawaiian Entomological Society 41: 97-103.
96. Liebherr, J.K. 2009. Native and alien Carabidae (Coleoptera) share Lanai, an ecologically devastated island. Coleopterists Bulletin 63: 383-411.
95. Liebherr, J.K. 2009. Taxonomic revision of the *Mecyclothorax* beetles (Coleoptera: Carabidae) of Oahu: epithets as epitaphs for an endangered fauna? Systematic Entomology 34: 649-687.
94. Liebherr, J.K. & J.W.M. Marris. 2009. Revision of the New Zealand species of *Mecyclothorax* Sharp (Coleoptera: Carabidae: Psydrinae, Mecyclothoracini) and the consequent removal of several species to *Meonochilus* gen. n. (Psydrinae, Meonini). New Zealand Entomologist 32: 5-22.
93. Liebherr, J.K. 2008. *Mecyclothorax kavanaughii* sp. n. (Coleoptera: Carabidae) from the Finisterre Range, Papua New Guinea. Tijdschrift voor Entomologie 151: 147-154.
92. Liebherr, J.K., N.L. Evenhuis & W. Lorenz. 2008. *Disenochus perkinsi* (Csiki, 1931) (Coleoptera: Carabidae): an unavailable replacement name. Coleopterists Bulletin 62: 441-442.
91. Liebherr, J.K. 2008. Taxonomic revision of Hawaiian *Bembidion* Latreille (Coleoptera: Carabidae, Bembidiini) with a discussion of their reductive and derivative evolutionary specializations. Annals of Carnegie Museum 77: 31-78.
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12. Liebherr, J.K. 2002. Fauna of New Zealand (Ko te Aitanga Pepeke o Aotearoa) No. 43, Carabidae: catalogue, by A. Larochelle and M.-C. Larivière (book review). *Journal of the New York Entomological Society* 110: 260-262.
11. Liebherr, J.K. 2000. Appendix, Insects of Hawaii 16 (CD-ROM of phylogenetic, geographic, and taxonomic data). An Odyssey Production, Ithaca, New York (available from the author).
10. Liebherr, J.K. 1993. Appendix B, pp. 180-182. In: Ball, G. E., & D. Shpeley. Classification, reconstructed phylogeny and geographical history of the New World species of *Coptodera* Dejean (Coleoptera: Carabidae: Lebiini). *Proceedings of the Entomological Society of Ontario* 124: 182 pp.
9. Liebherr, J.K. 1993. History of native North American *Harpalus*, by Gerald R. Noonan (book review). *Journal of the New York Entomological Society* 101: 436-437.
8. Liebherr, J.K. & D.L. Wagner. 1992. Flightlessness in insects, a reply. *Trends in Ecology & Evolution* 7: 421.
7. Liebherr, J.K. 1991. Biogeographic patterns of Antillean insects: the emerging pattern of Antillean geohistory and faunal diversification (extended abstract), pp. 409-411. In: E. C. Dudley (ed.), *The Unity of Evolutionary Biology*, Proceedings of the 4th International Congress of Systematic & Evolutionary Biology. Dioscorides Press, Portland, Oregon.
6. Liebherr, J.K. 1990. Everything you ever wanted to know about speciation (but were afraid to ask); Speciation and its Consequences, by D. Otte & J. A. Endler (eds) (book review). *Journal of the New York Entomological Society* 98: 261-263.
5. Liebherr, J.K. 1988. Insects and Human Society, by T. Michael Peters (book review). *Quarterly Review of Biology* 63: 490.
4. Liebherr, J.K. 1988. Rebuttal (= errata): grading the making of a book review. *Journal of the New York Entomological Society* 96: 367-369.
3. Liebherr, J.K. & Q.D. Wheeler. 1985. The 18th Numerical Taxonomy Conference at Cornell University, Ithaca, NY. *Cladistics* 1: 287-291.
2. Liebherr, J.K. 1984. Insect Biology, by Howard E. Evans (book review). *Bulletin of the Entomological Society of America* 30: 79-80.
1. Liebherr, J.K. 1976. Les Carabidae du Quebec et du Labrador, by André Larochelle (book review). *Great Lakes Entomologist* 9: 207-208.

#### K. Scientific Presentations:

- Liebherr, J.K. 2016. Dobodura, Darlington & Dobodura Darlington (poster). Fourth International Symposium of Carabidology, Athens, GA.
- Liebherr, J.K. 2016. From *Actenonyx* to *Cyphocoleus* to *Dobodura*: Probing the outer limits of odacanthine lineages (invited). Fourth International Symposium of Carabidology, Athens, GA (invited).
- Liebherr, J.K. 2016. What should we conserve? Lessons learned on Haleakalā (invited). Integrating Insect Conservation Theory and Practice (Symposium), Entomological Society of America Pacific Branch, Honolulu, HI.
- Liebherr, J.K. 2014. Elucidating an extirpated lowland carabid beetle assemblage from Kauai, Hawaiian Islands (invited). Member Symposium: Merging the Ecological and Systematic Knowledge of Carabid Beetles, Entomological Society of America, Portland.
- Liebherr, J., D. Burney & N. Porch. 2014. Biological Significance of a Lowland pre-Polynesian Carabid Beetle Assemblage from Makauwahi Cave, Kauai, Hawaii (invited). Island Biology 2014, initial meeting of the International Society for Island Biology (Honolulu).
- Liebherr, J.K. 2012. So many beetles, so little space: biogeographic history of *Mecyclothorax* beetles on Haleakalā, Maui [poster display]. Entomol. Soc. Am., Knoxville, TN.
- Liebherr, J.K. 2012. So many beetles, so little time: speciation of *Mecyclothorax* beetles on Haleakalā, Maui. Entomol. Soc. Am., Knoxville, TN.
- Liebherr, J.K. 2012. Evolutionary specializations in marginal habitats: carabid beetles of alpine and leeward Hawaii. Pacific Entomological Conference, Hawaiian Entomological Society, Honolulu, HI.
- Liebherr, J.K. 2011. Native Hawaiian Carabid Beetles: their relative abundance and utility for conservation management. Pacific Branch Entomol. Soc. Am., Waikoloa, HI.
- Liebherr, J.K. 2010. Hawaiian *Mecyclothorax* (Psydrini or Moriomorphini?): bioindicators outstanding in the field (:. Bellfest (A Celebration of the Careers of Joyce and Ross Bell). University of Vermont, Burlington, VT.
- Liebherr, J. & P. Krushelnycky. 2009. Discovery of a single specimen informs the evolutionary history and endangerment status of the high-elevation Haleakala beetle, *Blackburnia lenta* (Coleoptera: Carabidae) [poster display]. Entomol. Soc. Am., Indianapolis, IN.
- Liebherr, J. & N. Porch. 2009. Fossils in Hawaii? The importance of a sub-fossil assemblage for understanding the Hawaiian *Blackburnia* radiation (Coleoptera: Carabidae). Entomol. Soc. Am., Indianapolis, IN.
- Liebherr, J. 2009. What can we learn from studying areas of endemism defined by Hawaiian Carabidae (Coleoptera)? Entomol. Soc. Am., Indianapolis, IN.
- Liebherr, J. & N. Porch. 2008. Increased phylogenetic resolution for a densely sampled Hawaiian radiation via the addition of extant and extinct taxa. Willi Hennig Society, Tucuman, Argentina (invited).
- Liebherr, J.K. 2008. Systematic data to assess the impact of invasives over three different time scales. New Zealand Entomological Society, Christchurch (invited).
- Liebherr, J.K. 2006. Congruent distributions of *Mecyclothorax* beetles (Coleoptera: Carabidae) define areas appropriate for conservation. Entomol. Soc. Am., Indianapolis, IN.
- Liebherr, J.K. 2006. Small, sedentary, predaceous carabid beetles define areas of endemism on Molokai. Hawaii Conservation Conference, Honolulu.
- Liebherr, J.K. 2006. Hawaiian Carabidae: Georges was Right, Carl was Right, and David was Right. George E. Ball 80th Birthday Celebration. Carnegie Museum of Natural History, Pittsburgh, PA.
- Liebherr, J.K. 2005. Conserving ecological and phylogenetic relationships as well as species. Gesellschaft für Biologische Systematik, Basel (invited plenary lecture).
- Liebherr, J.K. 2005. Patterns of endangerment or pathways to enlightenment: Reconstructing the *Fauna Hawaiiensis*. Hawaii Conservation Conference, Honolulu (invited plenary lecture).

- Liebherr, J.K. 2005. Hawaiian *Blackburnia* beetles (Coleoptera: Carabidae): Patterns of specialization with implications for conservation. Deutsche Gesellschaft für allgemeine und angewandte Entomologie, Dresden (invited plenary lecture).
- Liebherr, J.K. 2004. Vanuatu platynine Carabidae (Coleoptera) as the impetus for following cladistic tracks across the southwest Pacific. In: Bickel, D. (organizer), Biogeography of the Southwest Pacific, International Congress of Entomology, Brisbane (symposium oral presentation).
- Liebherr, J.K. 2004. Using historical associations of archival natural history specimens to aid evaluation of endangered species status. In: Niemela, P. and Spence, J. (organizers), Endemism, Rarity and Endangered Species, International Congress of Entomology, Brisbane (symposium oral presentation).
- Liebherr, J.K. 2004. Patterns of endangerment or pathways to enlightenment? Reconstructing the *Fauna Hawiienensis*. Expanding the Ark Symposium, American Museum of Natural History, New York (display).
- Will, K.W., D.R. Maddison & J.K. Liebherr. 2003. Absence asymmetry: the evolution of monorchid ground beetles (Coleoptera: Carabidae). Entomol. Soc. Am., Cincinnati, OH.
- Liebherr, J.K. 2003. Event- and pattern-based proposals of biogeographic homology. Willi Hennig Society, New York Botanical Garden, Bronx, NY (symposium).
- Liebherr, J.K. 2002. Using that which is not: patterns of anthropogenic and biological extinction in Hawaii. Entomol. Soc. Am., Ft. Lauderdale, FL (symposium).
- Liebherr, J.K. & H. Song. 2001. Distinct ground beetle (Coleoptera: Carabidae) assemblages within a New York State wetland complex. Entomol. Soc. Amer., San Diego, CA (display).
- Liebherr, J. & J. Schmidt. 2001. Biogeographic analysis of the Holarctic carabid beetle genus *Agonum*: illuminating area relationships through time. Entomol. Soc. Am., San Diego, CA (symposium).
- Liebherr, J.K. 1999. Larval and life history evolution in a swarm of Hawaiian carabid beetles. John F. Lawrence Celebration, Canberra, Australia (symposium).
- Liebherr, J.K. & M.F. Whiting. 1998. Combining morphological and molecular data to resolve relationships among Hawaiian platynine Carabidae (Insecta: Coleoptera). 50 years of Hawaiian Entomology symposium honoring E. C. Zimmerman and D.E. Hardy, Entom. Soc. Amer. Pacific Branch, Honolulu, HI (symposium).
- Liebherr, J.K. 1997. Patterns of diversification in island swarming carabid beetles. Willi Hennig Society Meetings, Washington, D.C. (symposium).
- Liebherr, J.K. 1996. Cladistic analysis of the carabid beetle genus *Agonum* Bonelli for the World (Coleoptera: Carabidae: Platynini). 20th Int'l. Congr. Entomol., Florence, Italy (display).
- Liebherr, J.K. & K.W. Will (presenter). 1996. Inferring phylogenetic relationships from characters of the female reproductive tract. In: Phylogeny and Classification of Caraboidea, G.E. Ball organizer. 20th Int'l. Congr. Entomol., Florence, Italy (symposium).
- Liebherr, J.K. & D.A. Polhemus. 1996. R.C.L. Perkins and the *Fauna Hawiienensis*: What long term data can tell us about Hawaiian diversity. In: The Legacy of R.C.L. Perkins: 100 Years of Hawaiian Entomology. Int'l. Congr. Entomol., Florence, Italy (symposium).
- Liebherr, J.K. 1996. Dispersal and vicariance in Hawaiian platynine carabid beetles. In: The Legacy of R.C.L. Perkins. 20th Int'l. Congr. Entomol., Florence, Italy (symposium).
- Marshall, C.J. & J.K. Liebherr. 1996. Biogeography of the Mexican Transition Zone: Hybrid areas and general area cladograms. In: Biodiversity and Biogeography in the Neotropics, M. Zunino & G. Halffter, organizers. 20th Int'l. Congr. Entomol., Florence, Italy (symposium).
- Liebherr, J.K. & C.J. Marshall (presenter). 1995. Biogeography, phylogeny and conservation priority: is a synthesis possible? Eastern Branch, Entomol. Soc. Am., Harrisburg, PA (symposium).
- Liebherr, J.K. 1994. Implications of larval data for the source of Hawaiian platynine Carabidae (Coleoptera). Entomol. Soc. Am., Dallas TX (display).
- Liebherr, J.K. 1993. Systematics and conservation priority: montane Mexican and Central American Carabidae. Soc. Syst. Biol., Snowbird, UT.
- Liebherr, J.K. 1992. The case for a North American Biological Survey: cladistics of the genus *Agonum* (Coleoptera: Carabidae). Entomol. Soc. Am., Baltimore, MD.
- Liebherr, J.K. 1990. Ambiguous truths or precise folly?: the search for general patterns in cladistic biogeography. Entomol. Soc. Am., New Orleans, LA (symposium).
- Liebherr, J.K. 1990. Biogeographic patterns of Antillean insects: the emerging picture of Antillean geohistory and faunal diversification. Intl. Cong. Syst. Ecol. Biol., College Park, MD (symposium).
- Liebherr, J.K. & G.E. Ball. 1989. The larva of *Eripus oaxacanus* (Coleoptera: Carabidae: Peleciini): indicator of affinity of convergence? Entomol. Soc. Am., San Antonio, TX (display).
- Liebherr, J.K. & A.E. Hajek. 1988. Testing taxon cycle scenarios using biogeographic patterns of Mexican and Antillean platynine and pterostichine carabid beetles. 18th Int'l. Congr. Entomol., Vancouver, Canada (symposium).
- Liebherr, J.K. 1987. Cope's rule of phyletic size increase in Carabidae (Coleoptera). Entomol. Soc. Am., Boston, MA.
- Liebherr, J.K. 1987. Biogeographic relationships of the montane insect fauna of the Caribbean. Soc. Syst. Zool., New Orleans, LA (symposium).
- Liebherr, J.K. 1986. Cladistic tests of the taxon cycle scenario. Eastern Branch, Entomol. Soc. Am., Philadelphia, PA (symposium).
- Liebherr, J.K. 1985. Biogeographic patterns of West Indian platynine Carabidae (Coleoptera). Entomol. Soc. Am., Hollywood, FL (symposium).
- Liebherr, J.K. 1984. The Cochise filter/barrier: the major speciation mechanism in the *Agonum extensicolle* group. 17th Int'l. Congr. Entomol., Hamburg, West Germany (symposium).
- Liebherr, J.K. 1983. Reproductive tract characters as phylogenetic indicators in platynine carabid beetles. Entomol. Soc. Am., Detroit, MI.
- Liebherr, J.K. 1982. An analysis of divergence: *Agonum decorum* and *Agonum elongatum* (Coleoptera: Carabidae). Entomol. Soc. Am., Toronto, Ontario.
- Liebherr, J.K. 1981. Polymorphism in a species of Carabidae: the *Agonum decorum* complex. Entomol. Soc. Am., San Diego, CA.
- Liebherr, J.K. 1979. A character compatibility analysis of the North American Agoni (Carabidae: Pterostichini). Entomol. Soc. Am., Denver, CO.
- Liebherr, J.K. & W. L. Roelofs. 1975. Hybridization studies using two pheromone strains of *Ostrinia nubilalis*. North Central Branch, Entomol. Soc. Am., East Lansing, MI.
- Liebherr, J.K. & W. L. Roelofs. 1975. Mediation of reproductive isolation in Lepidoptera by isomeric blends of sex attractants. Michigan Entomol. Soc., Centreville, MI.

#### **K. Organized Symposia and Workshops:**

- Liebherr, J.K. 2011. Hawaiian Insect Diversity: Biology meets Conservation Management. Pacific Branch Entomol. Soc. Am., Waikoloa, HI.
- Cranston, P.S. & J.K. Liebherr. 2001. Recent Advances in Insect Biogeography. Entomol. Soc. Am., San Diego, CA.
- Liebherr, J.K. & D.A. Polhemus. 1996. The Legacy of R.C.L. Perkins: 100 Years of Hawaiian Entomology. 20th Int'l. Congr. Entomol., Florence, Italy.
- Noonan, G. R., J.K. Liebherr, D.H. Kavanaugh & N.E. Stork. 1988. Carabidae of mountains and islands: a symposium in honor of Philip J. Darlington, Jr., 18th Int'l. Congr. Entomol., Vancouver, Canada.
- Liebherr, J.K. 1985. Historical biogeography of the West Indian insect fauna. Entomol. Soc. Am., Hollywood, FL.
- Liebherr, J.K. 1983. Female reproductive tract characters in Coleoptera. John L. LeConte Workshop on Coleoptera, Columbus, OH.

#### **L. Informal invited seminars:**

2008. Sex lives of cannibals: beetles from the near side of the world. Lincoln University, New Zealand.
2007. Sex lives of cannibals: beetles from the far side of the world. Jugatae Entomological Club, Cornell University; 2008, Field Museum of Natural History, Chicago.
2007. Caught between the pages: the treasures of the John G. Franclemont Collection. Mann Library and the Comstock Memorial Library, Cornell University.



2006. From faunal survey to phylogenetics: practical consequences of systematic research on Hawaiian carabid beetles. New York Entomological Society, New York.

2005. Hawaiian insects: discovering Hawaiian hyperdiversity. Natural History at Noon, Museum of the Earth/Paleontological Research Institute, Ithaca, NY.

2003. Dispersal and vicariance, congruence and reticulation: what are the real questions in historical biogeography? Jugatae Entomological Club, Cornell University; Department of Entomology, University of California, Davis.

2000. The utility of general patterns in biogeography: the Hawaiian platynine Carabidae, Zoological Museum, University of Copenhagen.

1998. Diversification of Hawaiian carabid beetles, Washington Entomological Society, Washington, D.C.; Royal Entomological Society, London; Section of Ecology and Systematics, Cornell University.

1997. Patterns underlying the diversification of Hawaiian carabid beetles, University of Hawaii, Manoa.

1997. General and special patterns in the diversification of Hawaiian carabid beetles, Michigan State University.

1997. Elements of biogeography. Phylogenetics Discussion Group, Michigan State University (class lecture, discussion, and workshop).

1996. Dispersal and vicariance in Hawaiian carabid beetles. Cambridge Entomological Club, Harvard University; Bailey Hortorium, Cornell University; New York Entomological Society, American Museum of Natural History.

1996. Islands afar, species galore, families afew: Collecting in a Hawaiian coleopterological paradise? Coleopterists' Society Annual Meeting, Louisville, KY.

1993-1994. Systematics and conservation priority: montane Carabidae of Mexico and Central America.

Jugatae Entomological Club, Cornell University (1993); Cambridge Entomological Club, Harvard University (1993); Dept. of Entomology, University of Arkansas, Fayetteville (1994); Snow Entomological Graduate Organization, University of Kansas, Lawrence (1994).

1992. Biogeographic patterns of montane Carabidae in Mexico and Central America. George E. Ball Festschrift, University of Alberta, Edmonton.

1990. Cladistic tests of biogeographic patterns: taxon cycles in Antillean and Mexican carabid beetles? Academy of Natural Sciences, Philadelphia, PA.

1990. Postdicting North American biogeography: was there no there there? Jugatae Entomological Club, Cornell University.

1989. Testing the historical significance of ecological patterns: an empirical analysis of several clades of elegant ground beetles. Jugatae Entomological Club, Cornell University.

1989. Cladistic tests of geographic and ecological patterns in the Caribbean biota. Systematics Discussion Group, American Museum of Natural History, New York.

1989. Cladistic tests of biogeographic patterns using carabid beetles. Dept. of Entomology, New York State Agr. Exp. Sta., Geneva.

1986. Cladistic tests of evolutionary patterns using West Indian *Platynus* beetles (Coleoptera: Carabidae). Univ. of Alberta, Dept. of Entomology.

1986. The taxon cycle: fantasy or fiction? Systematics Discussion Group, Cornell University.

1985. Biogeography of West Indian carabid beetles: vicariance or dispersal? Cornell University, Jugatae Entomological Club.

1984. The population genetics of platynine ground beetles. Dept. of Entomology, New York State Agr. Exp. Sta., Geneva.

1983. Speciation patterns in the *Agonum extensicolle* species group. Univ. California, Berkeley, Dept. of Entomology.

#### M. Outreach:

2002. Jugatae booth, Cabin Fever Festival (4000 guests).

2004, 2005, 2008-2010. Entomology Open House, Insectapalooza (Cornell University Insect Collection) (1400-2000 guests).

2007 (June and October). *Caught Between the Pages, the John G. Franclemont Library* (presentation to alumni and students respectively).

2007-2011. Collection demonstration by Robert Dirig, <http://www.news.cornell.edu/stories/Oct11/NabokovButterflies.html>.

2008-2011. Cornell University Insect Collection tours and resident lab exercises; BIOEE 1780, 320-420 students per semester.

2008, 2010. Collection tour focusing on endangered species; BIOEE 2670, Introduction to Conservation Biology (24 students)

2009. Collection tour emphasizing rare insects and history of CUIIC; SnodWiggs Undergraduate Entomology Club, 21 April, 20 participants for 90 minutes.

2009. Collection tour emphasizing mission of CUIIC; CALS Departmental Chairs' Assistants Annual Meeting, 29 April, 24 participants for 30 minutes.

2009-2010. Collection tour focusing on invasive insects and insect collection; Entom 2020, 30 participants for 50 minutes.

#### N. Extension publications:

- Liebherr, J.K. 1976. Sowbugs, pillbugs, millipedes and centipedes in the home. Michigan State University Agr. Facts No. 71, 2pp.
- Liebherr, J.K. 1976. The elm leaf beetle. Michigan State University Agr. Facts No. 75, 2pp.
- Liebherr, J.K. 1976. Dermestid beetles: larder and carpet beetles. Michigan State University Agr. Facts No. 76, 4pp.
- Liebherr, J.K. 1976. Cluster flies. Michigan State University Agr. Facts No. 78, 2 pp.
- Liebherr, J.K. 1977. How to control fleas. Michigan State University Agr. Facts No. 128, 2pp.
- Laemmlen, F. & J. Liebherr. 1977. House plants: common insects and diseases. Michigan State University Exten. Bull. E-973, 8 pp.
- Liebherr, J.K. 1978. Kitchen Pests. Michigan State University Family Facts No. 3, 8pp.
- Liebherr, J.K. 1978. Wood damaging insects in the home. Michigan State University Exten. Bull. E-497, 8pp.
- Brunner, J.F., A.J. Howitt, J.K. Liebherr & L. Olsen. 1981. Tree Fruit Insects. North Cent. Reg. Exten. Publ. 63, 60pp.

#### O. Courses taught (since 1983):

Spring 2016--Entom 3330, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 17 students.

Spring 2014--Entom 3330, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 9 students.

Fall 2013--Entom 2120, *Insect Biology* (4-credits), 32 students.

Spring 2012--Entom 3330, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 9 students.

Fall 2011--Entom 2120, *Insect Biology* (4-credits), 27 students.

Spring 2010--Entom 3330, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 18 students.

Fall 2009--Entom 2120, *Insect Biology* (4-credits), 27 students.

Spring 2009--Entom 497, *Nomenclature Seminar* (1 credit), 3 students.

First Semester 2008--Ento 304, *Insect Ecology and Diversity* (guest lecture); Lincoln University, New Zealand.

Fall 2007--Entom 333, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 6 students.

Spring 2006--Entom 333, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 15 students.

Fall 2005--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 10 students (co-taught w/ M.A. Luckow).

Spring 2005--Entom 655, *Seminar on Zoological Nomenclature* (1 credit), 6 students.

Fall 2004--Entom 333, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credit version), 11 students.

Fall 2003--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 9 students (co-taught w/ M.A. Luckow).

Spring 2003--Entom 707, *Individual Study for Graduate Students*, "Nomenclature Seminar" (2 credits), 8 students.

Fall 2002--Entom 333, *Maggots, Grubs and Cutworms: Larval Insect Biology* (5-credit version), 4 students registered, 3 auditors.

Fall 2001--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 11 students (co-taught w/ M.A. Luckow).

15 July 2000-15 January 2001--Sabbatic leave.

Fall 1999--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 11 students (co-taught w/ M.A. Luckow).

Fall 1998--Entom 212, *Insect Biology*, 35 students.

Fall 1997--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 13 students (co-taught w/ M.A. Luckow).

Fall 1996--Entom 212, *Insect Biology*, 37 students.

Fall 1995--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 11 students (co-taught w/ M.A. Luckow).

Fall 1994--Entom 212, *Insect Biology*, 32 students.  
 Fall 1993--Biopl-Entom 453, *Principles and Practice of Historical Biogeography*, 11 students registered, 11 auditors (co-taught w/ M.A. Luckow).  
 Fall 1992--Entom 212, *Insect Biology*, 40 students.  
 Spring 1992--Entom 636, *Seminar in Systematic Biology*, "Principles and Practice of Historical Biogeography", 7 students (co-taught w/ M.A. Luckow).  
 1 March-1 September 1991--Sabbatic leave.  
 Fall 1990--Entom 212, *Insect Biology*, 37 students.  
 Fall 1989--*Biogeographic Discussion Group*. Informal current topics journal club; 8-10 students.  
 Fall 1988--Entom 212, *Insect Biology*, 29 students.  
 Spring 1988--Entom 674, *Principles of Systematics*, (4 lectures on speciation and biogeography); team taught, 12 students.  
 Fall 1987--Entom 636, *Seminar in Systematic Entomology*, "Current topics in Historical Biogeography", 7 students.  
 Fall 1986--Entom 212, *Insect Biology*, 37 students.  
 Spring 1986--Entom 674, *Principles of Systematics* (2 lectures on speciation); team taught, 8 students.  
 Spring 1986--Entom 630, *Field Entomology*, 4 students (co-taught w/ Q.D. Wheeler).  
 Spring 1985--Entom 636, *Seminar in Systematic Entomology*, "Evolution on Islands", 6 students (co-taught w/ G.C. Eickwort).  
 Fall 1984--Entom 212, *Insect Biology*, 38 students.  
 Spring 1984--Entom 674, *Principles of Systematics* (2 lectures on speciation); team taught, 10 students.

**P. Undergraduate advising: To date I have advised the following:**

Ella Jacobs, 2016-present.  
 Hunter Reid, 2014-2016.  
 Ryan St. Laurent, 2012-2016.  
 Malachi Davis, 2011.  
 Jamie Freeman, 2011-2015.  
 Sean Griffin, 2007-2011, graduate student, Rutgers University.  
 Elena Olsen, 2007-2011, graduate student University of Fribourg, Switzerland.  
 Whitney Larson, 2008-2010.  
 Mark Zolnowski, 2004-2009, Insect Biology concentrator.  
 Alison Meisner, 2004-2009, transfer student.  
 Alexander Swanson, 2001-2005, Presidential Young Scholar Program, 2003-2005, M.S. University of Arizona, law school.  
 Stephanie Johnson, 2001-2004, University of Chicago Law School.  
 Tyler Fox, fall 1998-2000, graduated spring 2000, M.S. Michigan State University, DHHS port inspector.  
 Kriston Anderson, fall 1996, transferred to Education.  
 Mark A. Shattuck, fall 1995-1996, transferred to General Studies, withdrew.  
 Andrew D. Warren, 1992-1996, graduated spring 1996, Ph.D. Oregon State University, Research Biologist, McGuire Center, University of Florida.  
 Thomas Whalen, transfer student entering winter 1992, transferred to Ag. Econ., fall 1992.  
 Janine M. Polizzi, 1990-1993, graduated winter 1993, M.S. degree recipient, University of Georgia.  
 Zachary H. Falin, 1988-1992, graduated honors spring 1992; entomology collection manager, Ph.D., University of Kansas.  
 Randi A. Wilson, entering freshman fall of 1988, transferred to General Studies 1991.  
 Daniel Z. Rubinoff, entering freshman fall of 1988, Professor, University of Hawaii.  
 Frank G. Guarnieri, 1988-1990, graduated spring 1990, M.D./Ph.D., Johns Hopkins Medical College.  
 D. Almar Millman, 1986-1989, graduated winter 1989.  
 Thomas D. Perreault, 1985-1989, graduated spring 1989, J.D., Pace Law School.  
 Mark E. St. Pierre, 1985-1987, graduated spring 1987.

**Q. Curatorial responsibilities:**

To aid my ability to keep abreast of advances in collection management, I have visited as many entomological collections as practicable to observe operating procedures that can be brought to the CUIC. Field collecting of new material supports my research program and development of the CUIC.

**R. Entomological Collections Visited:**

Academy of Natural Sciences, Philadelphia.	Milwaukee Public Museum, Milwaukee.
Africa Museum, Tervuren, Belgium.	Mississippi State University, Starkville.
American Entomological Institute, Gainesville, FL.	Monte Bean Museum, Brigham Young University, Provo, Utah.
American Museum of Natural History, New York.	Museum National d'Histoire Naturelle, Paris.
Australian Museum, Sydney.	National Museum of Natural History, Smithsonian Institution, Washington, D.C.
Australian National Insect Collection, Canberra.	The Natural History Museum, London.
Bayern Zoologisches Staatssammlung, Munich.	Naturhistorisches Museum, Basel.
Bernice P. Bishop Museum, Honolulu.	New Zealand Arthropod Collection, Auckland.
California Academy of Sciences, San Francisco.	Museum of Biodiversity, The Ohio State University, Columbus.
California Department of Food and Agriculture, Sacramento.	Pennsylvania State University, University Park.
California Insect Survey/Essig Museum of Entomology, University of California, Berkeley.	Puerto Rico Department of Natural Resources, Rio Piedras.
University of California, Davis.	Queensland Museum, Brisbane.
Biosystematics Research Institute, AgricultureCanada, Ottawa.	Joachim Schmidt Collection, Rostock.
Canterbury Museum, Christchurch, New Zealand.	Sächsisches Staatliches Museum für Tierkunde, Dresden.
Field Museum of Natural History, Chicago.	Snow Entomological Museum, University of Kansas, Lawrence.
Florida State Collection of Arthropods, Gainesville.	South Australian Museum, Adelaide.
Frost Entomological Museum, Penn State University	Strickland Museum of Entomology, University of Alberta, Edmonton.
Hawaii Department of Agriculture, Honolulu.	Universidad Central de Venezuela, Maracay.
University of Hawaii, Manoa.	
Hope Entomological Collections, Oxford University.	Universidad Nacional Autonoma de México, Instituto de Zoología, Mexico City.
Instituto de Ecología, Jalapa, Veracruz.	University of Arkansas, Fayetteville, Arkansas.
Lincoln University Entomological Museum, New Zealand	University of Iowa Natural History Museum, Cedar Rapids.
Los Angeles County Museum, Los Angeles.	University of Puerto Rico, Mayagüez.
Museum für Naturkunde, Humboldt-Universität zu Berlin.	University of Wisconsin, Madison.
Museum of Comparative Zoology, Harvard University, Cambridge.	Zoological Museum, University of Lund.
Museum of Zoology, University of Michigan, Ann Arbor.	Zoological Museum, University of Copenhagen.
Michigan State University, East Lansing.	

**S. Field Research:**

Summers 1976-1977 Ecological studies of oak forest Carabidae in lower Michigan.

1979 (2 weeks) Arizona, New Mexico, Texas and Utah.  
1980 (2 weeks) Eastern California.  
1980 (2 weeks) Desert river systems in eastern California and Nevada.  
1981 (8 weeks) Florida to Nuevo Leon, Coahuila, and Chihuahua, Mexico.  
1982 (3 weeks) Marsh localities in southwestern Arizona.  
1984 (2 weeks) Montane collecting in southern Appalachians.  
1985 (2 weeks) Puerto Rico.  
1986 (2 weeks) Field Course to northern Florida.  
1987 (2 weeks) Trinidad.  
1987 (3 weeks) Volcanoes of Vera Cruz, Puebla, and Mexico, Mexico.  
1988 (2 weeks) Highlands of Oaxaca, Mexico.  
1989 (1 week) Montane forests, northern Venezuela.  
1990 (3 weeks) Atlantic versant Veracruz, Oaxaca, Mexico.  
1991 (11 weeks) Sabbatical leave in Hawaiian Islands, including Oahu, Kauai, Molokai, Maui & Hawaii.  
1992 (3 weeks) Collection sorting, Bishop Museum, Honolulu; fieldwork West Maui & Molokai.  
1993 (4 weeks) Maui Nui; Lanai, Molokai, West Maui, and Haleakala, East Maui (w/ Dan Polhemus).  
1995 (4 weeks) Oahu and Kauai (w/ Dan Polhemus).  
1996 (1 week) CUIC collecting expedition to South Carolina.  
1997 (3 weeks) Maui Nui--West Maui mountains, Haleakala, Molokai; Big Island (w/ Curtis Ewing & Dan Polhemus).  
1997 (1 week) Big Island; Kohalas, Hualalai (w/ Jon Giffin & Dan Polhemus).  
1998 (3 weeks) Maui Nui; windward Haleakala.  
1999 (1 week) New South Wales, Australia (w/ Rich Leschen).  
2000 (sabbatic) Denmark.  
2001 (2 weeks) leeward Haleakala and West Maui Mountains; Kau, Big Island.  
2003 (2 weeks) Kohalas, Hualalai, Mauna Loa, Big Island; mesic Haleakala, Maui (w/ Curtis Ewing & Dan Polhemus).  
2004 (3 weeks) Molokai, Lanai, and West Maui Mountains.  
2004 (1 week) South Australia, southern Queensland, Australia (w/ Kip Will, John & Dan Polhemus).  
2004 (6 months) Sabbatic leave to Denmark (weekend collecting).  
2005 (3 weeks) Molokai, Haleakala, and Kauai (2 weeks).  
2006 (3.5 weeks) Tahiti, Moorea (w/ Curtis Ewing & Dan Polhemus).  
2008 (5 months) Sabbatical leave, South Island, New Zealand.  
2008 (1 week) Tucumán and Mendoza, Argentina (w/ Sergio Roig, Cecilia Dominguez & Kip Will).  
2008 (2 weeks) Otago and Nelson, New Zealand (w/ John Marris, Rowan Emberson and Pauline Syrett).  
2011 (5 weeks) South Australia, Victoria and New South Wales, Australia (w/ Kip Will).  
2017 (4 weeks) Expedition to sample Carabid beetles of the Pilbara, Western Australia (w/ Kip Will & Nadine Guthrie).