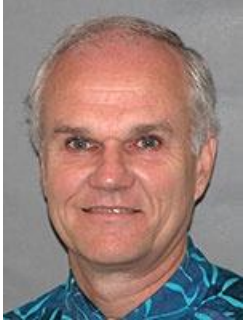


2016 Curriculum Vitae



NAME: James Kenneth Liebherr
DEPARTMENT/UNIT: Entomology
TITLE: Professor
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WEB PAGE: <http://entomology.cals.cornell.edu/people/james-liebherr>

APPOINTMENT: Curator and Professor of Entomology (50% time).

TRAINING: Ph.D. Entomology, Insect Systematics - University of California, Berkeley, 1983; major professor John. T. Doyen.

M.S. Entomology, Pheromone Biology - Cornell University, 1974; co-advisors John G. Franclemont, Wendell L. Roelofs.

B.A. Zoology, Limnology - 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 *Mecyclothorax* and tribe Moriomorhini. This analysis addresses phylogenetic relationships among genera of the carabid tribe Moriomorhini, 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*. A major impending project entails revision of the *Mecyclothorax* beetles of New Caledonia.

(3) Revisionary systematics of native Hawaiian and Tahitian Carabidae. The native Hawaiian carabid beetle fauna comprises about 420 species. Since I commenced fieldwork in 1991 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 *Bembidion* (23 native Hawaiian species). In complementary studies I revised the 116 *Mecyclothorax* species endemic to Haleakala, East Maui, a volcano of area ~1450 km², and the 101 endemic *Mecyclothorax* species from Tahiti; area 1045 km². These island radiations comprise two of most diverse, most geographically restricted radiations of any animal taxon, with species distributions defining extremely restricted areas of endemism critical for 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.

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), Department of Entomology, Cornell University.
1997-August 2016 Curator & Professor, Department of Entomology, Cornell University.
1989-1996 Curator & Associate Professor (tenured), Department of Entomology, Cornell University.
1983-1989 Curator & Assistant Professor, 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:

Curtis P. Ewing, Coleoptera Systematics, Ph.D., major professor 1999-2006 (Post-doctoral Fellow, University of California, Berkeley).
Eduardo A. M. Almeida, Hymenoptera Systematics, Ph.D., minor member 2002-2006 (Assistant Professor, Universidade de Sao Paulo, Brazil)
Andrew E. Z. Short, Coleoptera Systematics, Ph.D., major professor 2002-2007 (Assistant 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).
2013—N.S.F. Systematics and Biodiversity Science panel, Division of Environmental Biology.
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	Entomological Society of America
Hawaiian Entomological Society	Royal Entomological Society, London (Fellow)

D.1. University and College Committees and Programs:

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 Grant; 15 February-15 March; \$9500 (U.S.) (Kipling W. Will PI).
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.
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, (3020 unique views, 350 downloads, 4 February 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](https://doi.org/10.3897/zookeys.322.5492)), \$2462, (3309 unique views, 429 downloads, 4 February 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](https://doi.org/10.3897/zookeys.227.3797)), \$1185, (3243 unique views, 372 downloads, 4 February 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](https://doi.org/10.3897/zookeys.224.3675)), \$750, (3925 unique views, 526 downloads, 4 February 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](https://doi.org/10.3897/zookeys.147.1898)), \$1006, (4917 unique views, 449 downloads, 4 February 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 (B. Normark, PI), subaward \$46,662.
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 (Torsten Dikow, Ph.D.).

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).

G. Refereed Scientific Publications:

- 115.** Liebherr, J.K. Submitted. *Cyphocolleus* Chaudoir (Coleoptera: Carabidae: Odacanthini): taxonomic revision, phylogenetic relationships, and the Cenozoic history of New Caledonia. *Deutsche Entomologische Zeitschrift* (91 pp., 165 figs).
- 114.** Hajek, A.E., A. Gryganskyi, T. Bittner, J.K. Liebherr, J.H. Liebherr, A.B. Jensen, J.K. Moulton & R.A. Humber. Submitted. 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*.
- 113.** Bittner, T.D., A.E. Hajek & J.K. Liebherr. 2016. Associations among *Serropalpus substriatus* (Coleoptera: Melandryidae) and *Sirex* (Hymenoptera: Siricidae) communities. *Great Lakes Entomologist* (in press).
- 112.** Liebherr, J.K. 2015. The *Mecyclothorax* beetles (Coleoptera: Carabidae: Moriormorphini) of Haleakalā, Maui: Keystone of a hyperdiverse Hawaiian radiation. *ZooKeys* 522 (6074): 1-407 ([DOI: 10.3897/zookeys.544.6074](https://doi.org/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](https://doi.org/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* (DOI [10.1163/1876312X-45042124](https://doi.org/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: Moriomorhini) 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: Moriomorhini) 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 Tohiea. *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: Moriomorhini). *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 Moriomorhini 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: Moriomorhini) of West Maui, Hawaii: taxonomy, biogeography, and conservation. *Deutsche Entomologische Zeitschrift* 58(1): 15-76 (DOI: [dez0005d-1c_015-076](https://doi.org/10.1005/d-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.
90. Liebherr, J.K. 2008. Taxonomic revision of *Mecyclothorax* Sharp (Coleoptera: Carabidae) of Hawaii Island: abundant genitalic variation in a nascent island radiation. *Deutsche Entomologische Zeitschrift* 55: 19-78.
89. Hannam, J.J., J.K. Liebherr & A.E. Hajek. 2008. Climbing behavior and aphid predation by *Agonum muelleri* (Coleoptera: Carabidae). *Canadian Entomologist* 140: 203-207.
88. Hajek, A.E., J.J. Hannam, A.J. Bell, C. Nielsen & J.K. Liebherr. 2007. Distribution and abundance of Carabidae associated with soybean aphid, *Aphis glycines* L., populations in central New York. *Annals of the Entomological Society of America* 100: 876-886.
87. Liebherr, J.K. 2007[2006]. Taxonomic revision of the *Mecyclothorax* beetles (Coleoptera: Carabidae, Psydrini) of Molokai, Hawaii and recognition of areas of endemism on Kamakou Volcano. *Journal of the New York Entomological Society* 114: 179-281.
86. Short, A.E.Z. & J.K. Liebherr. 2007. Systematics and biology of the endemic water scavenger beetles of Hawaii (Coleoptera: Hydrophilidae, Hydrophilini). *Systematic Entomology* 32: 601-624.
85. Liebherr, J.K. 2007[2006]. Recognition and description of *Blackburnia kavanaughii*, new species (Coleoptera: Carabidae) from Kauai, Hawaii. *Journal of the New York Entomological Society* 114: 17-27.
84. Liebherr, J.K. & A.E.Z. Short. 2007[2006]. *Blackburnia riparia*, new species (Coleoptera: Carabidae, Platynini): a novel element in the Hawaiian riparian insect fauna. *Journal of the New York Entomological Society* 114: 1-16.
83. Liebherr, J.K. & P.D. Krushelnycky. 2007(on-line 2006). Unfortunate encounters? Novel interactions of native *Mecyclothorax*, alien *Trechus obtusus* (Coleoptera: Carabidae) and Argentine ant (*Linepithema humile*, Hymenoptera: Formicidae) across a Hawaiian landscape. *Journal of Insect Conservation* 11: 61-73 (doi 10.1007/s10841-006-9019-8).
82. Liebherr, J.K. 2006. Hawaiian *Blackburnia* beetles (Coleoptera, Carabidae, Platynini): patterns of specialization with implications for conservation. *Mitteilungen der Deutschen Gesellschaft für Allgemeine und Angewandte Entomologie* 15: 57-62.
81. Liebherr, J.K. 2006[2005]. New species of *Mecyclothorax* (Coleoptera: Carabidae, Psydrini) from Polipoli, Maui define an area of endemism on Haleakala Volcano, Hawaii. *Journal of the New York Entomological Society* 113: 97-128.
80. Schmidt, J. & J.K. Liebherr. 2006. *Agonum* (s. str.) *dorsostriatum* Fairmaire, 1888 und *Agonum* (s. str.) *humerosum* (Semenov, 1889) aus den Gebirgen West-Chinas: redeskriptionen, infraspezifische Variation und neue Daten zur Verbreitung (Coleoptera, Carabidae, Platynini). *Mitteilungen der Münchener Entomologische Gesellschaft* 95: 67-74.
79. Will, K.W. & J.K. Liebherr. [2005]2006. Removal of *Hannaphota distincta* Landin, 1955 (Coleoptera: Carabidae) from Pterostichini to Platynini. *Coleopterists Bulletin* 59: 448-449.

H. Contributed Book Chapters:

7. McHugh, J.V. & J.K. Liebherr. 2009. Coleoptera (beetles, weevils, fireflies), pp. 183-201. *In*: V.H. Resh & R.T. Cardé (eds.), *Encyclopedia of Insects*, 2nd edition. Academic Press, San Diego, CA.
6. Will, K.W., T.L. Erwin, D.R. Maddison & J.K. Liebherr. 2008. Foreword, pp. v-vi. *In*: Liebherr, J.K. & J.E. Rawlins (eds.). 2008. Contributions to Carabidology: A Celebration of Professor George E. Ball's 80th Birthday. *Ann. Carnegie Museum*.

I. Edited Volumes:

4. Liebherr, J.K. & J.E. Rawlins (eds.). 2008. Contributions to Carabidology: A Celebration of Professor George E. Ball's 80th Birthday. Annals of Carnegie Museum. 242 pp.

J. Reviews, notes, technical reports, electronic products:

23. Liebherr, J.K. & C.P. Ewing. 2015 (public comment period). Terrestrial Invertebrates, Beetles, Order Coleoptera. Fact Sheet, Hawaii's Comprehensive Wildlife Conservation Strategy, 4 pp..

22. Liebherr, J.K. (2014) Book Review: *The Insects: An Outline of Entomology, Fifth Edition*. 2014. P.J. Gullan and P.S. Cranston. John Wiley and Sons, Ltd., Chichester, West Sussex. xxv + 595 pp. US \$99.95. CUIIC website: <http://cuic.entomology.cornell.edu/news/review-of-gullan-and-cranston-s-fifth-edition-of-the-insects-an-outline-of-entomology.html>.

21. Hajek, A.E., J.J. Hannam, C. Nielsen, A.J. Bell, & J. K. Liebherr. 2009. Erratum: Distribution and abundance of Carabidae associated with soybean aphid, *Aphis glycines* L., populations in central New York (vol 100, pg 876, 2007) . Annals of the Entomological Society of America 102: 913.

20. Liebherr, J.K. 2008. Fauna of New Zealand (Ko te Aitanga Pepeke o Aotearoa) No. 60, Carabidae (Insecta: Coleoptera): synopsis of supraspecific taxa, by A. Larochelle and M.-C. Larivière (book review). New Zealand Journal of Zoology 35: 351-353.

19. Liebherr, J.K. 2007. Barefoot on Lava, by Neal Evenhuis (book review). Journal of the New York Entomological Society 114: 282-283.

18. Liebherr, J.K. 2006. Fauna of New Zealand (Ko te Aitanga Pepeke o Aotearoa) No. 53, Harpalini (Insecta: Coleoptera: Carabidae: Harpalinae), by A. Larochelle and M.-C. Larivière (book review). Journal of the New York Entomological Society 114: 92-93.

K. Scientific Presentations:

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.

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.

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.

M. Outreach:

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 CUIC; SnodWiggs Undergraduate Entomology Club, 21 April, 20 participants for 90 minutes.

2009. Collection tour emphasizing mission of CUIC; 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.

O. Courses taught (since 1983):

Spring 2016--Entom 3330, *Maggots, Grubs and Cutworms: Larval Insect Biology* (3-credits), 16 students plus 2 lecture audits.

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.

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

Hunter Reid, 2014-present.

Ryan St. Laurent, 2012-present

Malachi Davis, 2011.

Jamie Freeman, 2011-2014, butterfly farm docent, Costa Rica.

Sean Griffin, 2007-2011, graduate student, Rutgers University.

Elena Olsen, 2007-2011, graduate student University of Fribourg, Switzerland.

Whitney Larson, 2008-2010, sustainable energy NGO employee..

Mark Zolnowski, 2004-2009, Insect Biology concentrator.

Alison Meisner, 2004-2009, transfer student.

Q. Curatorial responsibilities:

As curator it is my responsibility to see that the Cornell University Insect Collection is run efficiently while maximizing the safekeeping of our specimens, and that valuable new material is added to our holdings. To aid in the first objective, I have visited as many entomological collections as practicable, so that I can observe their operating procedures, and pick up ideas useful for our operation. Field collecting of new material is the optimal way to achieve the second goal, and I have listed the major research collecting efforts I have undertaken since I started systematic research in the mid-1970's.

R. Entomological Collections Visited:

Academy of Natural Sciences, Philadelphia.

Africa Museum, Tervuren, Belgium.

American Entomological Institute, Gainesville, FL.

American Museum of Natural History, New York.

Australian Museum, Sydney.

Australian National Insect Collection, Canberra.

Bayern Zoologisches Staatssammlung, Munich.

Bernice P. Bishop Museum, Honolulu.

California Academy of Sciences, San Francisco.

California Department of Food and Agriculture, Sacramento.

California Insect Survey/Essig Museum of Entomology, University of California, Berkeley.

University of California, Davis.

Biosystematics Research Institute, AgricultureCanada, Ottawa.

Canterbury Museum, Christchurch, New Zealand.

Field Museum of Natural History,

ChicagoFlorida State Collection of Arthropods, Gainesville.

Frost Entomological Museum, Penn State University

Hawaii Department of Agriculture, Honolulu.

University of Hawaii, Manoa.

Hope Entomological Collections, Oxford University.

Instituto de Ecología, Jalapa, Veracruz.

Lincoln University Entomological Museum, New Zealand

Los Angeles County Museum, Los Angeles.

Museum für Naturkunde, Humboldt-Universität zu Berlin.

Museum of Comparative Zoology, Harvard University, Cambridge.

Museum of Zoology, University of Michigan, Ann Arbor.

Michigan State University, East Lansing.

Milwaukee Public Museum, Milwaukee.

Mississippi State University, Starkville.

Monte Bean Museum, Brigham Young University, Provo, Utah.

Museum National d'Histoire Naturelle, Paris.

National Museum of Natural History,

Smithsonian Institution, Washington, D.C.

The Natural History Museum, London.

Naturhistorisches Museum, Basel.

New Zealand Arthropod Collection, Auckland.

Museum of Biodiversity, The Ohio State University, Columbus.

Pennsylvania State University, University Park.

Puerto Rico Department of Natural Resources,
Rio Piedras.
Queensland Museum, Brisbane.
Joachim Schmidt Collection, Rostock.
Sächsisches Staatliches Museum für Tierkunde,
Dresden.
Snow Entomological Museum, University of
Kansas, Lawrence.
South Australian Museum, Adelaide.
Strickland Museum of Entomology, University
of Alberta, Edmonton.
Universidad Central de Venezuela, Maracay.
Universidad Nacional Autónoma de México,
Instituto de Zoología, Mexico City.
University of Arkansas, Fayetteville, Arkansas.
University of Iowa Natural History Museum,
Cedar Rapids.
University of Puerto Rico, Mayagüez.
University of Wisconsin, Madison.
Zoological Museum, University of Lund.
Zoological Museum, University of Copenhagen.

S. Field Research:

2006 (3.5 weeks) Tahiti, Moorea (w/ Curtis
Ewing & Dan Polhemus).
2008 (5 month sabbatic) 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) Pilbara, Western Australia (w/
Kip Will).