

CURRICULUM VITAE

JOHN THOMAS LONGINO

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EDUCATION

1978: B.S., Duke University, 1978 (graduation with distinction in zoology)

1984: Ph.D., University of Texas, Austin (Zoology, Major Professor L. E. Gilbert)

LANGUAGES

Fluent Spanish

PROFESSIONAL EXPERIENCE

2011- Professor, Department of Biology, the University of Utah (Associate Chair 2014-2017)

2014- Adjunct Professor, Department of Biology, Utah State University

2012- Adjunct Curator of Entomology, The Natural History Museum of Utah

1991-2011 Member of the Faculty, The Evergreen State College

1991-2005 Scientific Director, Arthropods of La Selva Project (National Science Foundation grant to Duke University, half-time position)

1989-1991 Adjunct Assistant Curator, Florida State Museum of Natural History (Allyn Museum of Entomology)

1985- Research Associate in Entomology, Los Angeles County Museum of Natural History

1989 Coordinator, Organization for Tropical Studies fundamentals course, "Tropical Biology, an Ecological Approach, 89-1."

1987-1991 Academic Director, Monteverde Tropical Biology Quarter, University of California Education Abroad Program

1984-1989 Assistant Research Biologist, University of California, Santa Barbara

1985-1987 Adjunct Lecturer, University of California, Santa Barbara

1980-1981 Research Assistant to L. E. Gilbert, University of Texas, Austin

1978 Laboratory Instructor, Entomology, Duke University

1977-1978 Research Assistant to H. M. Wilbur, Duke University

TEACHING (University of Utah)

Tropical Field Biology (Biol 5325, Summer field course, Costa Rica)

Entomology (Biol 5445)

Ecology and Evolution (Biol 3410)

Rain Forest Ecology and Conservation (Biol 3450)

Graduate courses (Biol 7964, Bootcamp, Speakerfest, Advanced Topics)

POST-DOCTORAL PERSONNEL

Michael Branstetter (2014-2016)

GRADUATE STUDENTS

Advisor for: Rodolfo Probst (current), Elaine Tan (current).

On committee of: Andrew Basinski (2012), Kaitlin M. Baudier (Drexel, 2017), Brendon Boudinot (UC Davis, 2020), Mark Chynoweth (2017), Sarah Gross (current), Monte Neate-Clegg (current), Katherine Noble (2019), Georgia Sinimbu (2015), Chris Thornton (2019), Keaton Tremble (current), Cecília Vieira (Utah State, current).

UNDERGRADUATE STUDENTS

Tobias Hays, John Jackson, Mac Pierce, Francisca Rodríguez Durst.

PROFESSIONAL SOCIETIES

Association for Tropical Biology and Conservation, Entomological Society of America, International Union for the Study of Social Insects, The International Society of Hymenopterists, Xerces Society, American Association for the Advancement of Science (AAAS).

COMMUNITY SERVICE

Editorial Board, *Insect Systematics and Diversity*, 2018-2019. Editorial Board, *Biotropica*, 1995 to 2006. Subject Editor, *Zootaxa*, 2004 to present. Advisory Committee Member, "Finding the Pattern" exhibit development, Museum of Science, Boston, 1997 to 1999. AAAS Member at Large, Section on Biological Sciences, 2001-2004. Reviewer for *Biodiversity and Conservation*, *Biological Conservation*, *Canadian Journal of Fisheries and Aquatic Sciences*, *Conservation Biology*, *Ecology*, *Ecological Applications*, *Ecology Letters*, *Journal of Applied Ecology*, *Journal of the New York Entomological Society*, *PNAS*, *Science*, *Studies on Neotropical Fauna and Environment*, *Naturwissenschaften*, *Zootaxa*.

Instructor for Ant Course (California Academy of Sciences), 2001-present.

La Selva Advisory Committee (La Selva Biological Station), 2006-2014.

University of Utah, University level: Academic Senate (2012-2015, 2020-2023); Executive Committee of Academic Senate (2013-2015); College of Science Dean's Kitchen Cabinet (2012-2014); Dean of College of Science search committee (2013), Funding Incentive Seed Grant Program Committee (2014-2017), Strategic Scheduling for Student Success (S4) committee (2014-2015), Senate Consolidated Hearing Committee (2016-present), Academic Senate Ad Hoc Committee on Safety of Minors (2016-2017), College of Science Council (2019-2021), University Research Committee (2018-2021), College of Science Convocation Committee (2020-2021).

University of Utah, School of Biology: Executive Committee (2012-2017), Graduate Program Committee (2012-2015), Curriculum Committee (2015-2017, Chair), Department Associate Chair (2014-2017), Undergraduate Student Advisory Committee (Chair, 2016-2017), TGIF/Fusion (2018-2019), Graduate Recruiting and Admissions (2019-2020), RPT Committee (Chair, 2020-2021).

Outreach: guest lectures, University of Utah INSPIRE program (Initiative to Bring Science Programs to the Incarcerated), "Go to the Ant", Salt Lake County Jail, 14 Aug 2014; Draper Prison, 17 Feb 2015. "Ant expert discovers new Utah species in backyard" (interview, KSL radio, Salt Lake City, 13 Nov 2019). Constant Wonder (interview; BYU radio; 16 Nov 2019). "This scientist discovered an ant species in his own backyard" (Discover Magazine, 18 June 2021).

AWARDS

Edward Horn Award in Zoology, Duke University, 1978.

National Science Foundation Graduate Fellowship to the University of Texas, Austin, 1978.

E. O. Wilson Naturalist Award, American Society of Naturalists, 2006.

RESEARCH SUPPORT

National Science Foundation Dissertation Improvement Grant (L. E. Gilbert, Advisor)	1981-1983	\$3,300
National Geographic Society Research Grant: "Systematics and Nesting Habits of <i>Crematogaster</i> (Hymenoptera, Formicidae)"	1984	\$7,170
National Geographic Society / Organization for Tropical Studies Research Grant: "An Ant-Transect in the Zona Protectora"	1985	\$1,520
National Science Foundation Facilities Improvement Grant to the Los Angeles County Museum of Natural History (portion of grant pertaining to taxonomy and curation of Costa Rican ants)	1985-1991	\$18,000
National Geographic Society Research Grant: "Museum Study of the Ants of Costa Rica"	1989	\$4,500
National Science Foundation Grant: "Arthropod Diversity in a Lowland Tropical Rainforest"	1991-1994	\$385,920
National Geographic Society Research Grant: "The Attini of Costa Rica"	1992	\$8,000
The Evergreen State College, Sponsored Research Award: "Streamlining the use of Metric Characters in Ant Systematics"	1992	\$3,641
The Evergreen State College, Sponsored Research Award for research on Costa Rican ants	1993	\$3,000
The Evergreen State College, Sponsored Research Award for research on Costa Rican ants	1994	\$3,000
National Science Foundation Grant: "Arthropod Diversity in a Lowland Tropical Rainforest II"	1995-1996	\$365,000
National Science Foundation Grant: "Arthropod Diversity in a Lowland Tropical Rainforest III"	1997-2000	\$350,000
National Science Foundation Grant: LTLSI: ALAS IV, a long-term, large-scale inventory of rainforest arthropods.	2000-2005	\$959,075
National Science Foundation Grant: MRI: Acquisition of Microscopy Instrumentation for Multi-Disciplinary Research and Research Training.	2002-2005	\$182,868

National Geographic Society Research Grant: "Arthropod biodiversity from rain forest to cloud forest."	2002-2003	\$35,408
National Geographic Society Research Grant: "Arthropod biodiversity from rain forest to cloud forest II."	2004-2005	\$36,608
National Science Foundation Grant: Leaf Litter Arthropods of Mesoamerica (LLAMA)	2007-2012	\$650,000
National Science Foundation Grant: Ant Diversity of the MesoAmerican Corridor (ADMAC)	2014-2018	\$646,119
National Geographic Society Research Grant: "Ant Diversity of the MesoAmerican Corridor (ADMAC)."	2014-2015	\$15,900
National Science Foundation Grant: Ants of the World (lead proposal of \$1,259,159 collaborative project)	2019-2022	\$250,892

FIELD EXPERIENCE

United States (California, Texas, east coast, Pacific Northwest, Utah), Mexico, Costa Rica (annual research and teaching since 1979), Guatemala, Honduras, Nicaragua, Colombia, Venezuela, Guyana, Ecuador, Jamaica, Europe (examination of type specimens), Australia, Borneo, Uganda, Mozambique, French Guiana.

RESEARCH IN PROGRESS

Taxonomic and faunistic studies of Neotropical ants; ant macroecology, molecular systematics of ants.

TALKS, PRESENTED PAPERS, AND WORKSHOPS

Ecological Society of America symposium on Ant/Plant Interactions, Columbus, Ohio, 1987: "Distribution and colony foundation of *Cecropia*-inhabiting ants in Costa Rica." Invited paper.

Departments of Plant Sciences and Zoology, Oxford University and The Linnean Society of London symposium, Interactions between Ants and Plants, Oxford, 1989: "The *Azteca-Cecropia* association in the northern Neotropics." Invited paper.

Tahoma Chapter of Sigma Xi, The Evergreen State College, April 1992: "Ant-plant interactions in the tropics." Public lecture.

Science as a Way of Knowing Symposium, American Society of Zoologists Annual Meeting, Vancouver, British Colombia, 1992: "How to measure arthropod diversity in a tropical rainforest." Invited paper.

Department of Biology, University of Costa Rica, 12 April 1994: "Interaction of *Cecropia* and *Azteca* in Costa Rica." Invited seminar.

Association for Tropical Biology, Annual Meeting, Guadalajara, Mexico, 8 June 1994: "Arthropods of La Selva project: a laboratory for biodiversity estimation and inventory methodology." Contributed paper.

Forest Canopies: Ecology, Biodiversity and Conservation, Marie Selby Botanical Gardens, Nov 1994:

"Species richness of ants (Formicidae) in a tropical forest canopy, using insecticidal fogging and richness estimation procedures." Invited paper.

Entomological Society of America Annual Meeting, Dallas, Texas, December 1994: "Ant community of La Selva Biological Station: preliminary results from Project ALAS." Invited symposium paper.

National Biodiversity Institute of Costa Rica, Taxonomic Working Group (Hymenoptera), invited workshop participant, 8-17 February 1995, San José, Costa Rica.

International Institute of Entomology, Biostatistical aspects of the measurement and monitoring of the biodiversity of insects, invited workshop participant, 3-5 May 1995, London, England.

Association for Tropical Biology Annual Meeting, Providence, Rhode Island, August 1996, "Quantitative inventory of a lowland rainforest ant fauna." Contributed paper.

National Science Foundation (Biotic Inventories and Survey Program) workshop: Measuring and Monitoring Biological Diversity: Standard Methods for Ants. Ilheus, Brazil, August 1996. Invited participant.

University of Oklahoma, Department of Zoology, August 1998: Quantitative inventory of arthropod biodiversity; taking stock of rainforest ants. Invited seminar.

21st International Congress of Entomology, Iguassu Falls, Brazil, 20-26 August 2000. Estimating the arboreal component of the ant community (Hymenoptera: Formicidae) in a Costa Rican rainforest. Invited symposium presentation.

Association for Tropical Biology Annual Meeting, Bangalore, India, July 2001, "The ant fauna of a tropical rainforest: estimating species richness three different ways." Contributed paper.

The Ant Course (California Academy of Sciences), Southwest Research Station, 2001. Invited course instructor.

Association for Tropical Biology Annual Meeting, Panama, July 2002, "Secondary losses of defensive chemistry in ants." Contributed paper by D. W. Davidson, D. Daloz, T. Jones, J. T. Longino.

Association for Tropical Biology Annual Meeting, Panama, July 2002, "Biodiversity of Tropical Rainforest Bark Beetles and Timber Borers: Results from an Intensive Survey." Contributed paper by L. R. Kirkendall, J. T. Longino.

The Ant Course (California Academy of Sciences), Southwest Research Station, 2002. Invited course instructor.

The Entomological Collections Network Annual Meeting, Fort Lauderdale, Florida, November 2002. "Order from chaos: specimen management in a major tropical biodiversity inventory." Invited symposium presentation.

The Ant Course (California Academy of Sciences), Southwest Research Station, 2003. Invited course instructor.

The Ant Course (California Academy of Sciences), La Selva Biological Station, Costa Rica, 2004. Invited course instructor.

Entomological Society of America Annual Meeting, Salt Lake City, Utah. November 2004. "Arthropod Diversity at La Selva Biological Station: Results from Project ALAS" [symposium organizer and moderator]; "Historical and methodological overview of the ALAS Project" [symposium presentation] and "Assessing rainforest arthropod biodiversity: Synthesis and summary" [symposium presentation by R. K. Colwell and J. T. Longino].

The Ant Course (California Academy of Sciences), Southwest Research Station, 2005. Invited course instructor.

Entomological Society of America Annual Meeting, Fort Lauderdale, Florida. December 2005. "Complex nesting behavior by two neotropical species of the ant genus *Stenammas* (Hymenoptera: Formicidae)." Contributed paper.

Conservation International - TEAM Network All Scientist Meeting, 10-14 February 2006, Iguassu, Brazil. Invited participant.

International Union for the Study of Social Insects, XV International Congress, Washington, D.C., August 2006. "Avatars of rarity: a proposal to increase the spatial scale of leaf litter ant sampling." Invited symposium presentation.

The Ant Course (California Academy of Sciences), James Cook University, Cairns, Australia, 2006. Invited course instructor.

Entomological Society of America Annual Meeting, Indianapolis, Indiana. December 2006. "Tropical Arthropod Diversity from Sea-level to Cloud Forest: Project ALAS results from the Barva Transect" [symposium organizer and moderator]; "Five years and five elevations: methodology of the Barva Transect sampling" [symposium presentation], "Richness and faunal turnover of ants (Hymenoptera, Formicidae) on the Barva Transect" [symposium presentation], and "Arthropod species richness, turnover, and elevation: multitaxon comparison on the Barva Transect" [symposium presentation by R. K. Colwell and J. T. Longino].

University of California, Davis, Department of Entomology, 2007: Ant diversity on a tropical mountainside. Invited seminar.

The Ant Course (California Academy of Sciences), Southwest Research Station, 2007. Invited course instructor.

The Entomological Collections Network Annual Meeting, San Diego California, December 2007. "Freeing the genie: making the specimen-cyberspace connection." Invited symposium presentation.

Entomological Society of America Annual Meeting, San Diego, California. December 2007. "The hyperdiverse ant genus *Pheidole*: a status report." Contributed paper.

The Ant Course (California Academy of Sciences), Universidad Central de Venezuela, 2008. Invited course instructor.

Entomological Society of America Annual Meeting, Reno, Nevada. December 2008. "The Leaf-Litter Arthropods of Mesoamerica (LLAMA) Project: Results for Chiapas, Mexico." Contributed paper.

The Ant Course (California Academy of Sciences), Southwest Research Station, 2009. Invited course instructor.

Entomological Society of America Annual Meeting, Indianapolis, Indiana. December 2009. "The Leaf-Litter Arthropods of Mesoamerica (LLAMA) Project: Results for Guatemala." Contributed paper.

The Ant Course (California Academy of Sciences), Danum Valley Research Station, Borneo (Sabah), Malaysia, 2010. Invited course instructor.

Entomological Society of America Annual Meeting, San Diego, California. December 2010. "Littermania in Honduras: Project LLAMA 2010 Field Season." Contributed paper.

The Entomological Collections Network Annual Meeting, San Diego California, December 2010. "From field data to data fields." Invited symposium presentation.

The Ant Course (California Academy of Sciences), Southwest Research Station, 2011. Invited course instructor.

Entomological Society of America Annual Meeting, Reno, Nevada. November 2011. "Highs and lows of Chiapas ant diversity (Hymenoptera; Formicidae)." Contributed paper.

The Entomological Collections Network Annual Meeting, Reno, Nevada. November 2011. "Biota: putting real specimen identifiers at the center." Contributed paper.

The Ant Course (California Academy of Sciences), Kibale Forest National Park, Uganda, August 2012. Invited course instructor.

Entomological Society of America Annual Meeting, Knoxville, Tennessee. November 2012. "Litter ants from Chiapas to Nicaragua: highlights from the LLAMA project." Contributed paper.

The Entomological Collections Network Annual Meeting, Knoxville, Tennessee. November 2012. "Keep the cash flowing: specimens as currency." Contributed paper.

University of Guelph, Integrative Biology Seminar Series, March 2013: Some like it cold: ants on tropical mountains. Invited seminar.

Association for Tropical Biology and Conservation Annual Meeting, Costa Rica, July 2013, organizer of symposium "Ecology, evolution, and conservation of tropical insects," with contributed paper "Neotropical ants."

XXI Simpósio de Mirmecologia, Fortaleza, CE, Brazil. 1-5 December 2013. "Tropical Montane Ants: Taxonomic and Ecological Approaches" and "Rainforest ants revealed: a Project ALAS retrospective." Invited speaker.

University of Costa Rica, Department of Biology, May 2014: Patrones altitudinales de diversidad en hormigas de MesoAmerica. Invited seminar.

The Ant Course (California Academy of Sciences), Maliau Basin, Borneo (Sabah), Malaysia, 2014. Invited course instructor.

Entomological Society of America Annual Meeting, Portland, Oregon. November 2014. "Project ADMAC: ant diversity of the Mesoamerican corridor." Contributed paper.

University of Georgia, Department of Entomology, March 2015: Ants and Elevation in MesoAmerica. Invited seminar.

Instituto de Ecología, Xalapa, Mexico, March 2015: Patrones altitudinales de diversidad en hormigas de MesoAmerica. Invited seminar.

University of California, Davis, Department of Entomology, May 2015: Project ADMAC: ant diversity of the Mesoamerican corridor. Invited seminar.

The Ant Course (California Academy of Sciences), Southwest Research Station, Arizona, August 2015. Invited course instructor.

25st International Congress of Entomology, Orlando, Florida, USA, 25-30 September 2016. Tropical cloud forest ants: who are they and where did they come from? Invited symposium presentation.

University of Utah College of Science, Science Night Live, Salt Lake City, 2 November 2016. Chasing demonic ants in Mayan ruins, and other stories. Invited public lecture.

Universidad de Magdalena, Santa Marta, Colombia, 25-31 May 2017: Taller de Taxonomía de las hormigas *Pheidole*. Invited workshop instructor.

Universidad de Guadalajara, Jalisco, Mexico, 26-30 June 2017: *Pheidole* de México: diversidad, taxonomía y determinación. Invited workshop instructor.

XXIII Simpósio de Mirmecologia, Curitiba, Brazil. 24-27 October 2017. "Illumina-ting alpha taxonomy" Invited speaker.

The Ant Course (California Academy of Sciences), Nouragues Field Station, French Guiana, August 2018. Invited course instructor.

Entomological Society of America Annual Meeting, Vancouver, BC, Canada. November 2018. "A new era of high-resolution taxonomy for Middle American ants." Invited symposium paper.

University of California, Riverside, Department of Entomology, 20 May 2019: Disappearing ant species: the figurative and the literal. Invited seminar.

Instituto de Ecología, Xalapa, Mexico, 10-11 June 2019: Proyecto ADMAC: Resultados de Veracruz y Oaxaca. Inaugural talk at the IV Reunión de Formicidae, México.

University of Costa Rica, Department of Biology, 13 Feb 2020: Sistemática mas clara con UCEs, el caso de la hormiga *Adelomyrmex*. Invited seminar.

Entomological Society of America Annual Meeting, on-line. November 2020. "Global advances in ant phylogenomics" [symposium organizer]; "Middle America ant biogeography revealed: Highlights of Project ADMAC" [symposium presentation].

University of Utah, School of Biology, 28 January 2021: Describing nature, describing ants. Faculty seminar.

University of Florida, Department of Biology, 16 February 2021: Describing nature, describing ants. Invited seminar.

PUBLICATIONS

1. Mallet, J., and J. T. Longino. 1982. Hostplant records and descriptions of juvenile stages for two rare species of *Eueides* (Nymphalidae). *Journal of the Lepidopterists Society* 36:136-144.
2. Longino, J. T. 1984. True anting in the capuchin, *Cebus capucinus*. *Primates* 25:243-245.
3. Longino, J. T. 1986. Ants provide substrate for epiphytes. *Selbyana* 9:100-103.
4. Longino, J. T. 1986. A negative correlation between growth and rainfall in a tropical liana. *Biotropica* 18:195-200.
5. Mallet, J., J. T. Longino, D. Murawski, A. Murawski, and A. Simpson de Gamboa. 1987. Handling effects in *Heliconius*: where do all the butterflies go? *Journal of Animal Ecology* 56:377-386.
6. Longino, J. T. and J. Wheeler. 1987. Ants in live oak galls in Texas. *National Geographic Research* 3:125-127.
7. Wheeler, J. and J. T. Longino. 1988. Arthropods in live oak galls in Texas. *Entomological News* 99:25-29.
8. Davidson, D. W., J. T. Longino, and R. R. Snelling. 1988. Pruning of host plant neighbors by ants: an experimental approach. *Ecology* 69:801-808.
9. Longino, J. T. 1988. Notes on the taxonomy of the neotropical ant genus *Thaumatomyrmex* Mayr (Hymenoptera: Formicidae), PP. 35-42 In J. C. Trager (ed.), *Advances in Myrmecology*. E. J. Brill, New York.
10. Davidson, D. W., R. R. Snelling, and J. T. Longino. 1989. Competition among ants for myrmecophytes and the significance of plant trichomes. *Biotropica* 21:64-73.
11. Longino, J. T. 1989. Geographic variation and community structure in an ant-plant mutualism: *Azteca* and *Cecropia* in Costa Rica. *Biotropica* 21:126-132.
12. Longino, J. T. 1989. Taxonomy of the *Cecropia*-inhabiting ants in the *Azteca alfari* species group: evidence for two broadly sympatric species. *Contributions in Science* 412:1-16.
13. Harvey, D. J. and J. T. Longino. 1989. Myrmecophily and larval food plants of *Brephidium isophthalma pseudofea* (Lycaenidae) in the Florida Keys. *Journal of the Lepidopterists Society* 43:332-333.
14. Nadkarni, N. M. and J. T. Longino. 1990. Invertebrates in canopy and ground organic matter in a neotropical montane forest, Costa Rica. *Biotropica* 22:286-289.
15. Longino, J. T. and N. M. Nadkarni. 1990. A comparison of ground and canopy leaf litter ants (Hymenoptera: Formicidae) in a neotropical montane forest. *Psyche* 97:81-93.
16. Longino, J. T. 1991. *Azteca* ants in *Cecropia* trees: taxonomy, colony structure, and behavior, PP. 271-288 In C. Huxley and Cutler, D. (Eds), *Ant-Plant Interactions*, Oxford University Press.
17. Longino, J. T. 1991. Taxonomy of the *Cecropia*-inhabiting *Azteca* ants. *Journal of Natural History* 25:1571-1602.

18. Snelling, R. R. and J. T. Longino. 1992. Revisionary notes on the fungus-growing ants of the genus *Cyphomyrmex*, *rimosus* group (Hymenoptera: Formicidae). PP 479-494 In D. Quintero and A. Aiello (Eds.), *Insects of Panama and Mesoamerica, Selected Studies*. Oxford University Press, Oxford.
19. Longino, J. T. 1993. The art and science of taxonomy. *National Geographic Research* 9(1):80-85.
20. Matelson, T. J., N. M. Nadkarni, and J. T. Longino. 1993. Survivorship of fallen epiphytes in a neotropical cloudforest, Monteverde, Costa Rica. *Ecology* 74:265-269.
21. Longino, J. T. 1994. How to measure arthropod diversity in a tropical rainforest. *Biology International* 28:3-13.
22. Longino, J. T. 1994. The chimerical balance of nature, a review of Ricklefs, R. E., and D. Schluter (eds.). 1993. *Species Diversity in Ecological Communities: Historical and Geographical Perspectives*. University of Chicago Press, Chicago, Illinois, USA. *Vida Silvestre Neotropical* 3:55-56.
23. Deinert, E. I., J. T. Longino, L. E. Gilbert 1994. Mate competition in butterflies. *Nature* 370:23-24.
24. Longino, J. T., and D. A. Hartley 1995 (1994). *Perissomyrmex snyderi* (Hymenoptera, Formicidae) is native to Central America and exhibits worker polymorphism. *Psyche* (Harvard) 101:195-202.
25. Longino, J. T., and P. Hanson. 1995. The ants (Formicidae). Pp. 588-620 in P. Hanson and I. Gauld, eds. *The Hymenoptera of Costa Rica*. Oxford University Press, Oxford, U.K.
26. Ayala, F. J., J. K. Wetterer, J. T. Longino, and D. L. Hartl. 1996. Molecular phylogeny of *Azteca* ants (Hymenoptera: Formicidae) and the colonization of *Cecropia* trees. *Molecular Phylogenetics and Evolution* 5:423-428.
27. Longino, J. T. 1996. Taxonomic characterization of some live-stem inhabiting *Azteca* (Hymenoptera: Formicidae) in Costa Rica, with special reference to the ants of *Cordia* (Boraginaceae) and *Triplaris* (Polygonaceae). *Journal of Hymenoptera Research* 5:131-156.
28. Longino, J. T., R. K. Colwell. 1997. Biodiversity assessment using structured inventory: capturing the ant fauna of a lowland tropical rainforest. *Ecological Applications* 7:1263-1277.
29. Longino, J. T. 1999. Review of S. W. Taber, 1998, *The World of Harvester Ants*, Texas A&M University Press. *American Entomologist* 45:128.
30. Longino, J. T. 2000. Myrmecophytes. Pp. 291-293 In N. M. Nadkarni and N. T. Wheelwright (Eds.). *Monteverde: ecology and conservation of a tropical cloud forest*. Oxford University Press, New York, New York.
31. Longino, J. T. 2000. The ants of Monteverde. Pp. 132-136 In N. M. Nadkarni and N. T. Wheelwright (Eds.). *Monteverde: ecology and conservation of a tropical cloud forest*. Oxford University Press, New York, New York.
32. Longino, J. T. 2000. Paint-by-numbers ecology (review of Sayre, R. *et al.* 2000. *Nature in focus: rapid ecological assessment*). *Ecology* 81:2646-2647.

33. Longino, J. T. 2000. What to do with the data. Pp. 186-203 *In* D. Agosti, J. D. Majer, L. E. Alonso and T. R. Schultz (Ed.). *Ants: Standard Methods for Measuring and Monitoring Biodiversity*, Smithsonian Institution Press, Washington, D.C., USA.
34. Wetterer, J. K., P. S. Ward, A. L. Wetterer, J. T. Longino, J. C. Trager, and S. E. Miller. 2000. Ants (Hymenoptera: Formicidae) of Santa Cruz Island, California. *Bulletin of the Southern California Academy of Sciences* 99:25-31.
35. Colwell, R., J. Longino, D. Brenes, N. Oconitrillo, M. Paniagua, R. Vargas. 2001. Los artrópodos: protagonistas en la estimación y conservación de la biodiversidad. Recuadro 3.4 en R. Primack, R. Rozzi, P. Feinsinger, R. Dirzo, F. Massardo. *Conservación biológica*. Fondo de Cultura Económica, México.
36. Kaspari, M., J. Pickering, J. T. Longino, and D. Windsor. 2001. The phenology of a Neotropical ant assemblage: evidence for continuous and overlapping reproduction. *Behavioral Ecology and Sociobiology* 50:382–390.
37. Longino, J. T., R. K. Colwell, J. Coddington. 2002. The ant fauna of a tropical rainforest: estimating species richness three different ways. *Ecology* 83:689-702.
38. Longino, J. T., R. R. Snelling. 2002. A taxonomic revision of the *Procryptocerus* (Hymenoptera: Formicidae) of Central America. *Contributions in Science (Los Angeles County Museum of Natural History)* 495-1-30.
39. Barbera, N., L. Hilje, P. Hanson, J. T. Longino, M. Carballo, and E. de Melo. 2002. Diversidad de hormigas en sistemas agroforestales de café contrastantes, en Turrialba, Costa Rica. *Agroforestería en las Américas (Costa Rica)* 9(35-36):75-80.
40. Longino, J. T. 2003. The *Crematogaster* (Hymenoptera, Formicidae, Myrmicinae) of Costa Rica. *Zootaxa* 151:1-150.
41. Furth, D. G., J. T. Longino, and M. Paniagua. 2003. Survey and quantitative assessment of flea beetle diversity in a Costa Rican rainforest (Coleoptera: Chrysomelidae: Alticinae). Pp. 1-23 *in* D. G. Furth, editor. *Topics in Leaf Beetle Biology: Proceedings of the Fifth International Symposium on the Chrysomelidae, 25-27 August 2000, Iguassu Falls, Brazil*. XXI International Congress of Entomology. Pensoft Publishers, Moscow.
42. Longino, J. T. 2003. A new Costa Rican species of *Leptanilloides* (Hymenoptera: Formicidae: doryline section: Leptanilloidinae). *Zootaxa* 264:1-6.
43. Longino, J. T. 2004. Arthropods of the tropical canopy (and elsewhere) (review of Basset, Y. *et al.* 2003. *Arthropods of tropical forests: spatio-temporal dynamics and resource use in the canopy.*). *Ecology* 85:1168-1169.
44. Saporito, R. A., H. M. Garraffo, M. A. Donnelly, A. L. Edwards, J. T. Longino, and J. W. Daly. 2004. Formicine ants: An arthropod source for the pumiliotoxin alkaloids of dendrobatid poison frogs. *Proceedings of the National Academy of Sciences, USA* 101:8045-8050.
45. Schonberg, L., J. T. Longino, N. M. Nadkarni, S. P. Yanoviak, J. C. Gering. 2004. Arboreal Ant Species Richness in primary, secondary forest and pasture habitats of a tropical montane landscape. *Biotropica* 36:402-409.

46. Longino, J. T., and S. Cover. 2004. A Revision of the *Aphaenogaster phalangium* complex (Hymenoptera: Formicidae: Myrmicinae). *Zootaxa* 655:1-12.
47. Dubovikoff, D. A., and J. T. Longino. 2004. A new species of the genus *Bothriomyrmex* Emery, 1869 (Hymenoptera: Formicidae: Dolichoderinae) from Costa Rica. *Zootaxa* 776:1-10.
48. Barbera, N., L. Hilje, P. Hanson, J. T. Longino, M. Carballo, and E. de Melo. 2004. Diversidad de especies de hormigas en un gradiente de cafetales orgánicos y convencionales. *Manejo Integrado de Plagas y Agroecología (Costa Rica)* 72:60-71.
49. Longino, J. T. 2005. Complex nesting behavior by two neotropical species of the ant genus *Stenammas* (Hymenoptera: Formicidae). *Biotropica* 37:670-675. [Editors' Choice in Science (23 January 2006)]
50. Longino, J. T. 2006. A taxonomic review of the genus *Myrmelachista* (Hymenoptera: Formicidae) in Costa Rica. *Zootaxa* 1141:1-54.
51. LaPolla, J. S., and J. T. Longino. 2006. An unusual new *Brachymyrmex* Mayr (Hymenoptera: Formicidae) from Costa Rica, with implications for the phylogeny of the Lasiine tribe group. *Proceedings of the Entomological Society of Washington* 108:297-305.
52. Longino, J. T. 2006. New species and nomenclatural changes for the Costa Rican ant fauna (Hymenoptera: Formicidae). *Myrmecologische Nachrichten* 8:131-143.
53. Hanson, P., and J. T. Longino. 2006. Las hormigas (Formicidae). Pages 644-694 in P. Hanson and I. Gauld, editors. *Hymenoptera de la Región Neotropical*. The American Entomological Institute, Gainesville, Florida, USA.
54. Adams, R. M. M., and J. T. Longino. 2007. Nesting biology of the arboreal fungus-growing ant *Cyphomyrmex cornutus* and behavioral interactions with the social-parasitic ant *Megalomyrmex mondabora*. *Insectes Sociaux* 54:136-143.
55. Longino, J. T. 2007. A taxonomic review of the genus *Azteca* (Hymenoptera: Formicidae) in Costa Rica and a global revision of the *aurita* group. *Zootaxa* 1491:1-63.
56. Longino, J. T., and F. Fernández C. 2007. A taxonomic review of the genus *Wasmannia*. Pages 271-289 in R. R. Snelling, B. L. Fisher, and P. S. Ward, editors. *Advances In Ant Systematics (Hymenoptera: Formicidae): Homage To E. O. Wilson – 50 Years Of Contributions*. *Memoirs of the American Entomological Institute*, 80.
57. Dunn, R. R., N. J. Sanders, M. C. Fitzpatrick, E. Laurent, J.-P. Lessard, D. Agosti, A. N. Andersen, C. Bruhl, X. Cerda, A. M. Ellison, B. L. Fisher, H. Gibb, N. J. Gotelli, A. Gove, B. Guenard, M. Janda, M. Kaspari, J. T. Longino, J. Majer, T. P. McGlynn, S. B. Menke, C. L. Parr, S. M. Philpott, M. Pfeiffer, J. Retana, A. V. Suarez, and H. L. Vasconcelos. 2007. Global ant (Hymenoptera: Formicidae) biodiversity and biogeography – a new database and its possibilities. *Myrmecological News* 10:77-83.
58. Varón-Devia, E. H., P. Hanson, J. Longino, O. Borbón-Martínez, M. Carballo-Vargas, L. Hilje. 2007. Distribución temporal y espacial de hormigas en una gradiente ligera, en un sistema agroforestal de café, Turrialba, Costa Rica. *Revista de Biología Tropical* 55:943-956.

59. Longino, J. T. 2007. Tropical insect diversity - How to sample it. Pages 35-58 in Del Claro, K., P. S. Oliveira, and V. Rico-Gray editors. Tropical Biology and Conservation Management, Volume 11. Encyclopedia of Life Support Systems (EOLSS), Developed under the Auspices of the UNESCO, Eolss Publishers, Paris, France, [<http://www.eolss.net>].
60. Colwell, R. K., G. Brehm, C. L. Cardelús, A. C. Gilman, J. T. Longino. 2008. Global warming, elevational range shifts, and lowland biotic attrition in the wet tropics. *Science* 322:258-261.
61. Herrera, H., J. T. Longino. 2008. New records of introduced ants (Hymenoptera; Formicidae) in the Galapagos Islands. *Galapagos Research* 65:16-19.
62. Longino, J. T., D. J. Cox. 2009. *Pheidole bilimeki* Reconsidered (Hymenoptera: Formicidae). *Zootaxa* 1985:34-42.
63. Quinet, Y., R. Hamidi, M. X. Ruiz-Gonzalez, J.-C. de Biseau, and J. T. Longino. 2009. *Crematogaster pygmaea* (Hymenoptera: Formicidae: Myrmicinae), a highly polygynous and polydomous *Crematogaster* from northeastern Brazil. *Zootaxa* 2075:45-54.
64. Sosa-Calvo, J., and J. T. Longino. 2008. Subfamilia Proceratiinae. Pages 219-237 in E. Jiménez, F. Fernández, T. M. Arias, and F. H. Lozano-Zambrano, editors. Sistemática, Biogeografía y Conservación de las Hormigas Cazadoras de Colombia. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt, Bogotá, D. C., Colombia.
65. Kathirithamby, J., S.J. Taylor, and J.T. Longino. 2009. New host record for *Caenocholax fenyessi sensu lato* (Strepsiptera: Myrmecolacidae) from Costa Rica. *Pan-Pacific Entomologist* 85: 8-10.
66. Kumar, A., J. T. Longino, R. K. Colwell, and S. O'Donnell. 2009. Elevational patterns of diversity and abundance of eusocial paper wasps (Vespidae) in Costa Rica. *Biotropica* 41:338-346.
67. Longino, J. T. 2009. Additions to the taxonomy of New World *Pheidole* (Hymenoptera: Formicidae). *Zootaxa* 2181:1-90.
68. Longino, J. T., and G. C. Snelling. 2009. An inordinate fondness for things that sting. *Journal of Hymenoptera Research* 18:125-135.
69. McNett, K., J. Longino, P. Barriga, O. Vargas, K. Phillips, and C. L. Sagers. 2010. Stable isotope investigation of a cryptic ant-plant association: *Myrmelachista flavocotea* (Hymenoptera, Formicidae) and *Ocotea* spp. (Lauraceae). *Insectes Sociaux* 57:67-72.
70. Groc, S., J. H. C. Delabie, J. T. Longino, J. Orivel, J. D. Majer, H. L. Vasconcelos, and A. Dejean. 2010. A new method based on taxonomic sufficiency to simplify studies on Neotropical ant assemblages. *Biological Conservation* 143:2832-2839.
71. Longino, J. T. 2010. Biodiversity mapping: the 'John Gould' component of tropical biology. *Biotropica* 42:543-545.
72. Longino, J. T. 2010. A taxonomic review of the ant genus *Megalomyrmex* Forel (Hymenoptera: Formicidae) in Central America. *Zootaxa* 2720:35-58.

73. Weiser, M. D., N. J. Sanders, D. Agosti, A. N. Andersen, A. M. Ellison, B. L. Fisher, H. Gibb, N. J. Gotelli, A. D. Gove, K. Gross, B. Guénard, M. Janda, M. Kaspari, J.-P. Lessard, J. T. Longino, J. D. Majer, S. B. Menke, T. P. McGlynn, C. L. Parr, S. M. Philpott, J. Retana, A. V. Suarez, H. L. Vasconcelos, S. P. Yanoviak, and R. R. Dunn. 2010. Canopy and litter ant assemblages share similar climate-species density relationships. *Biology Letters* 6:769-772.
74. Laurance, W. F., et al. 2011. Global warming, elevational ranges and the vulnerability of tropical biota. *Biological Conservation* 144:548-557.
75. Longino, J. T., R. K. Colwell. 2011. Density compensation, species composition, and richness of ants on a Neotropical elevation gradient. *Ecosphere* 2:art29.
76. Jacobs, J. M., J. T. Longino, and F. J. Joyce. 2011. Ants of the Islas Murciélago: an inventory of the ants on tropical dry forest islands in northwest Costa Rica. *Tropical Conservation Science* 4:149-171.
77. Veijalainen, A., G. Broad, N. Wahlberg, J. Longino, and I. Sääksjärvi. 2011. DNA barcoding and morphology reveal two common species in one: *Pimpla molesta* stat. rev. separated from *P. croceipes* (Hymenoptera, Ichneumonidae). *ZooKeys* 124:59-70.
78. Borowiec, M. L., and J. T. Longino. 2011. Three new species and reassessment of the rare Neotropical ant genus *Leptanilloides* (Hymenoptera, Formicidae, Leptanilloidinae). *Zookeys* 133:19-48.
79. Fitzpatrick, MC; Sanders, NJ; Ferrier, S; Longino, JT; Weiser, MD; Dunn, R, et al. 2011. Forecasting the future of biodiversity: a test of single- and multi-species models for ants in North America. *Ecography* 34:836-847.
80. Colwell, R. K., A. Chao, N. J. Gotelli, S. Lin, C. X. Mao, R. L. Chazdon, and J. T. Longino. 2012. Models and estimators linking individual-based and sample-based rarefaction, extrapolation, and comparison of assemblages. *Journal of Plant Ecology* 5:3-21.
81. Longino, J. T. 2012. Conserved wildlands still count (review of Alonso, L. *et al.* 2011. Still counting... biodiversity exploration for conservation: the first 20 years of the Rapid Assessment Program). *Ecology* 93:1761-1762.
82. Longino, J. T. 2012. A review of the ant genus *Adelomyrmex* Emery 1897 (Hymenoptera, Formicidae) in Central America. *Zootaxa* 3456:1-35.
83. Veijalainen, A., N. Wahlberg, G. R. Broad, T. L. Erwin, J. T. Longino, and I. E. Sääksjärvi. 2012. Unprecedented ichneumonid parasitoid wasp diversity in tropical forests. *Proceedings of the Royal Society B: Biological Sciences* 279:4694-4698. doi: 10.1098/rspb.2012.1664
84. Veijalainen, A., I. E. Sääksjärvi, T. L. Erwin, I. C. Gómez, and J. T. Longino. 2013. Subfamily composition of Ichneumonidae (Hymenoptera) from western Amazonia: insights into diversity of tropical parasitoid wasps. *Insect Conservation and Diversity* 6:28-37. doi: 10.1111/j.1752-4598.2012.00185.x
85. Longino, J. T., B. Boudinot. 2013. New species of Central American *Rhopalothrix* Mayr, 1870 (Hymenoptera, Formicidae). *Zootaxa* 3616:301-324. doi: 10.11646/zootaxa.3616.4.1
86. Logan, C. J., J. T. Longino. 2013. Adult male coatis play with a band of juveniles. *Brazilian Journal of Biology* 73:353-355.

87. Longino, J. T. 2013. A review of the Central American and Caribbean species of the ant genus *Eurhopalothrix* Brown and Kempf, 1961 (Hymenoptera, Formicidae), with a key to New World species. *Zootaxa* 3693:101-151.
88. Longino, J. T. 2013. A revision of the ant genus *Octostruma* Forel 1912 (Hymenoptera, Formicidae). *Zootaxa* 3699:1-61.
89. Aguiar, A. P., A. R. Deans, M. S. Engel, M. Forshage, J. T. Huber, J. T. Jennings, N. F. Johnson, A. S. Lelej, J. T. Longino, V. Lohrmann, I. Mikó, M. Ohl, C. Rasmussen, A. Taeger, and D. S. K. Yu. 2013. Order Hymenoptera. *Zootaxa* 3703:51-62.
90. Longino, J. T., M. G. Branstetter, and R. K. Colwell. 2014. How ants drop out: ant abundance on tropical mountains. *PLoS ONE* 9:e104030.
91. Herrera, H. W., J. T. Longino, and W. Dekoninck. 2014. New records of nine ant species (Hymenoptera: Formicidae) for the Galapagos Islands. *The Pan-Pacific Entomologist* 90:72-81.
92. Smith, M. A., D. H. Janzen, W. Hallwachs, J. T. Longino. 2015 Observations of *Adelomyrmex* (Hymenoptera: Formicidae) reproductive biology facilitated by digital field microscopy and DNA barcoding. *Canadian Entomologist* 147:611-616. DOI: <http://dx.doi.org/10.4039/tce.2014.82>
93. Adams, R. M. M., T. H. Jones, J. T. Longino, R. G. Weatherford, and U. G. Mueller. 2015. Alkaloid venom weaponry of three *Megalomyrmex* thief ants and the behavioral response of *Cyphomyrmex costatus* host ants. *Journal of Chemical Ecology*, DOI:10.1007/s10886-015-0565-y.
94. Gibb, H., et al. 2015. Climate mediates the effects of disturbance on ant assemblage structure. *Proceedings of the Royal Society of London B: Biological Sciences* 282: 20150418. <http://dx.doi.org/10.1098/rspb.2015.0418>
95. Gilbert, L. E., et al. 2016. Chapter 12. The southern Pacific lowland evergreen moist forest of the Osa region. Pages 360-411 in Kappelle, M. *Ecosystems of Costa Rica*. University of Chicago Press.
96. McClearn, D., et al. 2016. Chapter 16. The Caribbean lowland evergreen moist and wet forests. Pages 527-587 in Kappelle, M. *Ecosystems of Costa Rica*. University of Chicago Press.
97. Colwell, R. K., N. J. Gotelli, L. A. Ashton, J. Beck, G. Brehm, T. M. Fayle, K. Fiedler, M. L. Forister, M. Kessler, R. L. Kitching, P. Klimes, J. Kluge, J. T. Longino, S. C. Maunsell, C. M. McCain, J. Moses, S. Noben, K. Sam, L. Sam, A. M. Shapiro, X. Wang, and V. Novotny. 2016. Midpoint attractors and species richness: Modelling the interaction between environmental drivers and geometric constraints. *Ecology Letters* 19:1009-1022.
98. Nepel, M., H. Voglmayr, R. Blatrix, J. T. Longino, K. Fiedler, J. Schönenberger, V. E. Mayer. 2016. Ant-cultivated Chaetothyriales in hollow stems of myrmecophytic *Cecropia* sp. trees - diversity and patterns. *Fungal Ecology* 23:131-140.
99. Sikes, D. S., K. Copas, T. Hirsch, J. T. Longino, and D. Schigel. 2016. On natural history collections, digitized and not: a response to Ferro and Flick. *ZooKeys* 618:145-158.
100. Branstetter, M., J. T. Longino, J. Reyes-López, T. R. Schultz, S. G. Brady. 2016. Into the tropics: phylogenomics and evolutionary dynamics of a contrarian clade of ants. *bioRxiv*.

101. Branstetter, M. G., J. T. Longino, P. S. Ward, and B. C. Faircloth. 2017. Enriching the ant tree of life: enhanced UCE bait set for genome-scale phylogenetics of ants and other Hymenoptera. *Methods in Ecology and Evolution*. doi: 10.1111/2041-210X.12742.
102. Kendall, B., V. Tkach, Y. Gutierrez, J. Longino, and M. Couturier. 2017. Photo quiz: motile structures in the stool of a field biologist. *Journal of Clinical Microbiology* 55:2293.
103. Kendall, B., V. Tkach, Y. Gutierrez, J. Longino, and M. Couturier. 2017. Answer to photo quiz: cestode proglottids. *Journal of Clinical Microbiology* 55:2562-2563.
104. Pierce, M. P., M. G. Branstetter, and J. T. Longino. 2017. Integrative taxonomy reveals multiple cryptic species within Central American *Hylomyrma* FOREL, 1912 (Hymenoptera: Formicidae). *Myrmecological News* 25:131-143.
105. Longino, J. T. and M. G. Branstetter. 2018. The truncated bell: an enigmatic but pervasive elevational diversity pattern in Middle American ants. *Ecography* 42:272-283. doi:10.1111/ecog.03871.
106. Economo, E. P., J.-P. Huang, G. Fischer, E. M. Sarnat, N. Narula, M. Janda, B. Guénard, J. T. Longino, L. L. Knowles. 2019. Evolution of the latitudinal diversity gradient in the hyperdiverse ant genus *Pheidole*. *Global Ecology and Biogeography* 28:456-470.
107. Branstetter, M. G., and J. Longino. 2019. UCE phylogenomics of New World *Ponera* Latreille (Hymenoptera: Formicidae) illuminates the origin and phylogeographic history of the endemic exotic ant *P. exotica*. *Insect Systematics and Diversity* 3:1-13.
108. Longino, J. T. 2019. *Pheidole* (Hymenoptera, Formicidae) of Middle American wet forest. *Zootaxa* 4599:1-126.
109. Escárraga, M. E., J. T. Longino, and J. Sosa-Calvo. 2019. Subfamilia Proceratiinae. Pages 681-691 in F. Fernández, R. J. Guerrero, and T. Delsinne, editors. *Hormigas de Colombia*. Universidad Nacional Colombia, Bogotá.
110. Longino, J. T., M. G. Branstetter, and P. S. Ward. 2019. Ant diversity patterns across tropical elevation gradients: effects of sampling method and subcommunity. *Ecosphere* 10:e02798.
111. Longino, J. T., and D. B. Booher. 2019. Expect the unexpected: a new ant from a backyard in Utah. *Western North American Naturalist* 79:496-499.
112. Longino, J. T. 2020. Navigating the Ship of Theseus from typology to cartography. *Megataxa* 1:43-45. <https://doi.org/10.11646/megataxa.1.1.8>.
113. Longino, J. T., and R. K. Colwell. 2020. The arboreal ants of a Neotropical rainforest show high species density and comprise one third of the ant fauna. *Biotropica* 52:675-685. DOI: 10.1111/btp.12772.
114. Smith, M. A., W. Hallwachs, D. H. Janzen, J. T. Longino, and M. G. Branstetter. 2020. A subterranean ant *Acanthostichus* Mayr, 1887 is revealed in Costa Rica. *Insectes Sociaux*. DOI: 10.1007/s00040-020-00754-9.
115. Longino, J. T. 2020. *Azteca*, pp 1-5 in Starr, C. (Ed.), *Encyclopedia of Social Insects*. Springer Nature, Cham.

116. Longino, J. T., and M. G. Branstetter. 2020. Phylogenomic species delimitation, taxonomy, and ‘bird guide’ identification for the Neotropical ant genus *Rasopone* (Hymenoptera: Formicidae). *Insect Systematics and Diversity*, 4:1-33. doi: 10.1093/isd/ixaa004.
117. Longino, J. T. 2021. Army ants take the stage (review of Kronauer, D. J.C., *Army Ants: Nature's Ultimate Social Hunters*). *Current Biology* 31: R164-R165. doi: <https://doi.org/10.1016/j.cub.2021.01.024>.
118. Booher, D. B., J. C. Gibson, C. Liu, J. T. Longino, B. L. Fisher, M. Janda, N. Narula, E. Toulkeridou, A. S. Mikheyev, A. V. Suarez, and E. P. Economo. 2021. Functional innovation promotes diversification of form in the evolution of an ultrafast trap-jaw mechanism in ants. *PLoS Biology* 19: e3001031. doi: 10.1371/journal.pbio.3001031.
119. Longino, J. T. and M. G. Branstetter. 2021. Integrating UCE phylogenomics with traditional taxonomy reveals a trove of New World *Syscia* species (Formicidae: Dorylinae). *Insect Systematics and Diversity* 5:1-51. 10.1093/isd/ixab001.
120. Branstetter, M. G., and J. T. Longino. in press. UCE phylogenomics of New World *Cryptopone* (Hymenoptera: Formicidae) elucidates genus boundaries, species boundaries, and the vicariant history of a temperate-tropical disjunction. *Insect Systematics and Diversity*.

PATRONYMS

Calcarobiotus longinoi (tardigrade)
Allonothrus longinoi (mite)
Calyptoseius longinoi (mite)
Erioloides longinoi (katydid)
Longinomerus aequilus (true bug)
Longinischus ornatus (true bug)
Amnestus longinoi (true bug)
Cryptostigma longinoi (scale insect)
Lissoderes longinoi (beetle)
Geocharidius longinoi (beetle)
Plumolepilius longinoi (beetle)
Pseudolechriops longinoi (beetle)
Zapotechanillas longinoi (beetle)
Alepia longinoi (fly)
Trichogonatopus longinoi (parasitic wasp)
Euplectrus jacklonginoi (parasitic wasp)
Sesioctonus longinoi (parasitic wasp)
Heterospilus longinoi (parasitic wasp)
Neotheronia longinoi (parasitic wasp)
Gonatopus jacki (parasitic wasp)
Alabagrus longinoi (parasitic wasp)
Glyptapanteles jacklonginoi (parasitic wasp)
Orasema longinoi (parasitic wasp)
Adelomyrmex longinoi (ant)
Lachnomymex longinoi (ant)
Megalomyrmex longinoi (ant)
Pheidole longinoi (ant)
Romblonella longinoi (ant)
Solenopsis longinoi (ant)

Stenamma longinoi (ant)
Strumigenys longinoi (ant)
Temnothorax longinoi (ant)