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

Rodolfo Probst (PhD, 2022), Elaine Tan (MS, 2022).

On committee of: Andrew Basinski (2012), Kaitlin M. Baudier (Drexel, 2017), Brendon Boudinot (UC Davis, 2020), Mark Chynoweth (2017), Monte Neate-Clegg (2021), Katherine Noble (2019), Georgia Sinimbu (2015), Chris Thornton (2019), Keaton Tremble (2023), Christine Blebea (UC Santa Cruz, current), David Blount (current), Federico Collazo (current), Aoife Galvin (current), Ian James (current), Kyle Kittleberger (current), Kirsten Meredith (current), Madelyn Purnell (current), Patrick Talley (current).

UNDERGRADUATE STUDENTS

Tobias Hays, John Jackson, Mac Pierce, Francisca Rodríguez Durst, Megan Duval, Christian Furness, Andrew Shepard.

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*, 2004-2020. 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), 2001-2023.

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 (2016-2022), Academic Senate Ad Hoc Committee on Safety of Minors (2016-2017), College of Science Council (2019-2021), University Research Committee (2018-present), 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-present), RPT Committee (Chair, 2020-present).

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

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| National Science Foundation Dissertation Improvement Grant (L. E. Gilbert, Advisor) | 1981-1983 | $3,300 |
| National Geographic Society Research Grant: "Systematics and Nesting Habits of *Crematogaster* (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, Vietnam, Papua New Guinea.

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 *Cecopia* 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. Daloze, 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 *Stenamma* (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. "Litter-mania 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.

Conservation Foundation of the Gulf Coast, Sarasota, Florida, 20 April 2022: Where have all the praying mantises gone? Personal musings on Sarasota ranchlands. Invited talk. https://www.youtube.com/watch?v=dJU4K9xoua8

The Ant Course (California Academy of Sciences), Cuc Phuong National Park, Vietnam, August 2022. Invited course instructor.

Utah Pest Management Association, 2022 Fall Conference, Lehi, Utah, 10 November 2022: Ant ID Crash Course. Invited seminar.

The Ant Course (California Academy of Sciences), Binatang Research Center, Papua New Guinea, August 2023. Invited course instructor.

University of Nevada, Reno, Department of Biology, 3 November 2023: Ant-plant relationships: a personal journey. 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 biologica. 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.

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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)

*Lachnomyrmex longinoi* (ant)

*Megalomyrmex longinoi* (ant)

*Pheidole longinoi* (ant)

*Romblonella longinoi* (ant)

*Solenopsis longinoi* (ant)

*Stenamma longinoi* (ant)

*Strumigenys longinoi* (ant)

*Temnothorax longinoi* (ant)

*Aenictus jacki* (ant)