

Curriculum Vitae for Jason J. Dombroskie

Department of Entomology
Comstock Hall
Cornell University
Ithaca, NY 14853-2601 USA
607 255 6530 (w)
607 280 0203 (c)
jjd278@cornell.edu
<http://www.jasondombroskie.com/>
<https://cuic.entomology.cornell.edu/>
<http://idl.entomology.cornell.edu/>

Education

- **Ph.D.** Dept. of Biological Sciences, University of Alberta; March 2011; Thesis: “Aspects of Archipine Evolution (Lepidoptera: Tortricidae)”
- **B.Sc. Hon.** Biological Sciences, University of Guelph; April 2004

Academic Research

My main interests are in the systematics of the tribe Archipini (Tortricidae) in the New World, the family Tortricidae in North America, and overall insect biodiversity in New York State.

Committees

- Elected graduate student representative for the University of Alberta Museums Management and Policy Planning Committee, 2008-2010
- Organizing committee for the 6th International Congress on the Biology of Butterflies 2010 in Edmonton, Alberta
- Committee on the Status of Endangered Wildlife in Canada, Arthropod Specialist Subcommittee, 2012-2015

Teaching Experience

- BIO 108 Introductory Biology, U Alberta (TA) 2006
- ENT 220 Introductory Entomology, U Alberta (TA) 2006
- ENT 380 Forest Entomology, U Alberta (TA) 2007-2010
- ENT 427/527 Terrestrial Arthropod Diversity, U Alberta (TA) 2007-2010
- Resource Room (help for 1st & 2nd year biology students), U Alberta (TA) 2007-2011
- Lepidoptera Course, SW Research Sta, AZ (instructor) 2012
- ENTOM 3340 Tropical Field Entomology, La Selva, Costa Rica (instructor) 2015
- Microlepidoptera: Identification, Anatomy, Microdissection, and Ecology, Eagle Hill Institute, ME (instructor) 2017, 2018, 2019

Publications

Brown, W. P. & **J. J. Dombroskie**. 2019. Why do some beetles develop in fallen twigs? *Environ. Entomol.* 48: 122-126.

Austin, K. A., **J. J. Dombroskie**, D. L. Matthews, J. Y. Miller. 2019. A review of the Archipini of The Bahamas with the description of a new species of *Argyrotaenia* Stephens (Tortricidae). *J. Lepid. Soc.* 73:5-17.

Fagua, G., F. L. Condamine, **J. J. Dombroskie**, B.-K. Byun, J. De Prins, T. J. Simonsen, M. Baez, B. M. T. Brunet, F. A. H. Sperling. 2018. Genus delimitation, biogeography and diversification of *Choristoneura* Lederer (Lepidoptera: Tortricidae) based on molecular evidence. *Syst. Entomol.* 44:19-38.

Pohl, G. R., J.-F. Landry, B. C. Schmidt, J. D. Lafontaine, D. A. Macaulay, E. J. van Nieukerken, J. R. deWaard, **J. J. Dombroskie**, J. Klymko, V. Nazari, K. Stead. 2018. Annotated checklist of the moths and butterflies (Lepidoptera) of Canada and Alaska. *Pensoft Series Faunistica* No 118, 580 pp.

Dombroskie, J. J., D. Olmstead, & A. Roe. 2016. The Never Ending Story of Taxonomy [poster]. Available: https://figshare.com/articles/The_Never_Ending_Story_of_Taxonomy/4083315

Brown, B., M. E. Zuefle, & **J. J. Dombroskie**. 2016. Effects of host species and twig diameter on oak twig pruner *Anelaphus parallelus* (Newman) (Coleoptera: Cerambycidae) emergence rates. *Can. Entomol.* 148: 693-697.

St. Laurent, R. A. & **J. J. Dombroskie**. 2016. Revision of the genus *Menevia* Schaus, 1928 (Lepidoptera, Mimallonoidea, Mimallonidae). *ZooKeys* 556:31-116.

Dombroskie, J. J. 2015. Book Review: *Eucosma* Hübner of the Contiguous United States and Canada (Lepidoptera: Tortricidae: Eucosmini). *News Lepid. Soc.* 57:204.

St. Laurent, R. A. & **J. J. Dombroskie**. 2015. A revision of the genus *Eadmuna* Schaus, 1928 (Lepidoptera, Mimallonidae) with a description of a new species from French Guiana. *ZooKeys* 494:51-68.

Gilbert, K. J., T. J. Fahey, J. C. Maerz, R. E. Sherman, P. Bohlen, **J. J. Dombroskie**, P. M. Groffman, J. B. Yavitt. 2014. Exploring carbon flow through the root channel in a temperate forest soil food web. *Soil Biol. Biochem.* 76:45-52.

Dombroskie, J. J. 2014. Book Review: Lepidoptera Conservation in a Changing World. *Quart. Rev. Biol.* 89:188-189.

Anzaldo, S. S., **J. J. Dombroskie**, & J. W. Brown. 2014. Morphological variation, taxonomic distribution, and phylogenetic significance of cornuti in Tortricinae (Lepidoptera: Tortricidae). *Proc. Entomol. Soc. Wash.* 116:1-31.

Jaeger, C. M., **J. J. Dombroskie**, & F. A. H. Sperling. 2013. Delimitation of *Phaneta tarandana* (Möschler 1874) and *P. montana* (Walsingham 1884) (Tortricidae: Olethreutinae) in western Canada using morphology and DNA. *J. Lepid. Soc.* 67:253-262.

Dombroskie, J. J. & F. A. H. Sperling. 2013. Phylogeny of the tribe Archipini (Lepidoptera: Tortricidae: Tortricinae) and evolutionary correlates of novel secondary sexual structures. *Zootaxa* 3729:1-62.

Dombroskie, J. J. and F. A. H. Sperling. 2012. Phylogeny of Nearctic *Pandemis* (Lepidoptera: Tortricidae), with focus on species boundaries in the *P. limitata* group. *Annals Entomol. Soc. Amer.* 105:768-780.

Dombroskie, J. J. 2012. Book Review: Olethreutine Moths of the Midwestern United States. *J. Lepid. Soc.* 66:57-58.

Monsalve, S., **J. J. Dombroskie**, W. Lam, and J. W. Brown. 2011. Variation in the Female Frenulum in Tortricidae (Lepidoptera). Part 3. Tortricinae. *Proc. Entomol. Soc. Wash.* 113:335-370.

Dombroskie, J. J. 2011. A Matrix Key to Families, Subfamilies and Tribes of Lepidoptera of Canada. *Can. J. Arthropod Ident.* 17:1-129.

Dombroskie J. J., and J. W. Brown. 2009. A New Species of *Clepsis* Guenée, 1845 (Lepidoptera: Tortricidae) from the Sky Islands of Southeastern Arizona. *Proc. Entomol. Soc. Wash.* 111:769-774.

Simonsen T. J., **J. J. Dombroskie**, and G. R. Pohl. 2009. *Melitara* Walker (Pyrilidae) in Western Canada: The Documentation of *M. subumbrella* (Dyar) in the Prairie Provinces Demonstrates the Value of Regional Collections and Species Lists. *J. Lepid. Soc.* 63:31-36.

Simonsen T. J., **J. J. Dombroskie**, and D. D. Lawrie. 2008. Behavioral Observations on the Dobsonfly, *Corydalus cornutus* (Megaloptera: Corydalidae) with Photographic Evidence of the Use of the Elongate Mandibles in the Male. *Am. Entomol.* 54:167-169.

Catling P. M., M. J. Oldham, C. D. Jones, R. Oldham, **J. J. Dombroskie**, and B. Kostiuik. 2004. Broad-tailed Shadowdragon, *Neurocordulia michaeli* Brunelle, New to Ontario. *Argia* 16:13-16.

Dombroskie J. J. 2003. The Metalmark Moths (Lepidoptera: Choreutidae) of Ontario. Pp. 59-70 in C. D. Jones and J. P. Crolla, eds. *Ontario Lepidoptera 2002*. Toronto Entomologists' Association, Toronto.

Academic or Professional Presentations

- Guest lecturer in Insect Biosystematics class at University of Guelph, Guelph, Ontario 2003, 2004
- Keynote speaker, Renfrew County Natural Heritage Days, Pembroke, Ontario 2004
- Speaker, Natural Heritage Education Conference, Dwight, Ontario 2004
- Keynote speaker, Muskoka Field Naturalist Club, Huntsville, Ontario 2004, 2005
- Workshop presenter, Natural Heritage Education Conference, Huntsville, Ontario 2005
- Keynote speaker, Pembroke Area Field Naturalists Club, Pembroke, Ontario 2005
- Speaker, Lepidopterists' Society Annual General Meeting, Gainesville, Florida 2006; Bakersfield, California 2007; Starksville, Mississippi 2008
- Guest lecturer in Terrestrial Arthropod Diversity class at University of Alberta, Edmonton, Alberta 2008, 2009, 2010
- Speaker at Entomological Society of Canada, Ottawa, Ontario 2008
- Invited speaker in Tortricid Phylogeny Workshop at European Congress of Lepidopterology, Cluj-Napoca, Romania 2009
- Speaker at Entomological Society of Alberta, Vermilion, Alberta 2009
- Keynote speaker for Federation of Alberta Naturalists Awards Dinner, Edmonton, Alberta 2010
- Speaker in the Systematics and Biodiversity Symposium at Canadian Society for Ecology and Evolution meeting in Banff, Alberta 2011
- Speaker at Jugatae, Cornell University, Geneva Campus 2012
- Invited speaker for Snodwigs, Cornell University, Ithaca 2012
- Invited speaker in tortricid workshop, Denver 2012
- Invited speaker for Evo-group seminar series, Cornell University, Ithaca 2012
- Webinar: Trends in Insect Diagnostics <http://vimeo.com/54970615>
- Webinar: Basic Insect Pinning (for CCE beneficial insect training) <http://vimeo.com/56253107>

- Invited speaker for NY State Arborists Annual Meeting (80)(1.5 h talk, ISA certified & 1.5 DEC certified credits), Suffern, NY 2013
- Beneficial Insect Training for CCE Master Gardener Volunteers (3 sessions) 2013
- Speaker “Mission Possible? The Modern Role of Insect Collections in Land Grant Universities” Entomological Collections Network, Austin, TX 2013
- Invited speaker for Finger Lakes Native Plant Society, Ithaca 2014
- Introductory entomology workshop for Friends of Algonquin, Algonquin Park, ON
- Light Brown Apple Moth for First Detector Training, Ithaca 2014
- Natural History of Moths of NY for National Moth Week, Ithaca 2014
- Basic entomology workshops for Master Gardener Training, various places in NY State (7 sessions) 2014
- Speaker “How to save our entomology collections: the undergrad solution” at Joint Annual Meeting of the Entomological Societies of Canada and Saskatchewan, Saskatoon, SK 2014
- Invited Speaker for Kingston Field Naturalists Annual Meeting, Kingston, ON, May 2015
- Basic entomology workshops for Master Gardener Training, various places in NY State (2 sessions) 2015
- Invited Speaker for Danby Moth night, Upper Buttermilk Falls SP, NY, July 2015
- Poster: “Revision of the genus *Menevia* Schaus, 1928 (Lepidoptera: Mimallonoidea: Mimallonidae) with descriptions of several new species”, Lepidopterists' Society 2015 Annual Meeting, West Lafayette, IN, July 2015
- Diurnal and nocturnal moth outings, Cornell Plantations, July 2015
- Invited presenter for moth outing, Finger Lakes Land Trust, Roy H Park Preserve, August 2015
- Entomology MGTV training, Cortland, NY, February 2016
- Invited speaker on CUIC for Ithaca City Club, March 2016
- Beneficial Insects talk for Yard n’ Garden Day, Penn Yan, NY, March 2016
- Public mothing night, Stony Brook SP, NY, July 2016
- Mothing night for Educator Retreat, Cornell Lab of Ornithology, Ithaca, July 2016
- Sentinel Plant Network Workshop Instructor, Pittsburgh, PA, July 2016
- Public mothing night, Fair Haven Beach SP, NY, July 2016
- Public mothing night, Cornell Plantations, Ithaca, July 2016
- Public mothing night, Finger Lakes Land Trust, Roy H. Park Preserve, NY, August 2016
- Basic Entomology Training for CCE Master Gardener Volunteers, Ithaca, September 2016
- Invited Speaker for Community IPM Coordinating Council Meeting, Albany, NY, October 2016
- InService Entomology Training, Ithaca, November, 2016
- Entomology MGTV training, Ithaca, December, 2016

- Capital Region Pesticide Recertification Day “What is that bug? Arthropod Identification“ (1 CORE credit), Latham, NY, March, 2017
- Invited Speaker for Yard ‘n Garden Day “Beneficial Insects”, Ovid, NY, March, 2017
- Public mothing night, Finger Lakes Land Trust, Roy H. Park Preserve, NY, July 2017
- Speaker for “Moths of NY State”. Roger Tory Peterson Institute, Jamestown, NY, July 2017
- Invited presenter for SIPS Biolblitz, Cayuga Nature Center, NY, September 2017
- Entomology MGV training, Geneva, NY, September 2017
- Invited presenter "Natural History of the Moths of NY State", Keuka College, Keuka, NY, November 2017
- InService Entomology Diagnostic Lab Trends, Ithaca, November, 2017
- Organizer for Post-season Wrap-up, Ithaca, November, 2017
- Invited speaker for NYSDAM field agent training, January, 2018
- Entomology MGV training, Ithaca, March 2018 (3 sessions)
- Invited speaker for 93rd Annual Eastern Plant Board Meeting, Mystic, CT, April, 2018
- Moth Night for Friends of Recreation, Conservation, and Environmental Stewardship, Robert H. Treman SP, NY, May 2018
- Public Mothing Night, Finger Lakes Land Trust, Roy H. Park Preserve, NY, June 2018
- Public Moth Night, Cornell Botanic Gardens, June, 2018
- Public Moth Night, Audubon Center, Jamestown, NY, June, 2018
- Invited plenary speaker, ENTO 18 - Royal Entomological Society Annual Meeting, Ormskirk, UK, August 2018
- Guest lecturer for Environmental Communication course at Illinois State U, September, 2018
- Organizer for Post-season Wrap-up, Ithaca, December, 2018
- Entomology MGV training, Ithaca, February 2019 (5 sessions)
- Invited speaker, Mothapalooza, Shawnee State Park, Ohio, July 2019

Workshops attended

- Bark Beetle Academy May 2014, Gainesville, FL
- Wild *Drosophila* Identification September 2015, Geneva, NY
- Introductory Acarology June 2017, Columbus, OH

Grants and Awards

- Alberta Conservation Association Grants in Biodiversity, 2007 (\$11 130)
- Alberta Lepidopterists’ Guild Survey Grant, 2008 (\$1 000)

- Digitization TCN: Plants, Herbivores, and Parasitoids, a Model System for the Tri-trophic Associations, 2011 (\$46 662)
- NYSDAM General Insect Identifications, 2013 (\$20 000)
- NYSDAM Insect Identifications, Stone Fruit Commodity, 2013 (\$2 640)
- NYSDAM General Insect Identifications, 2013 (\$29 070)
- NYSDAM Insect Identifications, Orchard Commodity, Stone Fruit, and Tomato Commodity 2014 (\$16 100)
- NYSDAM General Insect Identifications, 2014 (\$14 885)
- NYSDAM Insect Identifications, Grape Commodity, 2015 (\$18 000)
- NYSDAM Insect Identifications, Stone Fruit, 2015 (\$8 000)
- NYSDAM General Insect Identifications, 2015 (\$15 700)
- NSF-CSBR Natural History: Digitized Images from the Cornell University Insect Collection Support D.I.Y. Entomological Training, 2016 (\$313 100)
- NYSDAM Insect Identifications, Tomato Commodity, 2016 (\$13 500)
- NYSDAM Insect Identifications, Orchard Commodity, 2016 (\$12 000)
- NYSDAM Insect Identifications, Stone Fruit, 2016 (\$8 000)
- NYSDAM Insect Identifications, Grape Commodity, 2016 (\$10 000)
- NYSDAM Insect Identifications, Small Insect Screening, 2016 (\$12 000)
- NYSDAM Insect Identifications, Stone Fruit, 2017 (\$8 000)
- NYSDAM Insect Identifications, Orchard Commodity, 2017 (\$12 581)
- NYSDAM Insect Identifications, Grape Commodity, 2017 (\$14 350)
- NYSDAM Insect Identifications, Small Fruit, 2017 (\$9 000)
- NYSDAM Insect Identifications, European Cherry Fruit Fly, 2018 (\$166 800)
- NYSDAM General Insect Identifications, 2018 (\$4 250)
- NYSDAM Insect Identifications, Stone Fruit, 2017 (\$8 000)
- NYSDAM Insect Identifications, Grape Commodity, 2018 (\$14 350)
- NYSDAM Insect Identifications, Orchard Commodity, 2018 (\$12 581)

- Department of Biological Sciences Excellence in Teaching Award, 2007
- University of Alberta Graduate Student Teaching Award, 2008
- Entomological Society of Canada President's Prize best oral presentation, 2008

Work Experience

- Park Naturalist** Algonquin Provincial Park Seasonally 1996 to 2004
- Developed and delivered high quality educational programs.
 - Conducted flora and fauna surveys adding several hundred species of plants and animals (particularly insects) to Algonquin's species lists.
 - Compiled checklist of moths containing 1829 species.

- Graduate Student Assistant** University of Guelph May to June 2000
- Assisted in collecting insects in Point Pelee and Bruce Peninsula National Parks.
 - Identified Lepidoptera in the University Insect Collection.

- Contractor** Canadian Wildlife Service May 2001
- Trained graduate students in identification and preparation of Lepidoptera specimens.
 - Helped develop efficient and practical sampling protocol.

- Bioinventory Surveyor** Charleston Lake Provincial May 2004
Park
- Surveyed flora and fauna with heavy emphasis on Lepidoptera, Odonata, and Reptiles.
 - Prepared report for park officials, including a species record database

- Bioinventory Surveyor** Glenside Ecological Services August 2004
- Conducted biological inventory of insects and other organisms with special emphasis on rare species in Clear Lake Provincial Nature Reserve.

Friends of Algonquin Park November 2004 to
October 2005

Development and

Innovation Technician

- Developed and delivered high quality educational programs to youth and adult groups.
- Supervised an intern for natural history collection maintenance and preservation.
- Acted as Group Education Coordinator from January to September, booking and delivering educational programs

- Taxonomist** Northern Forestry Centre, November 2011 to
Canadian Forest Service December 2011
- Identified Lepidoptera specimens from various locations in Canada, including several new to North America.
 - Prepared specimens from biological inventories in Newfoundland parks.

Senior Extension Associate Department of Entomology,
Cornell University

January 2012 to
present

- Curated and managed the insect collection and associated loans.
- Coordinated the insect diagnostics laboratory dealing with identifications from state and federal officials.
- Conducted various outreach programs
- Supervised numerous students

Language Skills

Native English

Basic Spanish

Basic French

Memberships and Affiliations

American Association for Zoological Nomenclature

Entomological Collections Network

Entomological Society of America

Entomological Society of Canada

The Lepidopterists' Society, elected Member-at-large, 2018-present

Sigma Xi

Societas Europaeae Lepidopterologica