

CURRICULUM VITAE

NAME

Opler, Paul A

ADDRESS

Bioagricultural Sciences and Pest Management
College of Agricultural Sciences

Laurel Hall

PHONE

(970) 491-4322

EDUCATION

1970 Ph D, University of California at Berkeley

1965 MS, California State University at San Jose

1960 BS, University of California at Berkeley

OTHER POSITIONS

December 15, 1983 - December 29, 1997 Section Chief, Department of the Interior, Fish and Wildlife Service, Division of Research, Washington DC office, Office of Information Transfer, Editorial Section, physically located in Fort Collins, Colorado.

PUBLISHED WORKS

Books

(2011). *The complete book on North American Butterflies*. Thunder Bay Press, San Diego, Calif, 192 pp.

Refereed Journal Articles

Opler, P. A., Wagner, D. W. Notodontidae (Noctuoidea)- Moths of America north of Mexico. *Wedge Entomological Foundation, Washington, DC (In manuscript)*.

Opler, P. A., Cognato, A. I. Phylogenetic analysis supports the recognition of *Albuna beutenmulleri* Skinner as a species distinct from *A. pyramidalis* Walker (Lepidoptera: Sesiidae). *Journal of the Lepidopterists' Society*.

Opler, P. A. (2015). Genetic evaluation of the status of Lange's metalmark, a Federally Endangered butterfly. *Journal of Research Development*.

(2012). Genetic, phenetic, and distributional relationships of Nearctic *Anthocharis* (Pieridae, Pierinae, Anthocharidini). *Journal of the Lepidopterists' Society (In preparation)*.

(2011). A multiplex real-time polymerase chain reaction assay to diagnose *Epiphyas postvittana* (Lepidoptera: Tortricidae). *Journal of Economic Entomology*, 104(5), 1706-1719.

(2011). A new avocado pest in Central America (Lepidoptera: Tortricidae) with a key to Lepidoptera larvae threatening avocados in California. *Zootaxa*, 3137, 31-45.

(2011). Discovery of false codling moth, *Thaumatotibia leucotreta* (Meyrick) in California. *Proceedings of the Entomological Society of Washington*, 113(4).

(2011). Discovery of *Lobesia botrana* ([Denis & Schiffermuller]) in California, an invasive species new to North America (Lepidoptera: Tortricidae). *Proceedings of the Entomological Society of Washington*, 113(1), 14-30.

Non-Refereed Journal Articles

Opler, P. A., Grishin, N., Halbritter, D. DNA barcodes uncover unexpected species richness in the Pine White Butterfly, *Neophasia menapia*. *Journal of the Lepidopterists' Society*.

Opler, P. A., Back, W., Grishin, N., Stout, T. DNA barcodes reveal different speciation scenarios in the four North American *Anthocharis* species groups. *Journal of the Lepidopterists' Society*.

Opler, P. A. (2014). From Ancient Capital to South of the Clouds: Butterfly Studies in China, May 2001. *Journal of Tropical Lepidoptera Research*.

(2011). Patterns of mitochondrial haplotype diversity in the invasive pest *Epiphyas postvittana* (Lepidoptera: Tortricidae). *Journal of Economic Entomology*, 104(3), 920-932.

(2012). *Butterflies of Rocky Mountain National Park* (pp. 59-64). Denver Museum of Nature and Science, Technical Report 2012-6.

(2012). *California oaks and allies as evolutionary and ecological islands for leaf-mining Lepidoptera: host individuals and species populations (abstract)* (pp. 31). Program and Proceedings of the International Lepidopterists' Conference, Denver, July 23-29, Denver Museum of Nature and Science, Technical Report 2012-6.

(2012). *Conservation status of Colorado moths (abstract)* (pp. 31). Program and Proceedings of the International Lepidopterists' Conference, Denver, July 23-29, Denver Museum of Nature and Science, Technical Bulletin 2012-6.

(2012). *Lepidoptera at the C.P. Gillette Museum of Arthropod Diversity, Colorado State University, Ft. Collins: Description and Holdings* (pp. 54-58). Denver Museum of Nature and Science, Technical Report 2012-6.

Book Review

(2011). *Eurytides marcellus, Nymphalis antiopa, Papilio multicaudata, and Zerene eurydice species accounts*. Grzimek's Animal Life; Gale/Cengage, Farmington Hills, Mich; Simmons, N., editor.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

October 24, 2015, "Butterfly pollinators of Colorado buckwheats (*Eriogonum*)", High Country Lepidopterists, University of Denver, (Presenter) Opler, P. A.

September 12, 2015, "Butterfly pollinators of Colorado buckwheats (*Eriogonum*)", Colorado Native Plant Society, state-wide conference, Colorado Native Plant Society, (Presenter) Opler, P. A.

August 15, 2015, "Natural History of butterflies of Rocky Mountain National Park, west slope.", Natural History of Butterflies of Rocky Mountain National Park, Rocky Mountain Conservancy, (Presenter) Opler, P. A., Buckner-Opler, E. M.

- July 25, 2015, "Natural History of butterflies of Rocky Mountain National Park, east slope.", Natural History of Butterflies of Rocky Mountain National Park, Rocky Mountain Conservancy, (Presenter) Opler, P. A., Buckner-Opler, E. M.
- June 26, 2015, "Moths of California workshop", San Francisco State University, Sierra Nevada Summer Field Course, San Francisco State University.
- June 22, 2015, "Natural History of Butterflies of the Sierra Nevada", San Francisco State University, Sierra Nevada Summer Field Course, San Francisco State University, (Presenter) Opler, P. A., Buckner-Opler, E. M.
- June 19, 2015, "The *Plebejus acmon* complex in southern California", Pacific Slope section of the Lepidopterists' Society, annual meeting, Pacific Slope section of the Lepidopterists' Society, (Presenter) Opler, P. A.
- May 7, 2015, "Butterfly pollinators of Colorado buckwheats (*Eriogonum*)", Colorado Native Plant Society, Northern Colorado Chapter, Colorado Native Plant Society, (Presenter) Opler, P. A.
- November 8, 2014, "Searching for western blue butterflies: The case of the Owens River drainage in California", High Country Lepidopterists, (Presenter) Opler, P. A., Denver Museum of Nature and Science.
- November 8, 2014, "The *Plebejus acmon* Species Group (Lycaenidae: Lycaeninae) in Southern California and Baja California", High Country Lepidopterists, Department of Bioagricultural Sciences and Pest Management, (Presenter) Opler, P. A., Denver Museum of Nature and Science.
- November 3, 2014, "Conservation and management of butterfly and moth pollinators on Federal lands in California", Management of pollinators on Federal lands in California, University of California and U.S. Forest Service, (Presenter) Opler, P. A., Tiburon, California.
- July 13, 2014, "Introduction to butterfly and moth diversity studies", Lepidoptera BioBlitz for Great Basin National Park, National Park Service, Baker, Nevada; Great Basin National Park.
- June 28, 2014, "Study of macrolepidoptera", Moths of California, San Francisco State University, Sierra Nevada summer Field Campus, Bassetts, California.
- June 23, 2014, "various lectures and field trips", Butterflies of the Sierra Nevada, San Francisco State University, Sierra Nevada summer Field Campus, Bassetts, California.
- March 4, 2014, "Insect Diversity and biogeography of Rocky Mountain National Park", Diversity of Rocky Mountain National Park, Estes Park Foundation, Stanley Hotel, Estes Park, Colorado.
- March 3, 2014, "A natural history tour of the Galapagos Islands", Monthly guest lecture, Foothills Bird Club, (Presenter) Opler, P. A., Berthoud Community Center, Berthoud, Colorado.
- December 2, 2013, "A Naturalists' Tour of China", Foothills Bird Club, Foothills Bird Club, (Presenter) Opler, P. A., Berthoud Community Center, Berthoud, Colorado.
- September 25, 2013, "Oaks as Ecological Islands for Leaf-mining Moths", Weekly BSPM Seminar, Department of Bioagricultural Sciences and Pest Management, (Presenter) Opler, P. A., Colorado State University, BSPM.
- September 22, 2013, "Conservation status of Colorado moths", High Country Lepidopterists, Colorado State University, Department of Bioagricultural Sciences and Pest Management, (Presenter) Opler, P. A., Plant Sciences Building, CSU, Fort Collins.

September 18, 2013, "Lepidoptera of Grand Staircase - Escalante National Monument", Research and Management of the Colorado Plateau, University of Northern Arizona, (Presenter) Opler, P. A., University of Northern Arizona, Flagstaff.

May 18, 2013, "Butterflies and Moths of Grand Staircase-Escalante National Monument", Public lecture, Grand Staircase-Escalante National Monument, (Presenter) Opler, P. A., National Monument auditorium, Kanab, Utah.

March 12, 2013, "Incredible species richness of blues (Lepidoptera: Lycaenidae): Owens River Drainage, California", Monthly guest seminar, McGuire Center for Lepidoptera and Conservation, Florida Natural History Museum, Gainesville, Florida, (Presenter) Opler, P. A., McGuire Center for Lepidoptera and Conservation.

2012, "Opler, P.A., R.M. Pyle, J. Chu, and E.M. Opler. Butterflies and Birds observed during a 2011 Nature Tour to China. Boulder Audubon Society. Boulder, Colorado. February 2012."

2012, "Opler, Paul A. California oaks and allies as evolutionary and ecological islands for leaf-mining Lepidoptera: host individuals and species populations. Denver, Colo. Joint meeting of Lepidopterists' Society and Societas Europaea Lepidopterologica, July 26, 2012."

2012, "Opler, Paul A. Conservation of Colorado moths (Lepidoptera). Denver, Colo., Joint meeting of Lepidopterists' Society and Societas Europaea Lepidopterologica, July 28, 2012."

2011, "Gilligan, T.M. and M.E. Epstein. 2011. Light brown apple moth/European grapevine moth (Tortricidae) Identification Workshop. National Plant Diagnostic Network Annual Meeting, Berkeley, California (instructor)."

2011, "The 2012 joint meeting of the Lepidopterists' Society and Societas Europaea Lepidopterologica".

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2012	Fall	BSPM799 - Dissertation	18	5
2012	Fall	BSPM487 - Internship	18	1
2012	Spring	BSPM799 - Dissertation	18	7

2011	Fall	BSPM799 - Dissertation	18	7
2011	Spring	BSPM594 - Independent Study	3	3
2011	Spring	BSPM698 - Research	18	12
2011	Spring	BSPM798 - Research	18	12
2010	Fall	BSPM698 - Research	18	18
2010	Fall	BSPM798 - Research	18	12
2010	Spring	BSPM698 - Research	18	14
2010	Spring	BSPM798 - Research	18	10
2010	Spring	BSPM699 - Thesis	18	6
2009	Fall	BSPM698 - Research	18	9
2009	Fall	BSPM798 - Research	18	10
2009	Fall	BSPM699 - Thesis	18	7
2009	Spring	BSPM798 - Research	18	10
2008	Fall	BSPM798 - Research	18	11
2008	Spring	BSPM798 - Research	18	10
2007	Fall	BSPM798 - Research	18	8

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Fall	BSPM423/523 - Advanced insect classification	1	Face to Face
2015	Fall	BSPM403 - Introduction to Insect Classification	2	Face to Face
2014	Fall	BSPM423/523 - Advanced insect classification	1	Mixed (Hybrid)
				Face to Face
2014	Fall	BSPM303A - Introduction to insect classification	1	Mixed (Hybrid)
				Face to Face
2013	Fall	BSPM423/523 - Advanced insect classification	1	Face to Face
2013	Fall	BSPM303A - Introduction to insect classification	2	Face to Face

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Presentation

Butterfly Pollinators of Colorado Buckwheats - Eriogonum. Adult, Loveland, Colorado. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 2nd Quarter 2015.

Butterfly Pollinators of Colorado Buckwheats - Eriogonum. Adult, Golden, Colorado. Number of times program was made: 1. Total number of participants: 125. Percent Responsible: 100%. 3rd Quarter 2015.

Introduction to Butterfly Natural History. Adult, Estes Park, Colorado. Number of times program was made: 2. Total number of participants: 30. Percent Responsible: 100%. 3rd Quarter 2015.

Butterfly Pollinators of Colorado Buckwheats - Eriogonum. Adult, Denver, Colorado. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 4th Quarter 2015.

COMMITTEES

(2011).

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(2011).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Entomological Society of America. (2010 - Present).

Entomological Society of Washington. (2010 - Present).

Lepidopeterists' Society. (2010 - Present).

North American Butterfly Association. (2010 - Present).

Societas Europaea Lepidopterologica. (2010 - Present).

Xerces Society. (2010 - Present).

Entomological Collections Network, Reno, NV. (2011 - Present).

Entomological Society of America, Reno, NV. (2011 - Present).

High Country Lepidopterists, Boulder, CO. (2011 - Present).

Lepidopterists' Society and Societas Europaea Lepidopterologica, Denver, CO. (2011 - Present).

Several. (2011 - Present).

Wedge Entomological Research Foundation, Washington, DC. (2011 - Present).

Member, Entomological Society of America. (2010 - Present).

Member, Entomological Society of Washington. (2010 - Present).

Member, Lepidopeterists' Society. (2010 - Present).

Member, North American Butterfly Association. (2010 - Present).

Member, Societas Europaea Lepidopterologica. (2010 - Present).

Member, Xerces Society. (2010 - Present).

Editor, Senior Editor, Contributions of the C.P. Gillette Museum. (2010 - 2020).

Gillette Museum of Arthropod Diversity. (2010 - 2020).

The Wedge Entomological Research Foundation. (2002 - 2016).

Program Organizer, High Country Lepidopterists, Fort Collins, Colorado. (September 15, 2013 - November 15, 2013).

Contributions of the C.P. Gillette Museum of Arthropod Diversity. (1998 - 2012).

Convener, organizer, and moderator of High Country Lepidopterists 26th annual meeting held at CSU in September. (2010).

Planning committee for 2012 joint meeting of Lepidopterists' Society and Societas Europaea Lepidopterologica in Denver. (2010).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Attendee, Meeting, Larimer County Genealogical Society, Fort Collins, Colorado. (September 2012 - Present).

Fort Collins Chapter of National Audubon Society. (2011 - Present).

The Wedge Entomological Research Foundation. (2002 - 2016).

Fort Collins Audubon Society Board. (2011 - 2013).

Program Organizer, High Country Lepidopterists, Fort Collins, Colorado. (April 2013 - September 2013).
