
Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica

23 - 29 July 2012

Denver Museum of Nature & Science, Colorado, USA



2012
Lepidopterists' Society
and Societas Europaea
Lepidopterologica
Denver, Colorado USA

Amy Helen Chu



The 2012 Lepidopterists' Society Annual Meeting will take place July 23-29 as a combined meeting with the Societas Europaea Lepidopterologica. The meeting will be held at the Denver Museum of Nature & Science (DMNS) in Denver, Colorado, at the foot of the magnificent Rocky Mountains. The 2012 meeting has an expanded program, with three days of talks and symposia, 21 guided field trips to spectacular mountain locations for both collectors and watchers, the traditional BBQ, banquet, and access to one of the most renowned natural history exhibits in the United States at the DMNS. Participants will also have an opportunity to attend a public talk by noted author and Lepidopterist Robert Pyle, visit the world famous Butterfly Pavilion, and access the research collections of the DMNS. A complete schedule for the meeting is provided on the following page.

Registration for the meeting is now open. Early registration is \$115 for non-students and \$85 for students. The Denver Museum of Nature and Science has created an easy to use online registration system for the meeting that can be located at the following web address. PLEASE USE THE ONLINE MEETING REGISTRATION FORM IF POSSIBLE! This will allow you to have the greatest chance of signing up for field trips (which have a participation limit) and obtaining tickets for other events. Detailed descriptions of all events are also provided on this form and on the following pages.

Online registration form:

<http://www.dmns.org/lepidopterists-annual-meeting>

Accommodations are provided by the Red Lion Hotel and are reserved at a special rate of \$69/night (\$89 quad rate). Transportation will be provided to and from the hotel throughout the day and during evening events. Hotel reservations are made on your own using the online registration form link provided above. Although there is no official spouse program, the Red Lion Hotel has many great options for spouses and families. They provide shuttles throughout the Denver area to visit attractions and they will pick you up from the airport. The conference has secured free or discounted tickets for attendees to the Butterfly Pavilion. The Conference Committee is also working on other free or discounted tickets for families and will announce as they are available.

Denver and the State of Colorado are top tourist destinations for travelers from throughout the world and have countless activities for the entire family. Denver offers quick, central, easy access to the area's biggest attraction, the Rocky Mountains, where you can explore various ecosystems in one of the largest and highest mountain ranges in North America. Come to the meeting and bring the entire family for an unforgettable vacation!

Any general conference questions or requests can be directed to lepidopterist@dmns.org or [303-370-6334](tel:303-370-6334).

We hope to see you in Denver in 2012!

- The 2012 Lepsoc Organizing committee (Frank Krell, Todd Gilligan, Chuck Harp, Janet Chu, Paul and Evi Opler, Ximo Baixeras, Deane Bowers, and Mary Ann Hamilton)



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Societas Europaea Lepidopterologica



2012 Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica - Meeting Schedule

Monday, July 23

- Organized butterfly field trips
- Evening moth field trip
- Special overnight trip to Rocky Mountain National Park

Tuesday, July 24

- Registration open (all day)
- Organized butterfly field trips
- Executive Council and committee meetings
- Poster setup (available until Saturday evening)
- Evening welcome reception at the Red Lion Hotel

Wednesday, July 25

- Registration open (all day)
- Student paper competition (all day)
- Vendors open (until Friday evening)
- Evening moth field trip
- Evening event at the Butterfly Pavillion

Thursday, July 26

- Registration open (all day)
- Contributed papers (morning)
- Symposia (afternoon)
- Evening moth field trip
- Evening public talk by Robert Pyle at the Museum

Friday, July 27

- Registration open (all day)
- Contributed papers (morning)
- Symposia (afternoon)
- Group photo (noon)
- Book signings (afternoon)
- Vendors closing (evening)
- Evening barbecue at the Museum

Saturday, July 28

- Registration open (morning)
- Contributed papers (morning)
- Business meeting (afternoon)
- Poster session (afternoon)
- Evening banquet with presentations, awards, and door prizes at the Museum

Sunday, July 29

- Organized butterfly field trips
- Evening moth field trip

2012 Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica - Call for Papers and Posters

If you plan on presenting a paper or poster at the meeting, **PLEASE EMAIL** the following information to:
lepidopterist@dmns.org

Please be sure to include your name, address, and affiliation, even if you have already registered.

Author(s) Information

Presenter
Presenter's address and affiliation
Co-author(s) (if any)
Co-author(s) address and affiliation

Presentation information

Contributed Paper, Student Paper, or Poster? (choose one)
Title
Abstract (150 words or less)

Senior authors are limited to one oral presentation (with the exception of invited symposium speakers). Each contributed paper is limited to 15 minutes (12 minutes for the presentation followed by three minutes for questions). Unless prior arrangement is made, all presentations will need to be in Microsoft Powerpoint. The deadline for contributed papers is June 15, 2012. This completed form (or equivalent) must be received for each contribution by the deadline for inclusion in the printed program.

Please direct any questions to lepidopterist@dmns.org or [303-370-6334](tel:303-370-6334).

2012 Combined Annual Meeting of the Lepidopterists' Society and the Societas Europaea Lepidopterologica - Event Descriptions

RECEPTION, BANQUET, AND EVENTS

Welcome Reception - July 24, 2012

Kick off the conference right, by mingling with your peers at the Welcome Reception. Hors d'oeuvres are served along with a complimentary drink for registrants, courtesy of Bioquip Products. Reservations requested.

Location: Red Lion Hotel Denver Central

Time: 6 p.m. to 8 p.m.

Cost: Free

Butterfly Pavilion Event - July 25, 2012

Take pleasure in a rare opportunity to access the nation's first stand-alone non-profit invertebrate zoo. The Butterfly Pavilion has five exhibit areas: a terrestrial invertebrate museum, a marine invertebrate tide pool, a butterfly flight house, a traveling exhibit hall, and beautiful outdoor habitat gardens. Enjoy a variety of invertebrate species while mingling with your colleagues and their families. Heavy hors d'oeuvres and drinks are served while you enjoy the splendor of this great experience.

Location: Butterfly Pavilion, Westminster, Colorado

Time: 6 p.m. to 8 p.m.

Cost: \$35/person

Barbecue Event - July 27, 2012

Enjoy good company and a down home feast at this informal gathering. You don't want to miss out on this barbecue served with Barbecued Pork Ribs, Chicken Fried Chicken, a variety of salads, and fixin's. Indulge in an array of delicious desserts to wrap up the evening. Cocktails served on Anschutz Sky Terrace until 7 p.m., food will be served in Southeast Atrium. Food served until 8:30 p.m. Prior registration required.

Location: Denver Museum of Nature & Science, Anschutz Sky Terrace and Southeast Atrium

Time: 6 p.m. to 10 p.m.

Cost: \$32/person

Banquet - July 28, 2012

Celebrate colleagues' accomplishments at this formal gathering. Take pleasure in the company of your peers during this presentation, awards, and a delectable feast. A beef entrée, sides, dinner salad, dinner rolls, and a luscious dessert served. Cash bar. Prior registration required.

Location: Denver Museum of Nature & Science, Southeast Atrium

Time: 6 p.m. to 10 p.m.

Cost: \$45/person

SPECIAL EVENT - PUBLIC TALK

Public Talk: Robert Pyle - July 26, 2012

A public talk by noted author and Lepidopterist Robert Pyle is available to registrants and guests. Free for conference attendees ONLY. Additional tickets will be available for purchase at a later date. Information will be sent via e-mail once tickets are available.

Location: Denver Museum of Nature & Science, Phipps Auditorium

Time: 7 p.m.

Cost: Free to conference attendees

PAID FIELD TRIPS

All field trips are led by local experts. Once you sign up for a field trip the leader will coordinate with the group. All field trips will leave from the Red Lion Hotel unless instructed differently by trip leader.

- These Field Trips are PAID
- 1 guest is allowed on trip
- Prices include box meals

Butterfly watching, overnight at Rocky Mountain National Park - July 23 & 24, 2012

Enjoy this two day overnight trip to the pristine Rocky Mountain National Park. This high elevation wilderness is home to many high country species. The trip will include transport, boxed lunch, and guided tours by Rich Bray and Jan Kilgore. Overnight accommodations are on your own through the Baldpate Inn. Email lepidopterist@dmns.org for more information.

Location: Rocky Mountain National Park, Estes Park, Colorado

Time: July 23 to 24, 7:30 a.m. to 7 p.m.

Limited to 14 participants

Cost: \$250/person (includes transport, boxed lunch, guided tours)

Butterfly watching, Rocky Mountain Nat. Park - July 24, 2012

A drive up Trail Ridge Road takes you to the Arctic Circle ecologically. Habitats progress from foothills and mountain ecosystems, with many high altitude plant species. Openings in these cool, dark forests produce wildflower gardens of rare beauty and luxuriance where the blue Colorado columbine reigns. Then the trees disappear when you reach alpine tundra, a harsh, fragile world. Eight miles of the road is above 11,000 feet.

Location: Rocky Mountain National Park, Colorado USA

Time: 7:30 a.m. to 4:30 p.m.

Limited to 60 participants

Cost: \$40/person (includes bus, entrance fees, boxed lunch)

FREE FIELD TRIPS

Each of the field trips are led by local experts. Once you sign up for a field trip the leader will coordinate with the group. All field trips will leave from the Red Lion Hotel unless instructed differently by trip leader.

- These Field Trips are FREE
- Trip leaders will organize transportation with the attendees
- Two guests are allowed on watching trips; In general, NO guests are allowed on collecting or moth trips (up to trip leader)
- Box meals are provided for \$10.00 per box meal

Butterfly Watching Trips

Butterfly watching, Mount Evans - July 23, 2012

Mount Evans is a 14,265 feet (4,348 m) mountain in the Front Range region of the Rocky Mountains with the highest paved road in North America. In the tundra you may see big-horn sheep, mountain goats, ptarmigan, pika and marmots. There will be a stop in the sub-alpine to enjoy flowers and associated butterflies. Program led by Jan Chu and Larry Crowley – watching only.

Location: Mount Evans, Colorado, USA

Time: 8 a.m. to 5 p.m.

Limited to 35 participants

Butterfly watching, Roxborough State Park - July 23, 2012

The park contains high-quality and relatively undisturbed examples of several natural communities, including tall and mixed grass prairie with moist north and east-facing ravines, ponderosa pine, woodlands, Douglas fir forests, Gambel oak thickets. Of special interest is the Colorado State Insect, Colorado Hairstreak *Hypaurotis crysalus*. Led by Gordon Revey and Ellen Shannon this watching trip has an elevation of 5,900 to 7,280 feet.

Location: Roxborough State Park, Colorado, USA

Time: 7:30 a.m. to 3:30 p.m.

Limited to 30 participants

Butterfly watching, Golden Gate State Park - July 24, 2012

The Golden Gate State Park especially the area around Tiny Town and Mt. Lindo are excellent locations for butterfly watching. At an elevation of 7,054 feet, Tiny Town is a unique, one-sixth-size town with more than 100 colorful buildings and a train ride powered by authentic steam locomotive, all nestled into a scenic mountain canyon. Access to Mt. Lindo is limited due to extreme slopes and rock cliffs. There is an historic cemetery and many butterfly hilltopping. Watching trip led by Gordon Revey.

Location: Golden Gate State Park, Mt. Lindo, and Tiny Town, Colorado, USA

Time: 7:30 a.m. to 4:30 p.m.

Limited to 30 participants

Butterfly watching, Plains Conservation Center - July 24, 2012

Networks of incised dry channels, often called arroyos or gullies, are common features of prairie and desert landscapes (approx. 5,280 ft). Thanks to occasional flash floods and the shade provided by their banks, gully networks tend to be zones of high soil moisture that support less drought-tolerant plant species many with unique butterfly species. The deeper and more vegetated channels provide shade for wildlife, and their walls offer burrow and nest sites for birds and small mammals. Program led by Susan Smith and Mike Sipes.

Location: Plains Conservation Center, Aurora, Colorado, USA

Time: 7:30 a.m. to 2:30 p.m.

Limited to 30 participants

Butterfly watching, Walker Ranch - July 29, 2012

Walker Ranch was one of the largest ranches in this area beginning in 1892 when the homestead was filed. Since 1976 the county has controlled management to preserve its fields, Ponderosa Pine forests and historic structures. This team has studied butterflies along the Meyer's Homestead Trail, finding many Rocky Mountain Dotted blues nectaring on their host the wild buckwheat. Canyon Bramble Hairstreak and Common Ringlet fly on this moderately easy trail. Metallic blue Mountain Bluebird families fly close to the trail. Led by Jan Chu, Larry Crowley, Jean Morgan, and Venice Kelly.

Location: Walker Ranch, Boulder County Open Space, Boulder County, Colorado, USA

Time: 8 a.m. to 5 p.m.

Limited to 30 participants

Butterfly watching, Loveland Pass - July 29, 2012

At an elevation of 11,990 feet Loveland Pass provides the perfect terrain for butterfly watching. Along U.S. 6 there are many flowers and copper butterflies. From the aspen and lodgepole forests, drive through sub-alpine Engelmann spruce and Douglas fir forests. Soon you will be above treeline (10,500 – 11,000 ft) and into the fascinating tundra. This fieldtrip is led by Steve Fratello and Christian Nunes.

Location: Loveland Pass, Colorado, USA

Time: 7:30 a.m. to 4:30 p.m.

Limited to 30 participants

Butterfly Collecting Trips**Butterfly collecting, Loveland Pass - July 23, 2012**

Enjoy this high altitude field trip to Loveland Pass, 11,990' and higher. Alpine rock slides and tundra, krumholtz. A variety of trails that access rock slides with a wide variety of alpine Lepidoptera including *Erebia callias*, *E. magdalena*, *E. epipsodea*, *Oeneis melissa*, *O. polixenes*, *Lycaena cupreus snowi*, *Colias meadi*, *Colias scudderii*, small rockslide Noctuidae. Trip lead by Mike Fisher.

Location: Loveland Pass

Time: 7:30 a.m. to 3:30 p.m.

Limited to 20 participants

Butterfly collecting, Berthoud Pass - July 23, 2012

Enjoy this high altitude field trip to Berthoud Pass, 11,315' and higher. Subalpine spruce-fir and krumholtz. Some alpine species such as *Colias scudderii*, *Colias meadi*, *Plebejus cotundra*, and a variety of moths including *Eana georgiella*, *Arctia* sp. Higher elevations may be reached on foot. Led by Steve Spomer.

Location: Berthoud Pass, Colorado USA

Time: 8 a.m. to 5 p.m.

Limited to 20 participants

Butterfly collecting, North Fork, South Platte - July 23, 2012

At an elevation of 6,398 feet Deckers is nestled up to the South Platte River providing an array of species. Enjoy this butterfly collecting trip led by Boyce Drummond.

Location: Deckers, Colorado, USA

Time: 8 a.m. to 5 p.m.

Limited to 20 participants

Butterfly collecting, Loveland Pass - July 24, 2012

Enjoy this high altitude field trip to Loveland Pass, 11,990' and higher. Alpine rock slides and tundra, krumholtz. A variety of trails that access rock slides with a wide variety of alpine Lepidoptera including *Erebia callias*, *E. magdalena*, *E. epipsodea*, *Oeneis melissa*, *O. polixenes*, *Lycaena cupreus snowi*, *Colias meadi*, *Colias scudderii*, small rockslide Noctuidae. Led by Mike Fisher and Steve Cary

Location: Loveland Pass, Colorado USA

Time: 8 a.m. to 5 p.m.

Limited to 20 participants

Butterfly collecting, Berthoud Pass - July 24, 2012

Enjoy this high elevation collecting trip to Berthoud Pass, 11,315' and higher. Subalpine spruce-fir and krumholtz. Some alpine species such as *Colias scudderii*, *Colias meadi*, *Plebejus cotundra*, and a variety of moths including *Eana georgiella*, *Arctia* sp. Higher elevations may be reached on foot. Led by Paul Opler.

Time: 8 a.m. to 5 p.m.

Limited to 20 participants

Butterfly collecting, North Fork, South Platte - July 24, 2012

Deckers, Colorado sits at 6,398, nestled up to the North Fork and South Platte Rivers. Trip led by Boyce Drummond.

Location: Deckers, Colorado USA

Time: 8 a.m. to 5 p.m.

Limited to 20 participants

Butterfly collecting, Berthoud Pass - July 29, 2012

Enjoy this high altitude field trip to Berthoud Pass, 11,315' and higher. Subalpine spruce-fir and krumholtz. Some alpine species such as *Colias scudderii*, *Colias meadi*, *Plebejus cotundra*, and a variety of moths including *Eana georgiella*, *Arctia* sp. Higher elevations may be reached on foot. Led by Paul Opler.

Location: Berthoud Pass, Colorado, USA

Time: 8 a.m. to 5 p.m.

Limited to 20 participants

Butterfly collecting, Cottonwood Pass - July 29, 2012

Explore the South Texas Creek Basin in the Collegiate Peaks Wilderness adjacent to Cottonwood Pass. The South Texas Creek Basin is a spectacular, pristine alpine/subalpine basin with Mt. Harvard and other 14,000 footers in the splendid scene. Habitat includes an extensive alpine willow bog (*Colias scudderi*), subalpine spruce forest, varied and extensive alpine meadows, numerous boulder fields (*E. magdalena*, *L. snowi*, *C. w. damoetas*). Collecting opportunities of three *Erebia* spp., four *Oeneis* spp. and many others in this famed and exquisite high country Colorado locale. This program is led by Steve Fratello.

Location: Cottonwood Pass, Chaffee/Gunnison Counties, 12 mi. W. of Buena Vista, Colorado, USA

Time: 6:30 a.m. to 6:30 p.m.

Limited to 15 participants

Moth Collecting and Watching Trips**Moth Collecting and Watching, Chatfield Lake State Park - July 23, 2012**

Enjoy this evening trip led by Chuck Harp, Research Associate at the Denver Museum of Nature & Science. You are likely to find *Catocala junctura*, *aholibah*, *violenta*, *ilia*, *amatrix* and *verrilliana* at this 5,500' foothills prairie with riparian forest and gambel oaks. Three community collecting sheets are set up and the location is near restrooms and parking. It is a great location for those with limited or no equipment, as well as easy access for watchers. Afterward, the group will join members of The Audubon Society at the Lockheed-Martin Pavilion for identification.

Location: Chatfield Lake State Park, Littleton, Colorado, USA

Time: 7 p.m. to 2 a.m.

Limited to 35 participants

Moth collecting and watching, Kenosha Pass, Pike National Forest - July 25, 2012

Enjoy this moth watching and collecting night fieldtrip to Kenosha Pass in the Pike National Forest. This 10,000' aspen/coniferous forest has wet meadows. Three community collecting sheets are available and the location is near restrooms and parking. Program led by Chuck Harp, Research Associate, Denver Museum of Nature & Science. No accommodations provided.

Location: Kenosha Pass, Pike National Forest

Time: 7 p.m. to overnight

Limited to 35 participants

Moth collecting and watching, Roggen sandhills, Weld County - July 26, 2012

The Roggen sandhills consist of sand sage and rolling sandhills at an elevation of 4,800 feet. This area is good for tortricids and known for *Schinia regina*, *reniformis*, *sexplagiata*, *mortua*, *jaguarina*, *meadi*, *bicuspidata*, *simplex*, and *diffusa*. Collecting will be split into two locations about 2 miles apart. Community collecting sheets will allow attendees the opportunity to collect along or into the sandhills habitat. Program led by Chuck Harp, Research Associate, Denver Museum of Nature & Science.

Location: Roggen sandhills, Mentzelia, Weld County, Colorado, USA

Time: 8 p.m. to overnight

Limited to 30 participants

Moth collecting and watching, Cottonwood Pass - July 29, 2012

Join us for a high elevation (12,000') evening moth trip to Cottonwood Pass in Gunnison and Chaffee Counties. This open area provides a great opportunity for collecting and watching for *Xestia*, high altitude *Apamea zeta nichollae* and *Euxoa*, *Polia rogenhoferi*, *Sympistis* and *Lasionycta* species. Three community sheets will allow those without equipment to participate. No accommodations provided. Led by Chuck Harp, Research Associate, Denver Museum of Nature & Science.

Location: Cottonwood Pass, Chaffee/Gunnison Counties, 12 mi. W. of Buena Vista, Colorado, USA

Time: 4 p.m. to 3 a.m.

Limited to 40 participants

