

THE LEPIDOPTERISTS' SOCIETY

28th ANNUAL MEETING

Concurrent with the
PACIFIC SLOPE SECTION
24th Annual Meeting

FEATURING:

SYMPOSIUM: The Higher Classification of Lepidoptera

SYMPOSIUM: The Biology of Rocky Mountain Lepidoptera

A Wide Variety of Scientific Papers

Karl Jordan Address by Don R. Davis

Banquet Speaker F. Martin Brown

Xerces Society Meetings

Informal Meetings and Field Trips



To Be Held at The Harvest House
(Adjacent to the University of Colorado Campus)
1345 Twenty-eighth Street
Boulder, Colorado 80302

Thursday through Sunday, 21-24 July 1977

CO-SPONSORED BY:

University of Colorado Museum

Association of Rocky Mountain Lepidopterists

PROGRAM

LEPIDOPTERISTS' SOCIETY 1977 MEETING

(All sessions in the Penthouse, Fifth Floor, Harvest House,
except as otherwise indicated)

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THURSDAY AFTERNOON AND EVENING 21 JULY

- 1:00 - 6:00 Registration, Harvest House Lobby.
- 2:00 - 5:00 Executive Council and Publications Committee Meeting. Flatirons Room, Harvest House.
- 2:00 - 5:00 Open House at University of Colorado Museum, Department of Entomology. Map showing how to get there will be posted at the Harvest House.
- 6:00 Picnic. Harvest House (exact site will be announced at Registration, where tickets will also be sold).

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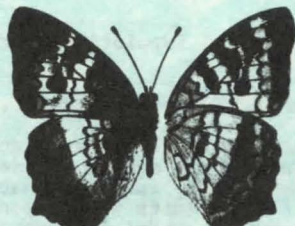


FRIDAY MORNING 23 JULY

Opening Session (Ray E. Stanford, Presiding)

- 8:30 welcome Message. Peter Robinson, Director, University of Colorado Museum, Boulder, Colorado.
- 8:40 Announcements. Ray E. Stanford.
- 8:50 Biology of the Papilio indra complex (Papilionidae). John F. Emmel.
- 9:15 A New/Old Classification of the Lycaenidae. Lee D. Miller and F. Martin Brown.
- 9:40 Interactions between Native and Introduced Species of Cabbage Butterflies (Pieridae). Frances S. Chew.
- 10:00 Patterns and Predators in Bahamian Anaea (Nymphalidae/Apaturidae). Harry K. Clench.
- 10:20 RECESS
- 10:35 Adult Movement Patterns in Euphydryas (Nymphalidae). Raymond R. White.
- 10:55 Inter-Specific Hybridization among Nearctic Limenitis (Nymphalidae) and its Evolutionary Implications. Austin P. Platt.
- 11:20 Sperm Utilization in Double Matings of Limenitis arthemis (Nymphalidae). James F. Allen.
- 11:40 The Behavioral and Physiological Convergence of Thermo-regulatory Strategies in Arctic Butterflies. Matthew M. Douglas.
- 12:00 Lunch (No Host).

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FRIDAY AFTERNOON 22 JULY

SYMPOSIUM: Recent Advances in the Higher Classification of Lepidoptera

(Jerry A. Powell, Presiding)

- 1:30 Introduction and Historical Review. Jerry A. Powell.
2:00 The Primitive Suborders: Zeugloptera, Dacnonypha and Monotrysia. Don R. Davis.
2:40 Recent Advances in Superfamily Concepts among Glyphipterygid, Choreutid and Related Moths. John B. Heppner.
3:10 RECESS
3:25 Higher Classification of the Gelechioidea. Ronald W. Hodges.
3:55 Higher Classification of the Pyraloidea (to be read in Dr. Munroe's absence). Eugene G. Munroe.
4:15 Recent Contributions of Larval Studies to Superfamily Concepts. Frederick W. Stehr.
4:45 Discussion and Summary. Jerry A. Powell.

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FRIDAY EVENING 22 JULY

Informal Session (Slide Fest)

At home of J. Donald Eff, 445 Theresa Drive, Fairview Estates, Boulder. Bus will leave Harvest House at 7:15 and return about 10:15 pm; tickets will be on sale for \$1 at Registration and on board the bus prior to leaving the Harvest House.

- 7:30 Some Butterfly Food Plants and Type Localities. J. Willis Tilden.
7:50 Rediscovery of Schreckensteinia felicella Walsingham. Jerry A. Powell.
8:05 Unusual and New Ghost Moths (Hepialidae) from North America. Norman B. Tindale.
8:25 Colorado Butterflies and Flowers. Oscar O. Otto, Jr.
8:45 Open Program. Signup sheet will be available in advance, and attendees will present in order. Slides are welcome on any aspect of lepidoptery, including habitats, specimens, foodplants, people. Time limits will depend on number of persons wishing to present material. Don Eff will show portions of his collection to interested persons during and/or following the Slide Fest. Refreshments will be available.

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SATURDAY MORNING 23 JULY

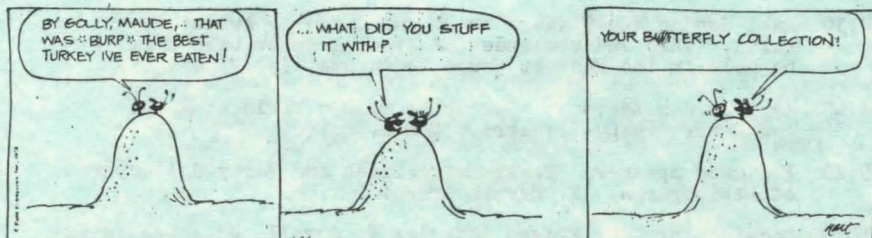
General Session (Clifford D. Ferris, Presiding)

- 8:30 Announcements. Ray E. Stanford.
- 8:35 Compacted Storage: Modern Technology Solves the Perennial Museum Space Problem. Julian P. Donahue.
- 8:55 A Scientific Data Abbreviation System as Applied to Field Notes and Specimen Labels. Clyde F. Gillette
- 9:15 Some Thoughts on Lepidoptera Origins. Norman B. Tindale.
- 9:35 Lepidopterists in America before Columbus. Benjamin H. Landing.
- 9:45 Some European Natural History Museums: Lepidoptera Collections and Colleagues. John B. Heppner.
- 10:00 Notes on Oviposition and Mating in Speyeria (Nymphalidae). Richard A. Arnold.
- 10:20 RECESS
- 10:35 Some Taxonomic Considerations in the Castniidae. Jacqueline Y. Miller.
- 10:55 Differentiating Gold-Banded Skippers (Hesperiidae: Autochton). John M. Burns.
- 11:15 Ecology of High-Altitude Pierini in Colombia. Arthur M. Shapiro.
- 11:40 Evolutionary Relationships between some Mitoura (Lycaenidae) and their Cupressaceous hosts. John Lane.
- 12:00 Xerces Society Luncheon Meeting. Flatirons Room, Harvest House. No-Host Lunch Recess for other Attendees.

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B. C.

By Johnny Hart



SATURDAY AFTERNOON 23 JULY

SYMPOSIUM: Biology of Rocky Mountain Lepidoptera

(F. Martin Brown, Presiding)

- 1:30 Introductory Comments. F. Martin Brown.
- 1:45 Relict Moths in Colorado. Karolis Bagdonas.
- 2:15 Relict Arctiidae in Colorado. Ira Heller.
- 2:35 Notes on Pine-Feeding Microlepidoptera in Colorado. Robert E. Stevens.
- 2:55 Colorado Sphingidae. William E. Sieker.
- 3:15 RECESS
- 3:30 Natural Enemies of the Pine Butterfly, Neophasia menapia (Pieridae) in Montana. Steven J. Kohler.
- 3:50 The Natural History of Erebia magdalena (Satyridae): Do the Larvae Really Eat Rocks? Robert M. Pyle.
- 4:10 Butterfly Ecology in a Small Habitat: Red Rocks Park, Denver, Colorado. Marc Epstein.
- 4:30 Quiet Disappearance of Critical Habitats in the Rocky Mountains. Clifford D. Ferris.
- 4:50 Summary and Closing Comments. F. Martin Brown.

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SATURDAY EVENING 23 JULY

ANNUAL BANQUET

- 6:00 Social Hour. Harvest House Patio and Century Room.
- 7:00 Steak Fry. Harvest House Patio and Century Room.
- 8:30 Karl Jordan Medal award to Don R. Davis by Arthur C. Allyn. This and remainder of evening activities will be held in the Harvest House Penthouse, 5th Floor.
- 8:40 Karl Jordan Address: The Subterranean World of Moths and Other Creepy-Crawlers. Don R. Davis.
- 9:10 Featured Speaker: Early Butterflies and Early Collectors of Lepidoptera. F. Martin Brown.
- 10:00 Drawing for Door Prizes (Charles V. Covell, Jr., Presiding)

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SUNDAY MORNING 24 JULY

General Session (Charles V. Covell, Jr., Presiding)

- 8:30 Introductory Comments. Charles V. Covell, Jr.
8:40 Butterfly Diversity in New Mexico. Michael E. Toliver.
9:00 Watercourses as Butterfly Corridors. Robert M. Pyle.
9:20 Endangered Butterflies of the San Bruno Mountains of California. Richard A. Arnold.
9:40 The California Butterfly Farmers: Charles and Ximena McGlashan. Jeannine Oppewall.
10:00 RECESS
10:15 Progress in the Conservation of North American Lepidoptera. Paul A. Opler.
10:35 The Xerces Society July Fourth Butterfly Count. Mary Hathaway.
10:55 Comments and Research on the Thessalia leanira complex (Nymphalidae) in Western North America. Michael J. Smith.
11:15 Some Habits of Battus philenor (Papilionidae). Jo Brewer Winter.
11:35 Presidential Address. Stanley S. Nicolay, President of the Lepidopterists' Society.
12:00 Lunch (No Host)

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SUNDAY AFTERNOON 24 JULY

- 1:30 Society Business Meeting (Stanley S. Nicolay, Presiding).
2:30 Pacific Slope Section Business Meeting (Jerry A. Powell, Presiding)
3:00 Collecting Trip Planning Meeting (J. Donald Eff, Presiding)
4:00 Xerces Society Board of Directors Meeting at Stanfords' Cabin (Map will be distributed and carpools formed).

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NOTES

1977 Officers and Editors

President	Stanley S. Nicolay
President-Elect	J. Willis Tilden
First Vice-President	Miriam Rothschild
Vice-Presidents	Theodore D. Sargent Carlos R. Beutelspacher
Secretary	Julian P. Donahue
Treasurer	John M. Snider
Editor of the <u>Journal</u>	George L. Godfrey
Editor of the <u>News</u>	Jo Brewer Winter
Editor of the <u>Memoirs</u>	Charles V. Covell, Jr.

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Committees for 1977 Meeting

Program	Ray E. Stanford, Chairman F. Martin Brown Clifford D. Ferris Jerry A. Powell
Local Arrangements	Ray E. Stanford, Chairman J. Donald Eff Url Lanham (CU Museum) Jan Intine (Harvest House) Katharine Stanford
Field Trips	J. Donald Eff, Chairman
Door Prizes	Charles V. Covell, Jr., Chairman

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Important Telephone Numbers

Hilton Harvest House (Meeting Headquarters)	(303) 443-3850
Ray E. Stanford (If not at Harvest House)	(303) 377-1332
J. Donald Eff	(303) 494-7582

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Acknowledgments:

We acknowledge with thanks the assistance and co-operation of the following individuals and organizations:

- University of Colorado Museum (Peter Robinson; Url Lanham)
- Boulder Conference and Visitors Bureau
- Colorado Convention and Visitors Bureau
- U.S. Geologic Survey, Map Section, Federal Center, Colorado
- Entomological Reprint Specialists (Julian P. Donahue)
- Combined Scientific Supplies (Terry Taylor)
- BioQuip Products (Richard Fall)
- Clair Armin
- All others who have helped in many ways