

37th ANNUAL MEETING



THE LEPIDOPTERIST'S SOCIETY

23-27 May 1986
Carleton University
Ottawa, Canada

Sponsored By
Biosystematics Research Institute
Agriculture Canada
Ottawa, Ontario

PROGRAM & ORGANIZATIONAL COMMITTEE

Don Lafontaine (Chairman). P.T. Dang,
Suzanne Allyson, Peter Hall, Ross
Layberry.

Photo Salon organized by John Fowler.



THE EPIDEMIO-GRAPHIC SOCIETY

19-21 May 1984
Carleton University
Ottawa, Ontario

Sponsored by
Epidemiology and Infection
Journal of Hygiene
Please contact

PROGRAM

Friday - 23 May 1986

- 1:00-5:00 p.m. Registration: -
University Commons
(Carleton University
Residence)
- 1:00-4:00 p.m. Executive Council
Meeting: University
Commons
- 1:00-5:00 p.m. Open House: Canadian
National Collection,
Neatby Building, Central
Experimental Farm (see map
for directions).
- 5:00 p.m. Dinner: Open. Most
participants will be
eating in the University
Commons. Those not
staying in residence can
purchase a meal ticket.
- 7:00-10:00 p.m. Open House at the
Lafontaine's: 89
Burnbank Street, Nepean
(see map for directions).
There will be several
models of light traps and
bait traps in operation.

Saturday - 24 May 1986

8:15 a.m. Registration: Room C264
Loeb Bldg.

SESSION 1
Room C264 Loeb Bldg.

J.D. Lafontaine, Chairperson
Biosystematics Research Institute,
Ottawa

- 8:30 a.m. Welcome to Ottawa: J.D.
Lafontaine, Biosystematics
Research Institute, Ottawa.
- 8.45 a.m. Presidential Address:
Unexplored horizons - the role
of the amateur Lepidopterist.
Clifford D. Ferris, University
of Wyoming, Laramie.
- 9:15 a.m. Breaking the rules: courtship
and mating in Parnassius
butterflies. Boyce A.
Drummond, Colorado Outdoor
Education Center, Florissant.
- 9:30 a.m. Mortality in Euphydryas
gillettii: sources and some
measurements. Ernest H.
Williams, Hamilton College,
Clinton, New York.
- 9.45 a.m. Developmental and structural
constraints: why are Nystaleine
genitalia so variable. Susan
Weller, University of Texas,
Austin.
- 10:00 a.m. Coffee Break.

SESSION 2

Adaptations to Host Plants

Peter W. Hall, Chairperson
Communications Branch,
Agriculture Canada, Ottawa

10:20 a.m. Evolution of host associations in the Papilionidae: coevolution or colonization. James S. Miller, Smithsonian Institution, Washington, D.C.

10:40 a.m. Evolution of feeding strategies in Tortricidae: the scene from root to fruit. Richard L. Brown, Mississippi State University.

11:00 a.m. Antipredator adaptations of the feeding behavior of swallowtail caterpillars. Sylvio G. Codella Jr. and Robert C. Lederhouse, Rutgers University, Newark, New Jersey.

11:20 a.m. Chemical defence in Eumaeus atala (Lycaenidae). Deane Bowers, Colorado State University, Fort Collins.

11:40 a.m. Larvae of the North American species of Agrotis (Noctuidae). Kenneth A. Neil, Kentville, Nova Scotia.

11:55 a.m. Lunch: Open.

SESSION 3

Symposium: Endangered Lepidoptera
Room C264 Loeb Bldg.

Dale F. Schweitzer, Chairperson
Nature Conservancy, Boston,
Massachusetts.

- 1:15 p.m. Opening Remarks: Dale F. Schweitzer, Chairperson.
- 1:20 p.m. The status of eight potentially endangered butterflies and moths in Ohio. John A. Shuey, The Ohio Lepidopterists, Columbus.
- 1:45 p.m. Conservation and management of prairie butterflies. Robert P. Dana, Dept. of Entomology, University of Minnesota, St. Paul.
- 2:10 p.m. A survey of Lycaeides melissa samuelis (Lepidoptera, Lycaenidae) in Sherburne National Wildlife Refuge, Minnesota. Steven J. Mueller, Howard Christensen Nature Center, Grand Rapids, Michigan.
- 2:35 p.m. A new species of Hemileuca (Saturniidae) in the maia group from the Lake Ontario area. John F. Cryan, New York, N.Y. and Robert Dirig, Ithaca, New York.
- 3:00 p.m. Coffee break.

SESSION 3 Cont'd.

- 3:20 p.m. The Schaus Swallowtail
(Papilio aristodemus
ponceanus): A status report.
Charles V. Covell Jr.,
University of Louisville,
Kentucky and Thomas C. Emmel,
University of Florida,
Gainesville.
- 3:45 p.m. Lepidoptera conservation
strategies: prioritizing
needs and implementing
protection. Dale F.
Schweitzer, Nature
Conservancy, Boston,
Massachusetts.
- 4:10 p.m. Open discussion.
- 6:30 p.m. Picnic -(Tickets required).
Vincent Massey Park (see map
for details).

Sunday - 25 May 1986

SESSION 4

Evolution

P.T. Dang, Chairperson
Biosystematics Research Institute,
Ottawa

- 8:30 a.m. The higher classification of the Neotropical Castniidae. Jacqueline Y. Miller, Allyn Museum of Entomology, Sarasota, FL.
- 8:45 a.m. Systema Scythrididae Nearcticorum: a modern Linnean exercise on forgotten Microlepidoptera. Jean-François Landry, University of Alberta, Edmonton and Biosystematics Research Center, Ottawa.
- 9:05 a.m. A preliminary cladistic analysis of the Pyraliformes (sensu Munroe) (Lepidoptera: Pyralidae). Maria Alma Solis, University of Maryland, College Park.
- 9:20 a.m. Survey of the immature stages of Nearctic Depressariinae (Oecophoridae) with an examination of Gelechioidea evolution. Steven Passoa, University of Illinois, Urbana.
- 9:40 a.m. Classification of the Dichomeridinae. Ronald W. Hodges, United States Department of Agriculture, Washington, D.C.
- 10:00 a.m. Coffee Break.

PARKING

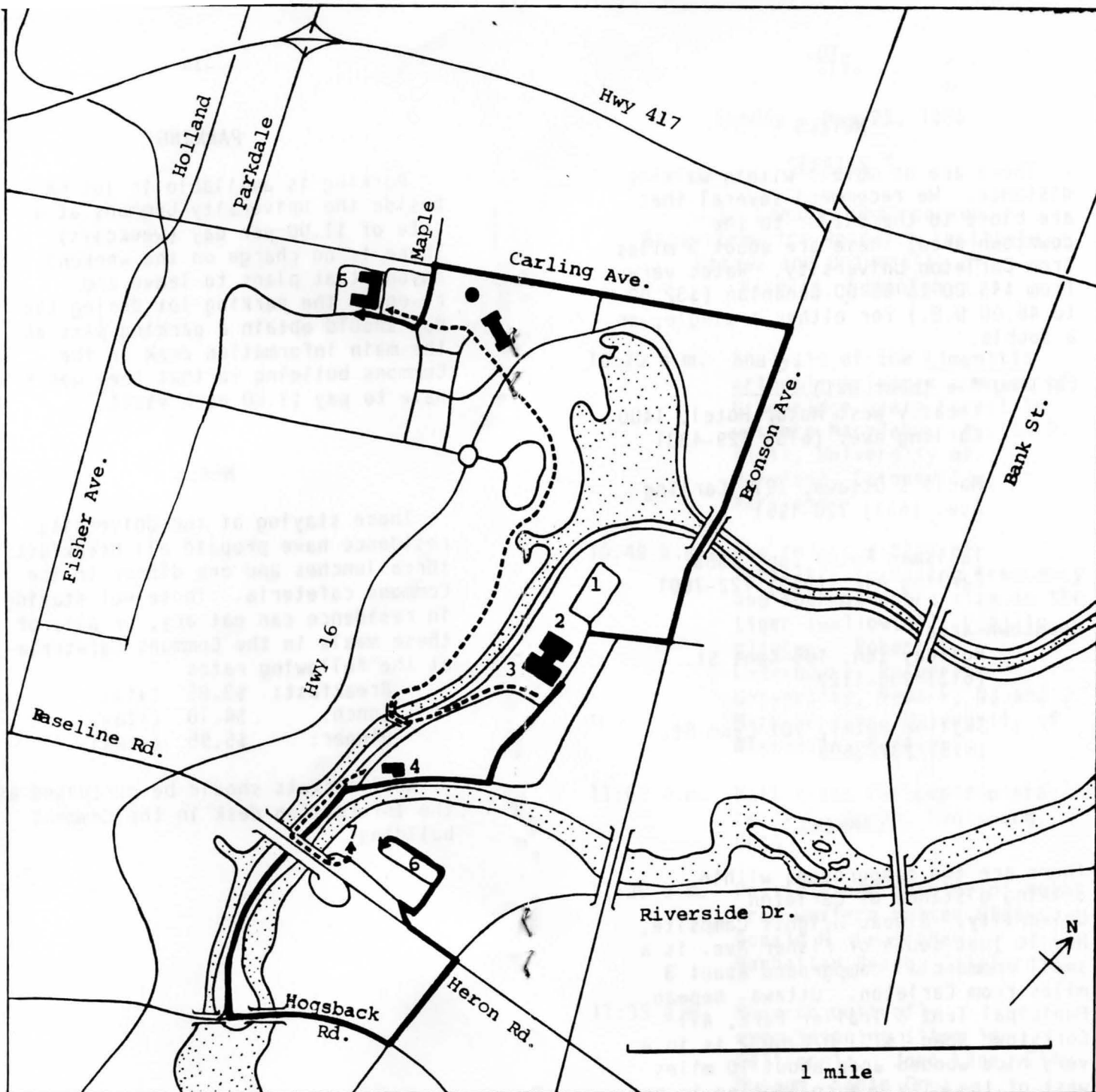
Parking is available in lot 6A beside the University Commons at a rate of \$1.00 per day (weekdays). There is no charge on the weekend. Anyone that plans to leave and re-enter the parking lot during the day should obtain a parking pass at the main information desk in the Commons building so that they won't have to pay \$1.00 each visit.

MEALS

Those staying at the University residence have prepaid all breakfasts, three lunches and one dinner in the Commons cafeteria. Those not staying in residence can eat any, or all, of these meals in the Commons cafeteria at the following rates

Breakfast:	\$3.85	(+tax)
Lunch:	\$4.10	(+tax)
Dinner:	\$5.95	(+tax)

Meal tickets should be purchased at the Information desk in the Commons building.



- 1 Parking Lot 6A, Carleton University
- 2 University Commons Bldg.
- 3 Residence
- 4 Loeb Bldg.

- 5 Biosystematics Research Institute
(Canadian National Collection)
- 6 Parking Lot, Vincent Massey Park
- 7 Picnic Area G, Vincent Massey Park

— Driving Routes to 5 & 7

- - - Walking Routes to 5 & 7

MOTELS

There are no motels within walking distance. We recommend several that are close to the BRI or to the downtown area; these are about 3 miles from Carleton University. Rates vary from \$45.00 to 65.00 Canadian (\$32.00 to 46.00 U.S.) for either a single, or a double.

Carling Ave (near BRI)

Embassy West Motor Hotel, 1400
Carling Ave. (613) 729-4331

Macie's Ottawa, 1274 Carling
Ave. (613) 728-1951

Talisman Motor Inn, 1363
Carling Ave. (613) 722-7601

Downtown area

Holiday Inn, 100 Kent St.
(613) 238-1122

Skyline Hotel, 101 Lyon St.
(613) 237-3600

CAMPING

There are two campgrounds within driving distance of Carleton University. Rideau Heights Campsite, Hwy 16 just south of Fisher Ave. is a small commercial campground about 3 miles from Carleton. Ottawa- Nepean Municipal Tent & Trailer Park, 411 Corkstown Road (613) 828-6632 is in a very nice wooded area about 10 miles west of the city but collecting is not permitted.

Sunday - May 25, 1986

SESSION 5

J.F. Landry, Chairperson
Biosystematics Research Institute
Ottawa and University of
Alberta, Edmonton

- 10:20 a.m. Analysis of the Limenitis arthemis-astyanax complex of Greenridge State Forest in western Maryland. Austin P. Platt, University of Maryland, Catonsville, Maryland.
- 10:40 a.m. The relationships of fertility to mating frequency and spermatophore size in the tiger swallowtail, Papilio glaucus. Robert C. Lederhouse, Rutgers University, Newark, NJ and J. Mark Scriber, University of Wisconsin, Madison.
- 11:00 a.m. Bait traps for Lepidoptera. Leroy C. Koehn, Huntsburg, Ohio.
- 11:20 a.m. Possible new species of moths from western United States. Ronald H. Leuschner, Manhattan Beach, California.
- 11:35 a.m. Monarch butterfly overwintering sites in California. John Lane, City Museum, Santa Cruz, California.
- 11.55 a.m. Group photograph: outside of the Loeb Building.
- 12.10 p.m. Lunch: Open.

SESSION 6

Faunistics

Austin C. Platt, Chairperson
University of Maryland, Catonsville

- 1:30 p.m. New Lepidoptera records from Wyoming Wilderness Areas. Karolis Bagdonas, Casper, Wyoming.
- 1:50 p.m. The other side of the Bering Sea: return to NE Siberia. Kenelm W. Philip, University of Alaska, Fairbanks.
- 2:10 p.m. Three new species of carpenter moths from the United States and Costa Rica. Julian P. Donahue, Natural History Museum, Los Angeles, California.
- 2:30 p.m. Some comments on the Canadian Geometridae and their food plants. W.C. McGuffin, Biosystematics Research Institute, Ottawa.
- 2:45 p.m. Observations on the butterflies of Great Inagua Island, Bahamas. Lee D. Miller, Allyn Museum of Entomology, Sarasota, Florida.
- 3:00 p.m. Coffee break.

SESSION 7

Karolis Bagdonas, Chairperson
University of Wyoming, Casper

- 3:20 p.m. False head patterns of
lycaenid butterflies - some
geographic aspects.
Benjamin H. Landing, Los
Angeles, CA.
- 3:40 p.m. Identification of hairstreaks
in the "spurina / zebina"
complex from northern Mexico
and southern Texas. Robert
K. Robbins, Smithsonian
Institution, Washington, D.C.
- 4:00 p.m. Microcomputers as tools for
collection management.
Kenelm W. Philip, University
of Alaska, Fairbanks, Alaska.
- 4:20 p.m. A light weight light trap
equipped with electrifying
central panels for collec-
ting nocturnal Lepidoptera.
P.T. Dang, Biosystematics
Research Institute, Ottawa.

BANQUET

(Tickets required)

Sunday - 25 May 1986

University Common, Carleton University

6:00 p.m. Cash bar

7:00 p.m. Banquet

8:00 p.m. Photo Salon
slide show.

THE KARL JORDAN PROGRAM

Clifford D. Ferris,
President of the Lepidopterists'
Society

8:15 p.m.

Opening remarks. Lee D. Miller,
Allyn Museum of Entomology, Florida
State Collection of Arthropods,
Sarasota, Florida.

8:30 p.m.

Presentation of the Karl Jordan Medal
to Frederick H. Rindge, American
Museum of Natural History, New York,
by President Ferris.

8:40 p.m.

The Karl Jordan Address by Dr. Rindge.

DOOR PRIZES

(Keep your banquet ticket stubs)

Charles V. Covell, Jr.
Master of Ceremonies

Monday - 26 May 1986

SESSION 8

Room C264 Loeb Bldg.

J.D. Lafontaine, Chairperson
Biosystematics Research Institute,
Ottawa

- 9:00 a.m. Secondary contact between genitalic differentiates, Pyrgus communis and P. albescens (Hesperiidae). John M. Burns, Smithsonian Institution, Washington, D.C.
- 9:20 a.m. Notes on the occurrence of Erythroecia hebardii (Noctuidae) in Ohio. Eric H. Metzler, Jeffrey D. Hooper and William F. Babcock, Columbus, Ohio.
- 9:40 a.m. Weediness and hostplant adaptations of pierid butterflies. F. Chew, Tufts University, Medford, Massachusetts.
- 10:00 a.m. Coffee break.
- 10:20 a.m. Annual business meeting and installation of new president.
- 11:30 a.m. Adjournment.

1:15 p.m. Depart from University
Commons for afternoon
field trips.

6:00 p.m. Field trip groups meet at
Constance Bay for picnic
and evening light trapping.

Tuesday - 27 May 1986

9:00 a.m. Depart for field trips.