

THE LEPIDOPTERISTS' SOCIETY

29th ANNUAL MEETING

FEATURING SYMPOSIA ON

**MAGIC WELLS OF RESEARCH
ON THE LEPIDOPTERA**

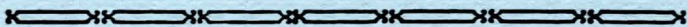
and

**PROGRESS OF REGIONAL
LEPIDOPTERA FAUNAL SURVEYS**



**Sponsored by
The University of Louisville
to be held in
101 Life Sciences Building
Belknap Campus, University of Louisville
Kentucky**

July 6 — 9, 1978



The public is cordially invited to
attend the sessions of this meeting.

PROGRAM

THURSDAY, JULY 6

- 1:00-5:00 P.M.** **Registration** in foyer of 101 Life Sciences Building, Belknap Campus, University of Louisville
- 2:00-5:00 P.M.** **Executive Council Meeting**, 335 Life Sciences Building
- 3:00-5:30 P.M.** **Field trip** to Horner Bird & Wildlife Sanctuary, Oldham County, Ky. (depart from registration desk)
- 8:00-11:00 P.M.** **Open house** at the Covells', 2333 Brighton Drive (see map at registration desk; dress informally)

FRIDAY MORNING, JULY 7

- 8:30-12:00 noon** **Registration** outside 101 Life Sciences Building
- 9:00-9:40 A.M.** **Opening of the meeting** by J.W. Tilden, President of the Society. Welcoming addresses:
 Dr. James G. Miller, President, University of Louisville
 Dr. Burt L. Monroe Jr., Chairman, Department of Biology
Announcements: Charles V. Covell Jr.
- 9:40-10:00A.M.** **Seasonal dimorphism in *Eurema दौरा* in Costa Rica.** Paul A. Opler, Office of Endangered Species, Washington, D.C.
- 10:00-10:20 A.M.** **A possible case of hybrid speciation in a Bahaman butterfly.** Harry K. Clench, Carnegie Museum, Pittsburgh, Pa.
- 10:20-10:40 A.M.** **Coffee break**

- 10:40-11:00 A.M. Butterfly collecting in the Panama Canal Zone.** Al Thurman, Ft. Gulick, Canal Zone.
- 11:00-11:20 A.M. Notes on a possible relict population of *Limenitis arthemis* in the southern Appalachians.** James R. Maudsley, Univ. of Georgia, Athens, Ga.
- 11:20-11:40 A.M. Some genetic mutants of *Limenitis*.** Austin P. Platt, Univ. of Maryland Baltimore Co., Catonsville, Md.
- 11:40-12:00 A.M. A visit to the British Museum (Natural History).** J.W. Tilden, San Jose, Calif.
- 12:15 P.M. Group photograph** will be taken outside Life Sciences Building. Orders should be placed prior to this time.

FRIDAY, JULY 7, AFTERNOON SESSION

SYMPOSIUM: MAGIC WELLS OF RESEARCH ON THE LEPIDOPTERA

Dr. Lincoln P. Brower, Moderator

- 1:30-2:10 P.M. Overwintering ecology of the Monarch Butterfly in California.** Paul M. Tuskes, Plantation Key, Fla.
- 2:10-2:50 P.M. Natural mortality at five overwintering sites of the Monarch Butterfly in Mexico.** William H. Calvert, Amherst College, Amherst, Mass.
- 2:50-3:30 P.M. The Monarch Butterfly: Past, present and future research directions.** Lincoln P. Brower, Amherst College, Amherst, Mass.
- 3:30-3:50 P.M. Coffee break**
- 3:50-4:20 P.M. Protective strategies in *Catocala*.** Theodore D. Sargent, Univ. of Massachusetts, Amherst, Mass.

- 4:20-4:40 P.M. Unpalatability in the Baltimore Checkerspot, *Euphydryas phaeton*: The effect of larval diet.** Deane Bowers, Univ. of Massachusetts, Amherst, Mass.
- 4:40-5:00 P.M. Allopatric Batesian Mimicry effected by migratory predators: Possible examples in North America, Africa, Asia, and Australia.** Benjamin H. Landing, Los Angeles Calif., and James E. Landing, Chicago, Ill.
- 4:20-5:45 P.M. WORKSHOP ON DISSECTION OF LEPIDOPTERA GENITALIA.** Dr. J.F.G. Clarke, U.S. National Museum of Natural History, Washington, D.C. (For those who signed up; Room 321 Life Sciences Bldg.)

FRIDAY EVENING, JULY 7

- 7:30-9:30 P.M. WORKSHOP ON ILLUSTRATION OF LEPIDOPTERA.** Elaine R. Hodges and George L. Venable, U.S. National Museum of Natural History, Washington, D.C.; William H. Howe, Ottawa, Kans.; and Yin-Rei Hicks, Henryville, Ind. (Actual participation for those signing up; but others welcome to observe; Rooms 319 and 321 Life Sciences Bldg.).
- 8:30-10:30 P.M. Informal slide fest;** all in attendance are invited to present slides and brief talks about any topic having to do with Lepidoptera. Jo Winter, Dedham, Mass. & John MacGregor, Nicholasville, Ky. Room 101 Life Sciences Building.

SATURDAY MORNING, JULY 8

- 9:00-9:10 A.M. Announcements —** C.V. Covell Jr.
- 9:10-9:30 A.M. Competitive interaction among aquatic pyralid moths.** Paul M. Tuskes, Plantation Key, Fla.

- 9:30-9:50 A.M. Current status of rare Colorado Sphingidae and Saturniidae.** Karolis Bagdonas, Univ. of Wyoming, Laramie, Wyo.
- 9:50-10:00 A.M. Effect of killing procedure on wing color in *Mesothea incertata incertata* (Walker) (Geometridae).** William D. Winter, Jr., Dedham, Mass.
- 10:00-10:20 A.M. Notes on the higher classification of North American Geometridae.** Douglas C. Ferguson, U.S. National Museum of Natural History, Washington, D.C.
- 10:20-10:40 A.M. Coffee break**
- 10:40-10:50 A.M. The Jones *Icones*.** Jaqueline Y. Miller, Allyn Museum of Entomology, Sarasota, Fla.
- 10:50-11:15 A.M. Progress of *Memoir #2* of the Lepidopterists' Society, the Brown & Miller *Synonymic Catalog to North American Butterflies*.** Lee D. Miller, Allyn Museum of Entomology, Sarasota, Fla.
- 11:15-11:35 A.M. Cladistic and vicariant relationships of worldwide *Callophrys* (sens. lat.).** Kurt Johnson, City Univ. of New York, New York City.
- 11:35-11:55 A.M. Glacial and drainage history and man's intervention in Illinois: Effects on distribution of *Rhopalocera*.** David F. Hess, Western Illinois Univ., Macomb, Ill., & Patrick J. Conway, Downer's Grove, Ill.
- 11:55-12:10 P.M. An outline of modern lepidopterology.** William E. Miller, U.S. Forest Service, St. Paul, Minn.

SATURDAY AFTERNOON, JULY 8

**SYMPOSIUM: STATUS OF REGIONAL
LEPIDOPTERA FAUNAL SURVEYS**

**Ray E. Stanford, Moderator
Dr. Ronald W. Hodges USDA
Beltsville, Md. Presiding**

- 1:30-1:40 P.M. Introduction** — Ray E. Stanford, Denver, Colo.
- 1:40-2:00 P.M. Importance of intensive local Lepidoptera surveys.** Paul A. Opler, Office of Endangered Species, Washington, D.C.
- 2:00-2:15 P.M. Butterflies of the southeastern Coastal Plain of the United States.** Ronald R. Gatrelle, Goose Creek, S.C.
- 2:15-2:50 P.M. The Lepidoptera survey of Maryland.** John H. Fales, Huntingtown, Md.
- 2:30-2:50 P.M. Pennsylvania butterflies.** Harry K. Clench, Carnegie Museum, Pittsburgh, Pa.
- 2:50-3:05 P.M. Butterflies of West Virginia.** Bart Drees, Ohio State Univ., Columbus, Ohio.
- 3:05-3:20 P.M. Status of the Kentucky Lepidoptera Survey.** Charles V. Covell Jr., Univ. of Louisville, Ky.
- 3:20-3:35 P.M. Coffee break**
- 3:35-3:50 P.M. Ohio butterflies.** Carl W. Albrecht, Ohio Historical Society, Columbus, Ohio.
- 3:50-4:05 P.M. The Ohio Moth Survey.** Eric H. Metzler, Ohio Dept. of Natural Resources, Columbus, Ohio, & Roy W. Rings, OARDC, Wooster, Ohio.
- 4:05-4:25 P.M. The Michigan Lepidoptera Survey.** Mogens C. Nielsen, Lansing, Mich.

- 4:25-4:45 P.M. The Illinois Natural History Survey and Illinois Lepidoptera.** George L. Godfrey, Illinois Natural History Survey, Urbana, Ill.
- 4:45-5:00 P.M. Colorado Lepidoptera Surveys, 1974-1978.** Teresa Clifford, Univ. of Wyoming, Laramie, Wyo.
- 5:00-5:20 P.M. The Rocky Mountain Butterfly Survey.** Ray E. Stanford, Denver, Colo.
- 5:20-5:30 P.M. Concluding remarks and discussion**

SATURDAY EVENING, JULY 8

- 6:30-7:30 P.M. No-host social hour.** Masterson's Restaurant, 1830 South Third St.
- 7:30-9:30 p.m. Annual Banquet, Masterson's Restaurant**
Presentation of the Karl Jordan Medal to Dr. Pierre E.L. Viette, Muséum National d'Histoire Naturelle, Paris, France
- Film: STRATEGY FOR SURVIVAL: BEHAVIORAL ECOLOGY OF THE MONARCH BUTTERFLY.** A new half-hour film introduced by its maker, Lincoln P. Brower.
- Drawing for door prizes.

SUNDAY MORNING, JULY 9

- 9:00-9:10 A.M. Announcements —** Charles V. Covell Jr.
- 9:10-9:30 A.M. Years of feast, years of famine: Butterfly populations and the California drought.** Arthur M. Shapiro, Univ. of California, Davis, Calif.
- 9:30-9:45 A.M. Sidelights of Butterflies of North America.** William H. Howe, Ottawa, Kans.

9:45-10:00 A.M. **Progress of the Peterson *Field Guide to the Moths of Eastern North America*.** C.V. Covell Jr., Univ. of Louisville, Ky.

10:00-10:15 A.M. **Coffee break**

10:15-12:00 A.M. **Annual business meeting and Presidential Address.** J.W. Tilden, President of the Society, presiding.

SUNDAY AFTERNOON, JULY 9

2:00 P.M. **Field trip to Horner Bird & Wildlife Sanctuary, Oldham County, Ky.** Leave from Life Sciences Building as per announcement.

MONDAY, JULY 10

Field trip to Big Black Mountain, Harlan Co., Ky., is planned. Sign-up sheet will be at registration desk, and details will be announced.

COMMITTEES

Local Arrangements: Charles V. Covell Jr., University of Louisville, Ky.

Phone: Office (502) 588-5942;
Home 458-6148.

Alan J. Brownell
W. Blaine Early

Program Committee: Ray E. Stanford
Charles V. Covell Jr.

Notes