

24th ANNUAL MEETING
of the
LEPIDOPTERISTS' SOCIETY

Featuring
The Awarding of the Karl Jordan Medal to
M. Henri Stempffer
and Symposia:
An Introduction to the Neotropics
and
Biology of *Heliconius* Butterflies



ALLYN MUSEUM OF ENTOMOLOGY
Sarasota, Florida

21-24 June 1973

Parking — Sarasota Jungle Gardens only

REGISTRATION

Thursday, 21 June, 1:00 - 5:00 p.m., and Friday, 22 June, 8:00 - 9:00 a.m., 12:30 - 2:00 p.m., main entrance, Allyn Museum of Entomology, 3701 Bay Shore Road, Sarasota, Fla. (Registration fee \$1.50 per person. Banquet \$5.00 per person; includes dinner, tip and tax. Group photograph, 8 x 10 black-and-white, \$2.50).

EXECUTIVE COUNCIL AND PUBLICATIONS COMMITTEE MEETING

Thursday, 21 June, 1:00 p.m., Library, Allyn Museum of Entomology (J. F. Gates Clarke, President, presiding).

PROGRAM

(All sessions to be held in Conference room,
Allyn Museum)

Friday Morning, 22 June

8:30 Coffee and doughnuts.

9:00 Announcements. Introductions. Welcome

SYMPOSIUM: AN INTRODUCTION TO THE NEOTROPICS

Part 1. MEXICO AND MIDDLE AMERICA (L. D. Miller, presiding)

- 9:15 **Misconceptions of the Average U. S. Collector on the Mexican Fauna and Collecting.** Eduardo C. Welling M., Mérida, Yucatán, Mexico.
- 9:55 **Field Collecting Experiences in Central Chiapas, Mexico.** Robert G. Wind, San Cristobal de las Casas, Chiapas, Mexico.
- 10:25 Coffee Break.
- 10:40 **Partial Preadaptation: a Possible Evolutionary Means of Tropic-Temperate Faunal Interchange.** Harry K. Clench. Carnegie Museum, Pittsburgh, Pa.

- 11:20 **Cloud Forest Butterflies in El Salvador.** Stephen R. Steinhauser, San Salvador, El Salvador.
- 12:00 **The Influence of the Pleistocene on the Northern Neotropics.** F. Martin Brown, Colorado Springs, Colo.
- 12:30-2:00 Luncheon recess and group photograph.

Friday Afternoon, 22 June

SUBMITTED PAPERS

(K. S. Brown, Jr., presiding)

- 2:00 **Systematic and Biological Notes on North American Geometrid Moths of the Subfamily Sterrhinae.** Charles V. Covell, University of Louisville, Louisville, Ky.
- 2:25 **Facultative Longevity and Polymorphism in Diapause of Yucca Moths.** Jerry A. Powell, University of California, Berkeley, Calif.
- 2:50 *Sphinx franckii*. Bryant Mather, Clinton, Miss.
- 3:10 Coffee break.

**SYMPOSIUM: THE BIOLOGY OF
HELICONIUS BUTTERFLIES**

(K. S. Brown, Jr., presiding)

- 3:20 **Introductory remarks,** K. S. Brown, Jr., Rio de Janeiro, Brasil.
- 3:30 **Vision in *Heliconius* and Related Forms.** S. L. Swihart, University of South Florida, Tampa, Fla.
- 4:10 **Supergenes and Müllerian Mimicry.** K. S. Brown, Jr., Rio de Janeiro, Brasil.
- 4:50 **The Evolution of Mimicry: What Can Be Learned from *Heliconius*.** John R. G. Turner, State University of New York, Stony Brook, N. Y.

- 5:30 ***Heliconius* Mating Behavior and Genetics.** Lawrence E. Gilbert, University of Texas, Austin, Texas.

Friday Evening, 22 June

- 8:15-10:00 Collection of Museum will be open to members.

Saturday Morning, 23 June

SYMPOSIUM: AN INTRODUCTION TO THE NEOTROPICS

Part 2. SOUTH AMERICA

(H. K. Clench, presiding)

- 9:00 **Logistic Facts and Problems in Neotropical Collecting.** S. S. Nicolay, Virginia Beach, Va.
- 9:30 **FILM: The Santa Marta Range, Colombia.** E. Schmidt-Mumm, Bogotá, Colombia.
- 10:00 **The Butterfly Fauna of the Galapagos Islands: Chromosomal Evolution and Phenetic Divergence.** Thomas C. Emmel, University of Florida, Gainesville, Fla.
- 10:15 **Habitat Considerations in the Study of Tropical Rain Forest Lepidoptera.** W. Donald Duckworth, National Museum of Natural History, Washington, D.C.
- 10:40 Coffee Break.
- 10:50 **Influence of Quaternary Refugia on Differentiation Patterns in Neotropical Lepidoptera.** K. S. Brown, Jr., Rio de Janeiro, Brasil.
- 11:30 **Main Features of Distribution of Pyralidae in the Neotropical Region.** E. G. Munroe, Entomology Research Institute, Agriculture Canada, Ottawa, Ontario, Canada.
- 12:00-1:30 Luncheon Recess.

Saturday Afternoon, 23 June

- 1:30 **Presidential Address: The National Collection of Lepidoptera.** J. F. Gates Clarke, Society President.

SUBMITTED PAPERS

(J. C. Downey, presiding)

- 2:15 **The Ultrastructure of Lepidoptera Scales and Its Significance to Systematics and Color Reproduction.** Don R. Davis, National Museum of Natural History, Washington, D. C.
- 2:35 **Environmental Regulation of Seasonal Polymorphism in *Graphium marcellus* (L.).** J. R. Maudsley, University of Georgia, Athens, Ga.
- 3:00 **A Population of *Papilio andraemon bonhotei* Sharpe in the Florida Keys.** Larry N. Brown, University of South Florida, Tampa, Fla.
- 3:20 Coffee break.
- 3:30 **SEM Study of Pupal Sound Structures.** John C. Downey, University of Northern Iowa, Cedar Falls, Ia., and A. C. Allyn, Allyn Museum of Entomology, Sarasota, Fla.
- 3:55 **Temporal Dissociation in Alaskan *Boloria*.** Kenelm W. Philip, Institute of Arctic Biology, College, Alaska.
- 4:20 **Visible Differences in the Pre-pupal Stadia of Three Swallowtails Belonging to Three Different Groups.** Jo Brewer, Auburndale, Mass.
- 4:40 **Studies on the *Catocala* (Noctuidae) of Southern New England; a Progress Report.** Theodore D. Sargent, University of Massachusetts, Amherst, Mass.
- 5:05 **Freeze Drying: Instrumentation.** Richard B. Dominick, McClellanville, S.C.

- 5:25 **A List of Lists.** William D. Field, National Museum of National History, Washington, D.C., Cyril F. dos Passos, Mendham, N.J., and John H. Masters, Hudson, Wisc.

Saturday Evening, 23 June

- 6:30 **Annual Banquet --** Sarasota Yacht Club, Ringling Causeway.

Awarding of the **Karl Jordan Medal** to **M. Henri Stempffer**, Paris, France, and entomological reminiscences by M. Stempffer.

Sunday Morning, 24 June

SYMPOSIUM: AN INTRODUCTION TO THE NEOTROPICS

Part 3. THE WEST INDIES

(S. S. Nicolay, presiding)

- 9:00 **The Geographical Distribution of Swallowtails in the West Indies.** E. G. Munroe, Entomology Research Institute, Agriculture Canada, Ottawa, Ontario, Canada.
- 9:40 **Notes on Butterflies of the Virgin Islands National Park, St. John, V. I.** Walfried J. Reinthal, Tennessee Academy of Science, Knoxville, Tenn.
- 10:10 **On the Origin of Certain Montane Endemic Butterflies in the Greater Antilles.** Harry K. Clench, Carnegie Museum, Pittsburgh, Pa.
- 10:50 **Antillean Noctuidae: Comments on the Distribution and Zoogeographic Significance of Some Species.** E. L. Todd, Agricultural Research Service, U. S. Dept. of Agriculture, Washington D. C.
- 11:30 **Head for the High Country: a Plea for Collecting in Montane Tropical Habitats.** Lee D. Miller, Allyn Museum of Entomology, Sarasota, Fla.

