

25th ANNIVERSARY MEETING

of the

LEPIDOPTERISTS' SOCIETY

Featuring Symposia on
Recent Studies of Lepidoptera Behavior
and
Endangered and Extinct Lepidoptera



TRINITY UNIVERSITY

San Antonio, Texas

22 - 25 June 1972

THE PUBLIC IS CORDIALLY INVITED

PRE-PROGRAM

Registration

Thursday, 22 June, 1:00 - 5:45 p.m., Witt Reception Center.

Friday, 23 June, 8:30 - 9:15 a.m., 12:00 - 1:30 p.m., Chapman Graduate Center.

(Registration fee \$1.50 person/family. Transportation to and from banquet by charter bus \$1.25 person. Banquet \$5.90 adults, \$2.95 children under 12; includes Mexican dinner or club steak, tip, tax, and boat ride. Group photograph, 8x10 color, \$4.50 including tax, mailing.

Billeting on Campus

For those staying on campus without transportation, it is recommended they also take their meals on campus.

Executive Council & Publications Committee Meeting

Thursday, 22 June, 1:00 - p.m., Room 124, Cowles Life Science Building (Lloyd M. Martin, President, presiding).

Local Collecting

Nearby, Olmos and Brackenridge Parks.

Northeast Preserve on Jones Maltsberger Road for those with transportation.

Post-meeting counseling on desired collecting trips.

Sight-seeing

Nearby, San Antonio Zoo, Witte Museum, Pearl Brewery's Jersey Lilly Hospitality Center.

Downtown, the Alamo, HemisFair Plaza, Tower of the Americas.

Historical Display of the Society

Chapman Graduate Center Auditorium.

PROGRAM

Friday, 23 June, Morning

Auditorium, Chapman Graduate Center

8:30 Coffee and doughnuts.

9:20 Announcements. Introductions. Welcome.

**SYMPOSIUM ON
RECENT STUDIES OF LEPIDOPTERA
BEHAVIOR**

**Part 1. BEHAVIORAL SOLUTIONS PREDATION
& ENVIRONMENTAL USE**
(C. L. Remington, presiding)

9:30 **Prey Strategy and Predator Behavior.** Lincoln P. Brower, Amherst College, Amherst, Mass.

10:10 **Anti-predator Behavioral Systems in Moths**
Theodore D. Sargent, University of Massachusetts, Amherst, Mass.

10:50 **How Behavior Determines Population Structure.** Lawrence E. Gilbert, Jr., University of Texas, Austin, Texas.

11:30 **A Prospectus of Behavioral Studies of Imature Lepidoptera.** John C. Downey, University of Northern Iowa, Cedar Falls, Iowa.

12:10 - 1:30 Luncheon Recess.

Friday, 23 June, Afternoon

Auditorium, Chapman Graduate Center

SUBMITTED PAPERS
(D. B. Stallings, presiding)

1:30 **The Classification and Ecology of the Primitive Moth Family Neopseustidae.** Don R. Davis, National Museum of Natural History, Washington, D. C.

1:50 **Computer Analysis of the Genera of the Family Papilionidae.** Kent H. Wilson, Central State University, Edmond, Oklahoma.

- 2:10 **Adult Integumental Morphology of the Glaucopsyche Group (Lycaenidae).** John T. Sorensen, University of Northern Iowa, Cedar Falls, Iowa.
- 2:30 **Foodplant Ecology of Chlosyne lacinia (Nymphalidae).** Raymond Neck, University of Texas, Austin, Texas.
- 2:50 Coffee break.
- 3:10 **Species Diversity in the Alaskan Tundra.** Kenelm W. Philip, University of Alaska, College, Alaska.
- 3:30 **Biological Roles of Prodoxid Moths Associated with Yucca schottii.** Jerry A. Powell, University of California, Berkeley, Calif.
- 3:50 **The Function of Hindwing Colloration in Catocala (Noctuidae).** Theodore D. Sargent, University of Massachusetts, Amherst, Mass.
- 4:10 **Mutualism between Heliconius and their Pollen Plants.** Lawrence E. Gilbert, Jr., University of Texas, Austin, Texas.

EVENING

5:15 **25th Anniversary Supper.** (University Refectory. Informal, Honoring the Founding Fathers and Charter members).

A Review of Society Achievements. (Speakers to be determined).

After Supper. **Informal evening session** in Auditorium, Chapman Center.

Field Tripping in the Marquesas Islands — J. G. G. Clarke.

Some Tundra Habitats (or how to Stay Warm and Dry in the Cold, Wet Dessert) — K. W. Philip.

“The Flooding River” — new prize-winning ecology film by L. P. Brower.

Drawing for door prizes.

Saturday, 24 June, Morning

**SYMPOSIUM ON
RECENT STUDIES OF LEPIDOPTERA
BEHAVIOR**

Part 2. SEXUAL BEHAVIOR

(T. D. Sargent, presiding)

- 9:00 **The Evolution and Range of Sexual Behavior in Lepidoptera.** Charles L. Remington, Yale University, New Haven, Conn.
- 9:40 **Sexual Behavior of the Queen Butterfly (film).** Lincoln P. Brower, University of Massachusetts, Amherst, Mass.
- 10:00 Coffee break.
- 10:20 **Overwintering Behavior in the Monarch Butterfly.** Patrick H. Wells, Occidental College, Los Angeles, Calif.
- 11:00 **Female Sex-Attractant Pheromones in the Lepidoptera.** Ring T. Cardé, Cornell University Geneva, N. Y.
- 11:45 - 1:15 Luncheon recess and group photograph.

AFTERNOON

- 1:15 **Presidential Address. Early Lepidopterists of the Western United States.** Lloyd M. Martin, Society President.
- 2:15 **Round-Table Discussion on Texas Field Collecting.** Roy O. Kendall, André Blanchard, H. Avery Freeman, John E. Hafernik, Jr., Michael A. Richard.
- 3:30 Coffee break
- 3:45 **Informal session on forthcoming books and mapping.**
Progress on new books — F. W. Stehr, C. V. Covell, Jr., D. C. Ferguson, J. W. Tilden.
Lepidoptera Mapping Schemes — John Heath & Robert Pyle.
Maps as Collecting Aids — K. H. Wilson.
- 6:30 **Annual Banquet** — boating on the San Antonio River.
Casa Rio, 430 E. Commerce. Air conditioned charter bus departs University Refecory at 6:30. Departs Casa Rio for return to Trinity Campus at 9:30 p.m.

SUNDAY, 25 JUNE, MORNING

Auditorium, Chapman Graduate Center

SYMPOSIUM ON ENDANGERED AND EXTINCT LEPIDOPTERA

- 9:00 **Pioneering Butterfly Conservation: the Monks Wood Studies.** Robert M. Pyle, Monks Wood Experimental Station, Abbots Ripton, Eng.
- 9:30 **Project Ponceanus -- an Effort toward the Preservation of the Schaus Swallowtail.** Charles V. Covell, Jr., University of Louisville, Louisville, Ky.
- 10:00 **Endangered and Extinct Lepidoptera of Coastal Dune Systems in California.** Jerry A. Powell, University of California, Berkeley, Calif.
- 10:30 Coffee break.
- 10:45 **A Preliminary Scan of Rare and Endangered Nearctic Moths.** Sidney A. Hessel, Peabody Museum of Natural History, New Haven, Conn.
- 11:15 **A Program for Conservation of North American Lepidoptera.** Robert M. Pyle, University of Washington, Seattle, Wash.
- 12:00 - 1:30 Luncheon recess.

AFTERNOON

- 1:30 - 2:03 **Annual Society Business Meeting.**
Adjournment. Lloyd M. Martin, presiding
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PREVIOUS NATIONAL (N), PACIFIC SLOPE (P), COMBINED (C) and SPECIAL (S) MEETINGS

- 1950 Dec. 29-30 (N). American Museum of Natural History, New York.
- 1951 Dec. 28-29 (N). Chicago Natural History Museum, Illinois.
Aug. 21 (S) With IXth International Congress of Entomology, Amsterdam, Netherlands.
- 1952 July 2-4 (N). Entomology Research Institute, Ottawa, Ontario, Canada.
- 1953 July 2-4 (N). Los Angeles County Museum of Natural History California.
- 1954 Sept. 4-6 (P). California Academy of Sciences, San Francisco.
Dec. 28-30. (N). Carnegie Museum, Pittsburgh, Pennsylvania.
- 1955 Sept. 3-5 (P). San Diego Society of Natural History Museum, California.

- Dec. 28-30 (N). Archbold Biological Station,
Lake Placid, Florida.
- 1956 Aug. 4-5 (P). Santa Barbara Museum of Natural
History, California.
Dec. 27 (N). American Museum of Natural
History, New York.
- 1957 Aug. 3-4 (P). Santa Barbara Museum of Natural
History.
Dec. 27-28 (N). United States National Museum,
Washington, D. C.
- 1958 Aug. 23-24 (P). Santa Barbara Museum of Nat-
ural History.
Dec. 29-30 (N). University of Kansas, Lawrence.
- 1959 (N) none. Aug. 29-30 (P) Santa Barbara Museum
of Natural History.
- 1960 Aug. 27-28 (P). California Academy of Sciences,
San Francisco.
Dec. 28 (N). American Museum of Natural His-
tory, New York.
- 1961 Aug. 7-10 (N). Rocky Mountain Biological
Laboratory, Colorado.
Aug. 26-27 (P). Santa Barbara Museum of Na-
tural History.
- 1962 Aug. 25-26 (C). Santa Barbara Museum of Nat-
ural History.
- 1963 July 1-2 (N). Wonderland Shopping City, San
Antonio, Texas.
Aug. 24-25 (P). Santa Barbara Museum of Nat-
ural History.
- 1964 July 18-20 (C). Nevada State Museum, Carson
City.
- 1965 (N) none. June 19-21. (P) San Diego Natural
History Museum.
- 1966 May 29-June 1 (N). Entomology Research In-
stitute, Ottawa, Ontario, Canada.
June 11-12 (P). Santa Barbara Museum of Nat-
ural History.
- 1967 June 24-25 (C). Oregon State University,
Corvallis.
- 1968 June 15-18 (N). Smithsonian Institution, Museum
of Natural History, Washington, D. C.
Sept. 6-8 (P). University of California, Berkeley.
- 1969 June 14-17 (N) Michigan State University. East
Lansing.
Sept 5-7 (P). Los Angeles County Museum of
Natural History.
- 1970 June 19-20 (C). Nevada State Senate Chambers,
Carson City.
- 1971 June 18-21 (N). University of Louisville, Ky.
Aug. 28-29 (P). Santa Barbara Museum of Nat-
ural History.

PAST PRESIDENTS

1951 McDunnough, James H. °	Canada
1952 Jordan, Karl °	England
1953 Forbes, W. T. M. °	United States
1954 Diakonoff, A.	Netherlands
1955 Travassos, L. °	Brazil
1956 Freeman, T. N.	Canada
1957 Klots, Alexander B.	United States
1958 Riley, N. D.	England
1959 Munroe, Eugene G.	Canada
1960 Forster, W.	Germany
1961 Shirôzu, Takashi	Japan
1962 Comstock, John Adams °	United States
1963 Kettlewell, H. B. D.	England
1964 Franclemont, John G.	United States
1965 Rindge, Frederick H.	United States
1966-7 Stallings, Don B.	United States
1968 Brown, F. Martin	United States
1969 Hardwick, David F.	Canada
1970 Ford, E. B.	England
1971 Remington, Charles L.	United States

° Deceased

1972 OFFICERS AND EDITORS

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1st Vice President	S. A. Ae
Vice President	Keith S. Brown
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Journal	Theodore D. Sargent
News	Charles V. Covell, Jr.

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