

Following the formal meetings, concluded at noon, members of the group were invited to an informal luncheon and open house at the home of Mr. and Mrs. Carl W. Kirkwood of Summerland. The hospitality of the Kirkwoods was greatly appreciated by those able to attend.—PETER F. BELLINGER, *Secretary pro tem*

MINUTES OF THE TENTH ANNUAL MEETING OF THE PACIFIC SLOPE SECTION OF THE LEPIDOPTERISTS' SOCIETY

August 24 and 25, 1963, Santa Barbara, California

Saturday, August 24

Following registration of members and a get-acquainted period, Mr. Lloyd M. Martin, Los Angeles County Museum, presided over the opening session. Miss Norma Morrer, Acting Director of the Santa Barbara Museum of Natural History, delivered an address of welcome.

Mr. Martin gave a report on the 1963 National Meeting of the Society, held during early August in San Antonio, Texas (see the *Journal*, vol. 18: 117–118, 1964).

Dr. Rudolph Mattoni, Downey, California, presented a paper "Homing behavior in *Philotes*"; a capture-mark-release-recapture study of a colony of *P. sonorensis* in the foothills of the San Gabriel Mountains in which two areas some 20 meters apart were designated and observed for cross movements.

Charles H. Abbott, Redondo Beach, reported on "The 1963 migration of *Vanessa cardui* and other recent observations"; included was a request for additional information of activities of other *Vanessa* species north of central California.

Following an excellent luncheon, again provided through the generosity of the staff of the Santa Barbara Museum of Natural History, a business meeting was held. The selection of a site for the 1964 meetings was made in response to an invitation from Mr. Peter Herlan of the Nevada State Museum at Carson City, and Dr. J. W. Tilden, San Jose State College, was elected program chairman with Mr. Herlan acting as local arrangements chairman. Considerable discussion followed the reading of a letter from Mr. Charles F. Harbison, San Diego Museum of Natural History, dealing with the problem of the selection of site and month having been made in past years by members present at the preceding meeting; that is, those who are able to attend at a given place and time of year are apt to select the same site, which tends to lessen, rather than increase, the geographical movement of the meeting site and breadth of the attending group. A system was proposed, including a committee to investigate possible meeting sites two years in advance and to report a recommendation at each meeting at the time the next site is to be selected. Mr. Harbison and Dr. E. O. Sette were appointed to look into the 1965 meeting site.

The afternoon session, with Dr. Mattoni presiding, included the following:

"*Philotes* of central coastal California," by Robert L. Langston, University of California, Berkeley: a paper subsequently published in this *Journal* (vol. 17: 201–223, 1964).

"Chemistry in Lepidopterology," by John M. Snider: use of chlorocresol as a mold preventer in holding fresh material; quaternary ammonium halide as an injection instant relaxer, and other little-known techniques were discussed.

"Genitalic and wing differences in western *Pieris*," by Vincent Chang, Los Angeles State College: a paper subsequently published (*Jour. Res. Lepid.*, 2(1): 97–125, 1963).

An exhibits and exchange period followed the afternoon session and included two well-prepared technique displays: a short explanatory introduction and display of equipment for field photography by Thomas C. Emmel, Stanford University; and Phillip A. Adams, University of California, Santa Barbara, showed a rubber stamp method for producing specimen labels; this inexpensive technique has since been published (*Jour. Res. Lepid.*, 2(3): 225–228, 1963).

The annual banquet was held at the El Mirasol Hotel and was followed by an illustrated lecture by Dr. William Hovanitz, the 1963 program chairman, on butterflies and their habits in the Canadian Arctic.

Sunday, August 25

Mr. Nelson Baker, Santa Barbara Museum of Natural History, presided over the morning session, which included the following papers:

"Patterns and variation of subspecies in *Philotes*," by Rudolf Mattoni: primarily a consideration of spot variation in *P. sonorensis*.

"Research in the genus *Lacinipolia*," by Lloyd M. Martin, Los Angeles County Museum: a progress report on taxonomic studies on Nearctic members of this large and difficult group.

"The origin of sympatric species in *Colias* through the aid of natural hybridization," by Dr. William Hovanitz, Arcadia, California: a paper currently being published (*Jour. Res. Lepid.*, 1(4): 261-274, 1963; 2(3): 205-223, 1963; 3(1): 37-44, 1964).

No formal session was planned for the afternoon of August 25. Members and guests were again treated to the hospitality of Mr. and Mrs. Carl Kirkwood, who provided refreshments at their home in nearby Summerland.—EDITOR

MINUTES OF THE ELEVENTH ANNUAL MEETING OF THE PACIFIC SLOPE SECTION OF THE LEPIDOPTERISTS' SOCIETY

July 18-20, 1964, Nevada State Museum, Carson City, Nevada

Saturday, July 18

The morning session was opened at 10:00 after the members and guests had registered. E. J. Newcomer presided over this session. Paul A. Opler was elected Secretary *pro tem*. Judge Clark J. Guild, founder of the Nevada State Museum and Chairman of the Board, welcomed the members and gave a brief history of the museum. After having accepted Judge Guild's welcome on behalf of the members, Dr. Newcomer read the message from the president of the society, Dr. J. G. Franclemont. Dr. Franclemont pointed out the unfilled gap in the knowledge of the immature stages of North American *Heterocera*.

The morning session was adjourned at 11:15 A.M. Mr. Peter Herlan conducted the members on a tour of the museum, after which the members were hosted at a luncheon by the Nevada State Museum.

Mr. Robert L. Langston presided at the afternoon session. A symposium, entitled "Collecting in Unusual Places," was given and consisted of the reading and discussion of the following papers:

1. "Collecting in Utah"—Kenneth B. Tidwell.
2. "Collecting in southern Texas"—J. W. Tilden, Biology Dept., San Jose State College, San Jose, California.
3. "Collecting in western Nevada"—Peter J. Herlan, Nevada State Museum, Carson City, Nevada.

A paper entitled "The distribution of *Lacinipolia olivacea* and its numerous subspecies" was presented by Lloyd M. Martin, Los Angeles County Museum, Los Angeles, California.

The meeting adjourned at 4:30 P.M.

Sunday, July 19

Dr. O. E. Sette presided at the morning session. Society business was conducted and the following topics were considered:

1. Since the treasurer of the Pacific Slope Section was not in attendance, the treasurer's report was deferred to 1965.