

NEWS

of the LEPIDOPTERISTS' SOCIETY

Number 1

Jan/Feb 1979

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Spreading Board: Dr. Charles V. Covell, Jr., Dept. of Biology, Univ. of
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JOHN ADAMS COMSTOCK AWARD

At the 25th Annual Meeting of the Pacific Slope Section of the Lepidopterists' Society in Los Angeles, August 27, 1978, the membership present unanimously approved the establishment of an annual award to be given for the most outstanding paper presented by a younger member at the annual meeting of the Pacific Slope Section, and 2) the preparation of a bio-bibliography of a lepidopterist who pioneered in society activities in the Pacific Slope area. The purpose of the former is to encourage the participation by younger members, as fewer young lepidopterists have taken part in the meetings in recent years. The following criteria for the award were adopted:

Title. The John Adams Comstock Award.

Eligibility. Any student member (high school, college, undergraduate, graduate or other member in that age group).

Selection of recipient. By an ad hoc committee of three, chaired and appointed by the program chairman.

Judging. On the basis of originality of ideas, effectiveness of research and quality of presentation.

Award. Certificate and cash prize, probably \$25.00, to be presented at the annual banquet.

The lepidopterist to be honored will be one of the "founders" of the Pacific Slope Section, and the bio-bibliography will be prepared by the program chairman or his designate. The person to be honored will be selected at the business meeting of the previous year, from a list including Nelson Baker, J.A. Comstock, Chris Henne, Peter Herlan, William Hovanitz, Karl Kirkwood, O.E. Sette, F.X. Williams, or another member, living or deceased. Dr. Comstock will be the first pioneer lepidopterist to be honored.

Dr. A.S. Shapiro will select a committee at the 26th Annual Meeting in 1979, to judge the first award candidates. A fund has been established from which interest will be used to provide the basis of the award. We solicit your tax deductible donations in any amount to assist in building the principal, which now amounts to \$200. Checks should be made out to "Lepidopterists' Society, Pacific Slope Memorial Fund, and can be forwarded to Julian Donahue, Los Angeles County Museum of Natural History, Exposition Blvd., Los Angeles, CA 90007 or to Jerry Powell, 201 Wellman Hall, University of California, Berkeley, CA 94720.

Jerry A. Powell

A Host-Parasite Catalogue of North American Tachinidae (Diptera)

Paul H. Arnaud Jr. Pub. by Science & Education Administration, United States Department of Agriculture. June 1978 860 pp. Frontis-piece. Searching is made with relative ease in this book by a system of cross referencing both alphabetically and by classification for both parasites & hosts. U.S. Dept. of Agriculture, Science & Ed. Administration, Hyattsville, MD 20782. Miscellaneous Publication No. 1319.

The Butterflies of the Malay Peninsula.

A. Steven Corbet & H.M. Pendlebury. 3rd Edition revised by J.N. Eliot. Approx. 658 pp. 30 color plates; 6 B/W plates printed on 105 gsm art paper. Text paper 80 gsm Woodfree. Casebound & gold foiled on spine. 146 text figures to illustrate external structures; 438 figures to illustrate genitalia. This 3rd edition includes 200 butterflies previously not known to occur. E.W. Classey Ltd., Park Rd, Faringdon, Oxon. SN7 7DR, ENGLAND. price inc. postage & packing US \$37.50 Classey is the sole distributor outside of Malaysia.

The Pupaper

A classified newsletter to be published twice a month for the purpose of expediting information of items available to the collector and rearer of Lepidoptera. Published by Coffman Printing & Photography. Subscription rates are \$5.00 USA and \$8.50 foreign per year. Classified rates 2¢ per word. Photographs \$4.00 each. For further information or sample copy, write to John M. Coffman, Route 1 Box N153 Timberville, Virginia 22853.

The Butterflies of Orange County, California.

Larry J. Orsak. Pub. by University of California, Irvine CA 92717. 295 pp. Many drawings of larval food plants as well as butterflies are included. 3 maps of Orange County showing topographical features and vegetation. Descriptions of butterflies include old and new records, aberrant forms, distribution, habits & behavior along with many intriguing incidents. A check list, bibliography, food plant & general indices are included in the appendix, along with a wealth of other valuable information, and 5 pages of butterfly photographs. 96 butterfly species are covered. A very worthwhile book for Lepids in all stages of expertise.

JONES' ICONES. The colour transparencies of Jones' Icones have finally been reproduced and 786 transparencies (35 mm. colour film in a continuous roll) are available at £78.60. A collation of the pages and plates will be supplied with the film to assist in the mounting of the transparencies. All formal orders should be addressed to: Hope Entomological Collections, University Museum, Oxford OX1 3PW, ENGLAND.



! W A R N I N G !

The Mar/Apr issue will consist almost entirely of the Field Summary this year. Late reports will NOT be published in a later issue, so please remember the deadlines, and have your reports in the mail in time for your co-ordinator to analyze, type and mail them to the Editor of the NEWS.

THE EDITOR'S IRREVOCABLE DEADLINE FOR THIS ISSUE IS MARCH 1

SUDS AND MUD PRODUCE PAPILIONID AND PIERID PROFUSION

Whilst on a 4 day expedition up the Loreto-Yaco river near the town of Puerto Narino, Amazonas (August 22-26, 1978), various groups of mineral-feeding butterflies could be seen occasionally at the water's edge. These were found to be mainly papilionids and pierids with the occasional nymphalid and hesperid. They tended to group by species. Of the Papilionidae, *Eurytides telesilaus* were abundant. *E. protesilaus* fairly frequent. *E. thyastes* occasional (2-3) as were *E. doloicaon*. Of the Pieridae *Phoebis philea*, *P. statira* and *P. argante* were extremely abundant. Occasional nymphalids were *Baeotus baeotus*, *B. jopetus* and some *Eunica* and *Marpesia* species. The level of the Amazon at its headwaters, falls gradually during the 'dry' season thereby exposing fresh wet mud for the butterflies to exploit each day.

It has been previously noted that many *Baeotus* species were attracted to freshly hung washing in the town of Leticia, and a local man there mentioned that some butterfly collector used soap as bait for the mud-frequenting species. It was therefore decided to experiment with a packet of soap flakes of Colombian manufacture on the trip up river. In four selected localities at approximately 0900, small patches of soapflakes were sprinkled on the wet mud near the water's edge with the result that they turned mushy in appearance but did not dissolve completely. Few butterflies were seen to visit the sites (observed in rotation) until about 1130 onwards to 1400, during which time the sun was at its hottest (approximately 90° F). The attraction of the soap flakes was obvious and butterflies in large numbers were seen only where the flakes had been placed at each locality. Pierids tended to fly and circle if disturbed and would only return if left for ten minutes or so. *Eurytides*, however, were far more intent on feeding, once they had settled and ceased their initial wing quivering, and therefore remained. In studying closely a group of these it was noted that at approximately every ten second interval there would be at least one individual which would void, as a small spurt, clear fluid from the tip of the abdomen.

The next day, stopping off at a large Ticuna Indian village, it was noted that by the jetty a number of mud feeding butterflies were in a particularly dense group. A sample of 3 rapid sweeps with a 55 cm diameter circular net was taken as the butterflies were disturbed and took flight, and the species were counted and released. A resulting 55 specimens of *E. telesilaus* were captured with 29 *Phoebis* species (mainly *P. statira*) which allowed an estimate of the total numbers feeding on the square metre of mud as approximately 200 individuals. Soon after it was learned that it was at this spot that a bowl of soapy water had been emptied earlier. Returning to the boat about half an hour later the group of butterflies had reassembled as before. From these observations it is apparent that the soap in solution was used as a food source by various species of butterflies.

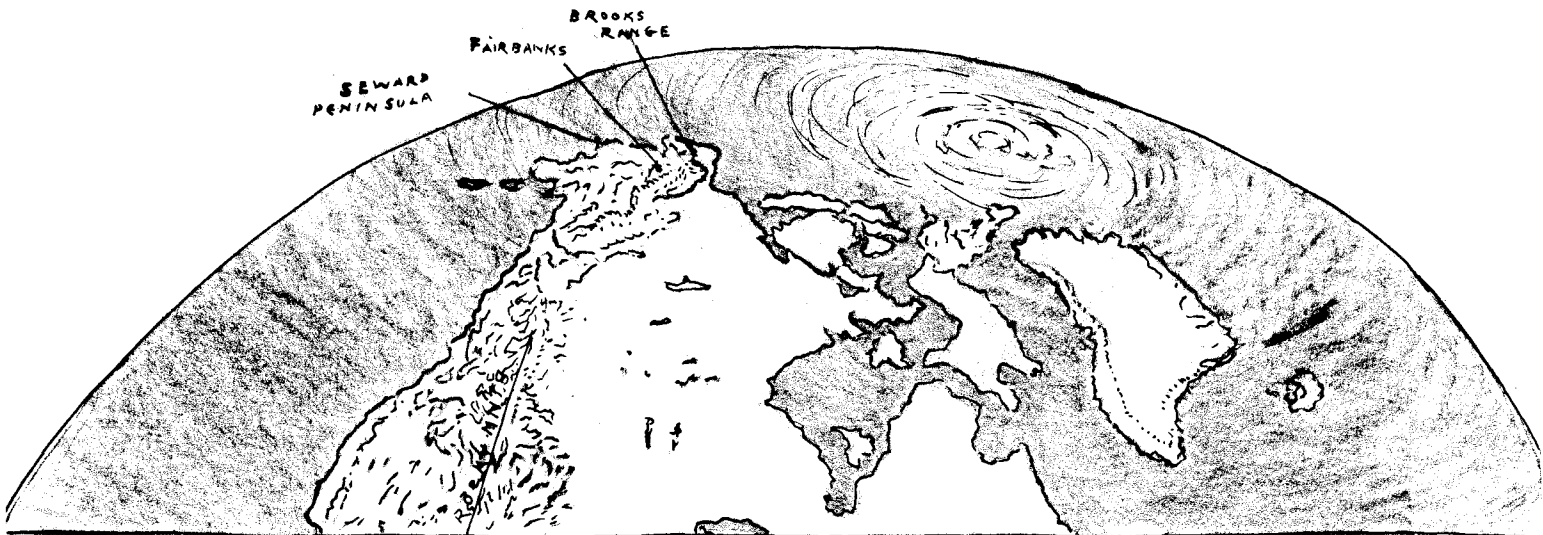
(Excerpted from a letter sent to Michael Parsons, Hurst Lodge, Hurst Lane, Egham, Surrey TW20 8QJ ENGLAND by his friend, Chris Farrell on his return from a trip to Colombia, South America.)

THE 30th ANNIVERSARY MEETING

may be the most exciting adventure
!!! the Lepidopterists' Society has ever embarked upon !!!

FAIRBANKS ALASKA 28 JUNE - 1 JULY 1979

!!! See pages 17 - 19 of the NEWS Nov/Dec 1978 for details - BUT HURRY !!!



"SOUTHERN LEPIDOPTERISTS" - A New Society

A new society has been formed which is designed to serve all Lepidopterists interested in southern butterflies and moths. It is designed to cover Louisiana, Mississippi, Alabama, South Carolina, Georgia and Florida. The name of the Society will be Southern Lepidopterists.

Dave Baggett of Jacksonville was elected President/Editor. The Society will publish a quarterly NEWS which should be "chock full" of information about the area. The first issue will appear in January 1979. Dues are \$3.00 annually. For further information, write to Ron Gattelle, 126 Wells Rd, Goose Creek, SC. 29445, or Howard D. Baggett, 8442 Thor St, Jacksonville, FL 32216.

Ed. note: Unfortunately this notice did not arrive in time to appear in the Nov/Dec NEWS. Those wishing to join the society should specify that they wish to receive the January issue (the first issue) of the NEWS of the Southern Lepidopterist.

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* * * O B I T U A R I E S * * *

Word has been received of the death of JAN VERNER of Tynec n/Labem, Czechoslovakia, in October, 1978.

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November 27 1978: DR. ANNETTE FRANCES BRAUN of Cincinnati, Ohio. Dr. Braun was one of 9 women among the 228 Charter Members of the Lepidopterists' Society, and served as Vice President in 1954. She was made an Honorary Life Member in 1960. Her special interest was in microlepidoptera, about which she wrote nearly 70 papers for 12 journals. Dr. Braun was also a Fellow of the American Association for the Advancement of Science, a Life Trustee of the Cincinnati Museum of Natural History, and a Charter Member of the Entomological Society of America. Dr. Braun was 90 years of age at the time of her death. A complete obituary will appear in a forthcoming issue of the Journal of the Lepidopterists' Society.



Spreading Board

Mounting procedures that involve the spreading of insect wings entail a certain amount of risk of damage or of reduction in quality in the mounted specimen. A technique that utilizes small magnets removes some of the problems associated with spreading and makes possible the preparation of more nearly perfect specimens. The idea for this method was originally suggested by Norbert Flauger in Germany using metal magnets. Metal magnets exert too much pressure on the wings and cannot be placed directly over them without causing distortion of the wing and scales. They also have the disadvantage of being difficult to remove without injury to the specimen, however they give satisfactory results with large Lepidoptera.

A standard insect spreading board is used. The upper surfaces of the two side pieces are covered with galvanized sheet metal 1/32 inch thick, cut to exact size, with the rough edges rounded, the upper surface polished with emery cloth, and the lower surface roughened with a file to accomodate the glue. These pieces are fastened to the board with epoxy glue.

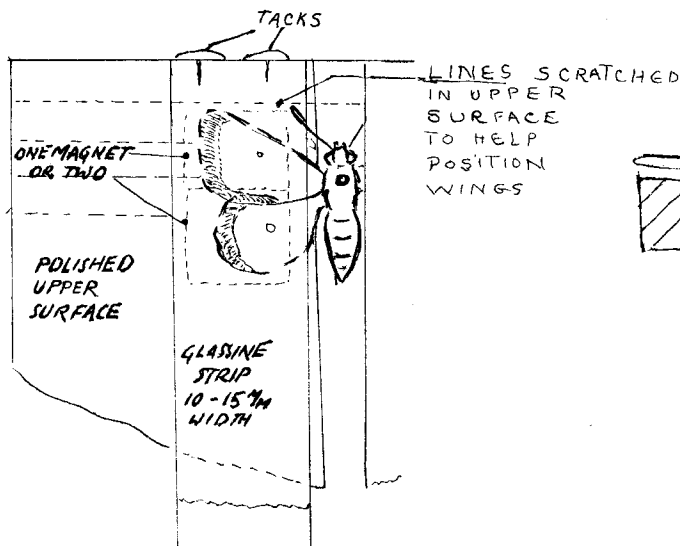
After the insect specimen is pinned in position in the groove, strips of glassine paper 10 - 15 mm wide and slightly longer than the board, one on each side panel, are held in position by thumb tacks at one end of the board, then placed over the wings and held in position by small magnets placed anterior and posterior to the area to be occupied by the wings. The magnets and glassine strips can easily be lifted and positioned as the wings are adjusted to the desired position. A second or third strip of glassine paper may be required for large specimens. The antennae and abdomen are held in place with pins angled to fit each situation.

I use 'rubber' magnets instead of metal magnets. Rubberized sheets 1/16 inch thick impregnated with magnetic particles can easily be cut into any size or shape desired. These pieces apply much less pressure on the wings and can be moved and positioned with ease. When placed uniformly, directly over the wings they give good results especially with small Lepidoptera (Lycaenidae, Geometridae, etc.)

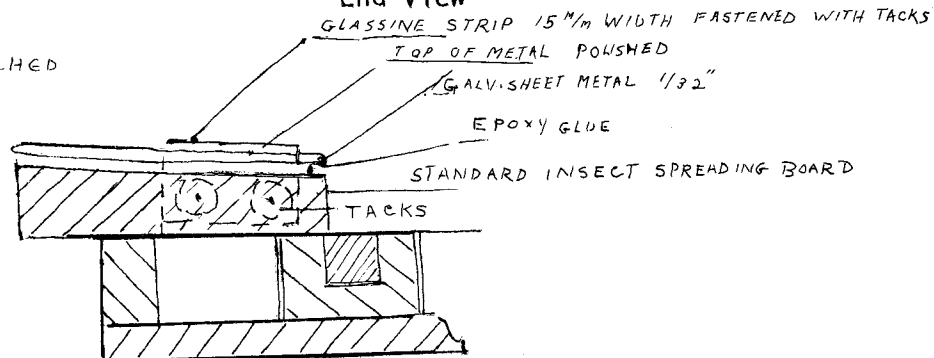
After spreading is completed, the specimens can be dried at 150 F by placing the entire board in an oven for one to two hours. The drying time is determined by the size of the specimen. Higher temperatures (250 to 300F) cause shrinkage of the glassine strips and the resulting pressure and movement may injure the specimen, especially the veins. A cooling-off period of six to eight hours for small specimens or up to 12 hours for large ones should follow removal of the board from the oven before the magnets, glassine paper, or specimens are moved.

Oskar Dorfmann, 10061 Majestic Canyon Road, Sandy, Utah 84070.

Top view



End view



MINUTES OF THE 29th ANNUAL MEETING OF THE LEPIDOPTERISTS' SOCIETY

Louisville, Kentucky, 6-9 July 1978

The 29th Annual Meeting of the Lepidopterists' Society, sponsored by the University of Louisville, was held in the Life Sciences Building on the University's Belknap Campus in Louisville, Kentucky, 6-9 July 1978.

The combined meeting of the Executive Council and the Editorial Board convened at 2:10 p.m. on Thursday, 6 July, with President J. W. Tilden presiding, and adjourned at 5:35 p.m.

A Thursday afternoon field trip was conducted to the Horner Bird & Wildlife Sanctuary in Oldham County, Kentucky. On Thursday evening Dr. and Mrs. Charles V. Covell, Jr. hosted an open house at their residence.

The formal program began at 9:20 a.m. Friday, 7 July, with Society President J. W. Tilden presiding. Dr. James Miller, President of the University, and Dr. Burt L. Monroe, Jr., Chairman of the Department of Biology, presented welcoming addresses, followed by announcements by Charles V. Covell, Jr., the Local Arrangements Chairman.

A list of papers presented at the meetings appeared in the News for Nov/Dec 1978 (no. 6), with the following exceptions:

Friday afternoon, 7 July. "Protective Strategies in *Catocala*" Theodore D. Sargent, University of Massachusetts, Amherst, MA.

Saturday afternoon, 8 July. "Status of the Kentucky Lepidoptera Survey" Charles V. Covell, Jr., University of Louisville, Louisville, KY.

"Ohio Butterflies" Carl W. Albrecht, Ohio Historical Society, Columbus, OH.

A group photograph was taken Friday noon, and the workshop on illustrating Lepidoptera in which Elaine Hodges, George Venable, William Howe and Yin Rei Hicks participated, took place Friday evening.

The Saturday evening program commenced with a social hour and annual banquet at Masterson's Restaurant, after which Dr. Covell introduced the head table. President Tilden then presented the Karl Jordan Medal to Dr. Pierre E. L. Viette of the Museum National d'Histoire Naturelle, Paris, France. Dr. Viette's acceptance address consisted of an illustrated survey of the biogeography of Madagascar. The evening program continued with a film introduced by its maker, Lincoln P. Brower, entitled "Strategy for Survival: Behavioral Ecology of the Monarch Butterfly". The festive evening concluded with a drawing for door prizes.

On Sunday morning, 9 July, the meeting resumed with a general session of contributed papers. Outgoing President Tilden concluded the Sunday morning session with a Presidential address.

President Tilden then called the annual Business Meeting to order at 10:48 a.m., and began by announcing that the Society will resume publication of Supplements to the Journal for large papers which are approved by both the Editorial Board and the Executive Council, pending the availability of funds. At each of its annual meetings the Executive Council will deliberate on all manuscripts accepted during the preceding year as being of publishable quality.

Secretary Julian P. Donahue announced that the 1979 Annual Meeting will be held in Fairbanks, Alaska, 28 June-1 July. He pointed out that this is a prime time to collect, and that the "odd year" species would be flying. One or more field trips to classic collecting localities will be planned. He also noted that the 1980 meeting will be held in Gainesville, Florida, date to be announced.

Harry K. Clench, chairman of the Nominating Committee (other members: J. Y. Miller and J. B. Ziegler) read the names of most of the persons being proposed for this year's ballot.

In Treasurer Ron Leuschner's absence, Donahue presented highlights of the Society's financial condition, including the following: (1) fiscal year ending 31 March 1978 showed a surplus of \$4,619.87 of income over expenses; (2) the Commemorative Volume has already more than paid for itself, and, in fact, has shown a profit of \$2,632.52 as of 1 April 1978; (3) of 257 members who have not paid their dues for 1978, 140 who had been members for less than five years were dropped from the membership rolls on 30 June 1978; the remaining 117 members in arrears have been tentatively retained on the mailing/membership list, since they have been members for five years or more (thus reflecting a continued interest in the Society). The Treasurer will send letters to these individuals, and will cancel their memberships if dues are not paid by the end of 1978; (4) due to prudent

investment of idle funds, the Society earned \$2,153.38 in interest during the year; (5) sales of back issues, handled by C. V. Covell, Jr., produced additional income of \$1,071.90.

In light of the current financial health of the Society, C. V. Covell moved that a manuscript by Noel McFarland on foodplant records for Australian Lepidoptera, already reviewed and accepted, be published as a Supplement of the Journal. Seconded and passed.

A question was posed about the plan to distribute a questionnaire to members concerning the Society and its members in relation to the Endangered Species Act of 1973. J. Y. Miller recommended that this questionnaire be mailed with the ballots and dues notices this year.

Jo Brewer announced an attempt to "tighten up" the Annual Field Season Summary by eliminating reports of common species, duplicative records, and other aspects with low information value. Dave Winter further emphasized the need for abbreviated field reports. R. W. Hodges moved that the Annual Field Season Summary appear as a regular issue of the News, occupying an entire issue if necessary, and that no late contributions will be accepted for publication in subsequent issue of the News. Seconded and passed.

R. W. Hodges recommended consideration of enlarging one or two issues of the Journal to accommodate the backlog (publication delay is now approximately one year for non-subsidized papers). Journal Editor Platt noted that the Journal now has a core of 60 pages of unsubsidized papers, plus papers which are subsidized by page charges. Covell moved that an additional 40 pages be added to the current volume of the Journal (approximate cost: \$2,000) provided that funds are available, in order to eliminate the backlog. Seconded and passed.

Journal Editor Platt reported on the possibility of adding a section to the Journal to document new foodplant records. Notices for this section must be supported by voucher specimens of larvae, adults, and foodplants to be deposited at a recognized institution. He noted that Ray White of Old Dominion University has offered to serve as a repository for individuals who do not have access to other repositories.

M. C. Nielsen, chairman of the Resolutions Committee (other members: Ron Gattelle, Lee Miller), read the following resolutions:

Whereas this, the 1978 Annual Meeting of The Lepidopterists' Society, has been thoroughly successful and enjoyable,

Be it Resolved that our thanks be expressed to Dr. James G. Miller, President of the University of Louisville, and to Dr. Burt L. Monroe, Jr., Chairman of the University's Department of Biology;

And Be it Further Resolved that our heartfelt gratitude be expressed to Charles and Betty Covell for a most enjoyable (and refreshing) open house, and the many details of the meeting which they so ably arranged;

And Be it Further Resolved that we also greatly appreciate the tremendous assistance given by Dr. Covell's able staff and graduate students in helping and guiding members during the meeting;

And Be it Further Resolved that we give our thanks to President James W. Tilden for guiding our Society through the past year, and that we extend to him and Hazel, his charming wife, our best wishes in their retirement and continued pursuit of the West Coast butterflies.

The resolutions were approved by applause from the large and enthusiastic audience. Other votes of thanks, all approved by acclaim, were proposed from the floor as follows:

By C. V. Covell: to Lee D. Miller (with assistance from wife Jacqueline) for serving as Secretary so ably for the five-year period spanning 1972-1976.

By A. P. Platt: to John M. Snider for serving as Treasurer for the three years of 1975-1977.

By J. W. Tilden: to Immediate Past-President S. S. Nicolay with thanks for serving as President.

By A. P. Platt: to George L. Godfrey for his three years of service as Editor of the Journal, 1975-1977.

President Tilden then thanked the assembled members for having elected him as President for the preceding year, and handed the gavel of office to First Vice-President Charles V. Covell, Jr., in the absence of the incoming President, Dr. Ian F. B. Common of Australia.

MINUTES OF THE 25th ANNUAL MEETING
of the
Pacific Slope Section, The Lepidopterists' Society

The Silver Anniversary meeting of the Pacific Slope Section convened at the Natural History Museum of Los Angeles County on August 25th 1978 at 1 PM with an open House in the Entomology Department of the museum.

The meetings ended on the afternoon of August 27th. Eighty persons attended the meetings, of whom 69 attended the banquet. It was thought that this was the largest attendance to date for a Pacific Slope meeting held separately from a National meeting.

The program included 23 papers, 7 of which were parts of a symposium entitled Assorted Biological and Taxonomic Aspects of the *Hesperioidea*. A Friday evening open house was held at the residence of Julian and Kathy Donahue. The Saturday evening banquet featured a talk by Robert Pyle entitled Birdwings and Betal Nut: Butterfly Conservation in Papua New Guinea. The event was preceded by a cocktail hour hosted by BioQuip Products.

The business meeting convened at 11:40 AM on August 27. Julian Donahue gave a report on the previously held National Meeting of the Lepidopterists' Society in Louisville, KY. Following this there was a discussion of possible sites and dates for the 1979 meeting of the Pacific Slope Section. After much debate, the motion was made by John Masters to have the Pacific Slope Meeting held separately, and not in conjunction with the National Meeting in Alaska. It was decided to hold it in the Davis-Sacramento area of California with Arthur Shapiro in charge of arrangements.

The next item of discussion was a proposed award for the best paper presented by a younger member at each Annual Meeting of the Pacific Slope Section. The award was proposed by Jerry Powell and Ray Stanford, and described by Jerry Powell. A motion was made and unanimously passed to establish such an award. A second motion was made to entitle it the John Adams Comstock Award. This was passed also.

(See page 1 for full details of the announcement.)

The business meeting ended with a show of appreciation for those individuals who handled the arrangements for the meeting: Program Committee: T.D. Eichlin, Chairman, J.P. Donahue, J.A. Powell. Local Arrangements: J.P. Donahue, Chairman, Don Frack, John Lane, Jan Lee, Kathy Donahue, Butch Ellis, Mary Lombardi. The Skipper Symposium was initiated by Ray Stanford.

Respectfully submitted,

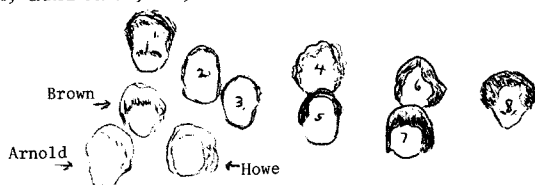
Larry Orsak, Secretary pro tem.

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NOTICE

It has been brought to our attention that the name of Edward Prescott, a member of the Lepidopterists' Society attending his first meeting at Louisville in 1978, was omitted from the list of members in the picture on page 10-11 of the Nov/Dec issue of the NEWS.

We thank Mr. Prescott for bringing this up, because in checking the matter we discovered that he was not the only member of the gang so slighted. In fact, 8 names were omitted. Roughly speaking, these 8 are clustered in the middle 1/3 of the page 11 half of the picture, and can be found as follows: Doug Brown, the last person named in column 2 of the names is directly behind and between Dick Arnold and Bill Howe. Directly behind Doug is BOB ROBBINS, no.1 in the attached diagram. The other nameless members are: 2) RICHARD FLEMING, 3) FLOYD PRESTON, 4) EDWARD PRESCOTT, 5) RICK RUGGLES, 6) CAROL FROST, 7) SANDY RUGGLES, 8) ROBERT LEHMAN.



When the picture and accompanying list of names came into our possession, the numbers were written over the faces of all the members. These obviously had to be eliminated, but the rows were so confused, owing to the bumper crop of participants that re-numbering became a real Dutch puzzle of which the editor mislaid some of the pieces.

Ripples

Dear Jo,

I need some ideas and feel sure someone out there in the Society can help. From time to time I have moths, especially Sphingidae and Saturniidae, which become greasy and terrible in appearance. I have been told to use carbon tetrachloride, which doesn't work very well, and ethyl ether, which so far I have been unable to obtain. If anyone can provide me with information regarding prevention or removal of this grease, I will be most grateful.

Michael Newman, 3908-A N. Main St, High Point, N.C. 27260.

A useful discussion of this subject appeared in the Spreading Board column in an un-numbered issue of the NEWS in 1976. It is the issue with the Zone 8 1975 Field Summary on the front page. The Spreading Board is on page 4. ed.

Dear Jo,

On July 1, 1978 while collecting in Jellico, Tenn., I captured a ♀ *Automeris io*. Throughout the larval stage of insects reared from eggs laid by this ♀, I noticed a number of cream colored (yellow-orange) specimens. I segregated these at once. Out of 42 cocoons spun, 11 were from the cream-colored group. I communicated with Dr. Covell about this, and he had no knowledge of such a form. In "Wild Silk Moths of the U.S." (Collins & Weast, 1961, the only color form variation noted was a bluish form (Texana).

I would be happy to correspond with anyone who has raised or noticed any color variation in *A. io*, or who would provide me with more precise information. Photographs are available upon request. It will be interesting to see whether or not the adults will show any morphological characters reflected by the larvae, and also to attempt to rear all cream-colored larvae through selective breeding. Sincerely,
Dana Gring, 2631 Strauss Ave, Toledo, OH 43606.

Dear Jo,

Regarding the Field Summary, here are a few suggestions you and others may wish to consider.

1) Break up Zone 5 even further to put Minn, Wis, Ill, Ind, Oh & Mich into one zone. W. Virg, Kent, Missouri and Iowa seem to me to belong to other zones. In fact, with more contributors - assuming that other zones had a similar increase to ours - the other zones could be readjusted and reduced so that more co-ordinators would result.

2) Consult STATE lists if available, or at least talk to someone who is recognized as the most experienced field collector. This would help greatly in separating out the good data.

3) Stress again the DEADLINE for reports, and the instructions. I receive many "lists" of EVERYTHING collected, by people expecting me to pick out the "choice records". When this is written out in longhand -MAN! What a chore to get through it and pick out the few good records!

4) Ask for FEEDBACK from Zone members. (What species should be covered?) What additional data are desired? What species should be covered? What were the errors of omission or commission? Without SOME feedback the co-ordinators don't really know whether they are doing their job or not.

5) Why not sell sets of back issues which contain the Field Summary? The Society could make a buck or two, not to mention performing a service to members.

I still maintain that the ANNUAL FIELD SUMMARY is what many members want and pay for with their dues. Therefore we should continue this tradition, even although there may be some who do not use or approve of it. Sincerely,
M. C. Nielsen, 3415 Overlea Dr, Lansing, MI 48917.

Dear Jo,

I was quite interested in the various comments in the NEWS concerning the summary. They seem to cover the gamut we encountered (some years ago when an earlier study was made).

If it comes to a vote I think I'd cast my ballot for a collectors' guide with the stipulation that if you want it, you pay for it! Hopefully, it would be self sustaining. Sincerely,
Fred Thorne, 1360 Merritt Drive, El Cajon, CA 92020.

To the Editor:

Last year while rearing *Automeris io*, I found 3 pupae in the same cocoon. (see NEWS Mar/Apr 1978 p. 13 for picture) They all emerged and turned out to be 2 ♀♀ and one ♂ (I think they had that planned).

This past summer I found 2 pupae in one cocoon. That must be a normal thing with *A. io*. Sincerely,
John Coffin, Rt.1 Box N-153 Timberville, VA 22853.

After accepting the gavel, Dr. Covell reiterated his gratitude to former officers Snider and Nicolay, and expressed particular thanks to members of his Local Arrangements Committee, Alan J. Brownell and W. Blaine Early, as well as to the many other individuals who made this meeting such a success. He then adjourned the meeting at 11:57 a.m.

Respectfully submitted,
Julian P. Donahue, Secretary

ADDRESS UNKNOWN. Jerome M. Eisenberg, formerly at Collectors' Cabinet, 1000 Madison Ave, New York City, NY 10001. Mr. Eisenberg is a life member of the Society. We would welcome information as to his present address. Please advise Julian Donahue, Secretary, 906 Exposition Blvd, Los Angeles Museum of Natural History, Los Angeles, CA 90007.

COLLECTING EXPEDITION TO SOUTH AMERICA. Because of the success of my 1978 trip to Colombia, another expedition has been planned to Peru, Ecuador and Bolivia, departing April 1979. Duration approx. 6 months. Anyone interested in obtaining Lepidoptera, Coleoptera and specimens of other orders please write giving me details of your interests. All specimens will be supplied with full collecting data and supplied to interested persons upon my return. Christopher J. Farrell, 39, Reynoldstown Rd., Bromford Bridge, Birmingham B 36 8 UW, ENGLAND.



Dreams under a Tree

NOTICES - Buy, Sell, Exchange

Members of the Lepidopterists' Society are invited to use this section free of charge to advertise their needs and offerings in Lepidoptera. We cannot guarantee any notices, but all are expected to be made in good faith. Please be brief, clear, and check spelling. Notices will be limited to 2 appearances. The Editor reserves the right to alter or reject unsuitable copy.

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Henceforth the NEWS will not publish the following:

- 1) offers of large or wholesale quantities.
- 2) offers of butterflies or parts of butterflies for hobbies & jewelry making.
- 3) ads for the importation of endangered or threatened species, unless proof of permit (xerox or other copy) is made available.
- 4) offers of live material, unless customs regulations are followed.

If collecting data is available for specimens offered, it is highly desirable to so state.

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- FOR SALE: Formosan butterflies, moths, beetles and other dried Formosan insect specimens including cocoons and ova of Formosan moths. Ou Chun-Cheng, P.O. Box 860, Taipei, Formosa (TAIWAN).
- FOR SALE or EXCHANGE: Several hundred each of Papilio zelicaon and Battus philenor hirsuta, bred lab stocks from Central California. Can anybody use them? Pierini from anywhere desired in exchange, or suggest what you have. A.M.Shapiro, Dept. of Zoology, University of California, Davis, CA 95616 USA.
- EXCHANGE: Eastern Canadian Butterflies, perfect with full data, for worldwide Nymphalidae. Send for free list. R.A.Layberry, 530 Byron Ave, Ottawa, Ontario, K2A0E3,CANADA.
- FOR SALE or EXCHANGE: Living cocoons of the Hyalophora hybrid--H. cecropia ♂ x H. gloveri ♀; also H. cecropia, Actias luna, and Callosamia promethea. Papered material(with data) including Catocala cara and C. innubens, Graphium marcellus f. lecontei, a few other Ohio species, and two A-I pairs of Speyeria nokomis apacheana. Will exchange for Catocala ova, Saturniid cocoons, and Papilio pupae (in each case only from southern and western U.S.), and for cocoons of H. columbia. John W. Peacock, 185 Benzler Lust Rd., Marion OH 43302.
- WANTED: Papilio machaon alaska, P. machaon hudsonianus, P. breviceauda, P. nitra, P. indra nevadensis, P. alexiades, P. indra minor, P. diazi, P. breviceauda bretonensis & P. breviceauda gaspeensis in exchange for butterflies from Southern California or Mexico. Bob Wuttken, 2710 1/2 Highland Ave, Santa Monica CA 90405.
- EXCHANGE: Attacus lorquini cocoons, from the Philippines, for any common or uncommon A.I. worldwide papered specimens (no livestock, please), in appropriate numbers. Please send list of offers to: Brian Wurzell, 47 Rostrevor Ave, Tottenham, London N156LA, ENGLAND.
- FOR SALE: Papered Lepidoptera, large beetles, scorpions, and giant bird-eating spiders. Papilios, including some birdwings. Aberrations and Gynandromorphs and some Morphos. Also, live cocoons of Attacus atlas lorquini where legal. Material from all countries available. Send \$1.00 for lists. Prompt delivery. Also, will BUY or EXCHANGE papered American Papilios, other Rhopalocera and silk moths. Also cocoons & ova from any country where legal. Immediate reply. D. Singh, Universal Butterflies, 12 Highview Gardens, New Southgate, London N. 11, ENGLAND.
- WANTED: Winter pupae of many overwintering species, but in particular: cecropia, promethea, advena, asterias, troilus and glaucus. Any quantity. Please quote price and numbers available. Robert Goodden, Worldwide Butterflies, & Lullingstone Silk Farm, Sherborne, Dorset, England..
- FOR SALE: Printed labels for entomologists. Exceptionally high quality printed labels are available for prices as low as \$2.25 per thousand. Labels are typeset in 4 pt type (not photoreduced from typewritten copy), are printed in special black ink on 100 lb. white card stock, and are available with quick deliveries. Supported by the LEPIDOPTERA RESEARCH FOUNDATION which receives 20% of the purchase price of the labels. Write for brochure with complete prices to Bio-Publication Services, 25711 N. Vista Fairways Drive, Valencia, CA 91355. Attn: John H. Masters.
- FOR SALE: We have butterflies from nearly all parts of the Far East, for both the general collector and the collector of rare species. For complete list write to The Global Colosseum, 88 Bencoolen St., Singapore 7, SINGAPORE.
- FOR SALE: Simplified Checklist of the Skippers and Butterflies of the U.S. and Canada, vol. I, parts 1 and 2 (Checklist and Index). \$3.00 pp in U.S. and Canada. Work on the vol. II parts (\$2.00 each) has already begun. Richard E. Gray, Aux.R.R.2, Enfield, NH 03748.
- FOR SALE: Data Labels. Printed to your requirements in any quantity of labels/lines. Choose from a variety of paper surfaces and typefaces. Full details and sample labels on request. P.D.J.Hugo, 38 Cotswold Crescent, Chipping Norton, Oxon. OX7 5DT, ENGLAND.
- WANTED: Middle and South American butterflies, especially Morpho. Also, want to SELL: Japanese butterflies. Masayasu Asakawa, ASAKAWA TRADING CO., P.O.Box 14, Komatsushima, Tokushima 773, JAPAN.

- WANTED: Collection of USA papered Lepidoptera in perfect condition, approximately 80 - 100 individuals representing major families, for important world exhibition. Please write: Robert Goodden, Worldwide Butterflies, Sherborne, Dorset, England.
- WANTED: *P. cynthia* cocoons, especially from Eastern U.S.A cities. WILL EXCHANGE *polyphemus* and *cecropia* cocoons in limited numbers for *C. regalis*, *H. rubra*, *H. gloveri*, *Attacus*, *E. caletta*, *H. columbia*, *Rothschildia*. Bruce C. Pulsifer, 22 Newell St, So. Windham, ME 04082.
- EXCHANGE: STAMP COLLECTORS-I will trade my large, older collection for your N.A. butterflies or books. Advise first letter your offerata, with what you think your individual spms. are worth in trade, and I will send your interests on approval with Scott prices. Presently have no butterfly collection, so need everything, esp. *Speyeria*, *Euphydryas*, and *Lycaeides*. Ray Crowe, 2020 S. Holladay, Seaside, OR 97318.
- FOR SALE or EXCHANGE: Pupae: *Actias luna*, *Hyloicus gordius*, *Anisota virginianensis*, *A. sena* toria Mint papered specimens: *Papilio troilus*, *Papilio polyxenes asterius*, *Citheronia splendens*. *Splendens* in short supply. For information on prices and trades: William Houtz, RD#4 Box 477, Pine Grove, PA 17963.
- FOR SALE: One of the best and largest private collections of butterflies and skippers in existence, with nearly all North American species included; especially rich in western and southwestern U.S. material, some material from Mexico and Colombia. Inventory sent to bidders for the entire collection. Dr. James Scott, 60 Estes St., Lakewood, CO 80226 USA.
- FOR SALE: About 3,000 lepidoptera from Manitoba, Canada. Price list on request. Full data. Some species in short supply. State alternatives if possible. C.S. Quelch, 21 Park Circle, Winnipeg, Manitoba, CANADA.
- FOR SALE: Vacuum pump PV35 (Precision Scientific Co.) with 2 desiccating jars. Used twice. \$125.00 or make offer.
- also FOR SALE: Many duplicate pinned Lepidoptera and other insects. Not able to mail. Call or write for appointment. S. Osmundson, 1926 Bernice Way, San Jose, CA 95124.
- WANTED: To buy or exchange: livestock of American Saturnids and other lepidoptera. Please write to Q. Naturalist Enterprises, 69, Marksbury Ave, Kew-Richmond, Surrey, ENGLAND. U.K.
- EXCHANGE: A variety of specimens of Sphingidae and Saturniidae, - pinned, papered and living pupae - available for exchange. Some good species from South Florida and the Southwest. Lists available on request. B.D. Williams, Lawrence Academy, Groton, MA 01450.
- FOR SALE or EXCHANGE: *Ornithoptera croesus*, *O. lydius*, *O. rothschildi*, etc., several *troides* spp., *Papilio ulysses telegonus*, *P. ulysses ulysses*, *P. torquianus*, plus many more. Send self-addressed stamped envelope for prices and trades, and include want list and offerata. B.E. Ellis, 3817 Schiller Ave., Cleveland OH 44109 USA
- FOR SALE: *Agehana maraho*: (Papilionidae) Known only from Taiwan, a rare and magnificent species, particular morphology (Hindwings with double-veins on each long broad tail), only few collection record up to the present. Papered A1 quality, ♀ & ♂ are available for collector. Write to Ying Min Wu, P.O. Box 2-046, Pei Tou, Taipei, Taiwan, R.O.C.
- EXCHANGE: Attention WORLDWIDE LEPS, I will trade various butterflies from southern Florida for any one *Papilio* from your area. Peter Fuchs, Jr. 5932 NE 6th Ave, Miami, FL 33137, USA.
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- FOR SALE: "Checklist of the Lepidoptera" by Barnes & McDunnough (1917-typed, hardbound); "Rev. of....*Calephelis*" by McAlpine (1971, Jour. Res. en Lepid.): "Microlepidoptera of Philippine Is.", by Diakonoff (1967); "Ent. News", Vols 46-70 ('35-'59); "Bull. Brooklyn Ent. Soc.", Vols 31-60 ('36-'65); "Gray's New Manual of Botany", by Robinson & Fernald (1908). Contact M. S. Nielsen, 3415 Overlea Dr., Lansing, MI 48917, 517-321-2192.
- AVAILABLE: Reprints of McAlpine's "Life History of *C. muticum*"; and "A new metalmark (*Calephelis*) from Texas" by dos Passos; and "The distribution, habits, and life history of *E. mitchellii*..." by McAlpine, et al. Send 40 cents for mailing to M.C. Nielsen, 3415 Overlea Dr., Lansing, MI 48917.
- WANTED: Viable cocoons of saturnids, esp. *cecropia*; also papered pairs of *Hyalophora columbia*. Jerry Dievendorf, 158 Hudson Ave., Delmar, NY 12054
- EXCHANGE: Moderate selection of papered North American Lepidoptera available for exchange. Send your list of available species. All letters answered promptly. Larry Robinson, 1203 Brittany Parkway, Manchester, MO 63011.
- WANTED: Copy of *Butterflies of the genus Vanessa*...Smiths. Contrib. Zool. 84, by W.D. Field. Also any specimens of the *Vanessa* group, worldwide. Will buy or exchange. Mr. M.J.C. Barnes, Beare House, Beare, Nr. Exeter, EX5 3JX ENGLAND.
- WANTED: Ova/ cocoons/ pupae of *Citheronia regalis*, *Eupackardia calleta*, *Hemileuca maia*, *H. nevadensis*. Buy or Exchange for good Canadian butterflies. H.P. Kimmich, 3372 Mahon Ave, North Vancouver, B.C. CANADA, V7N 3T6.
- WANTED: Pupae or ova of *Ceratonia undulosa*, *C. amyntor* & related species. Also other Sphingidae. Send prices to Stephen Pickett, 202 Chelsea, Dumas, TX 79029.

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