

NEWS

of the LEPIDOPTERISTS' SOCIETY

No. 4 July/Aug 1984

June Preston, Editor
832 Sunset Drive
Lawrence, KS 66044
USA

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REARING OF POLITES MYSTIC

A female was obtained on July 2, 1983, and placed in a container with a pot of lawn grass. About 9 ova were laid over the next few days, all on the surface of the soil, not on grass blades or stems. Four of the larvae fed up quite rapidly, but were invisible most of the time in secure tents made of blades of grass and leaves of adjacent weeds. Pupation occurred in these tents and 4 adults emerged on 4, 11, 19 and 20th of September. At the time of writing, early October, several larvae, about half-grown, are still feeding and hopefully will hibernate.

W. J. D. Eberlie
Colburn, Ontario, CANADA

A NEW HOST RECORD FOR THE PAINTED LADY, CYNTHIA CARDUI LINNAEUS (NYMPHALIDAE), ON TREE TOBACCO NICOTIANNA GLAUCA GRAH. (SOLANACEAE)

On September 19, 1983, in San Clemente, Orange County, California, I noticed a large stand of tree tobacco plants Nicotiana glauca on vacant land. The leaves had been webbed and fed upon, similar to the manner in which Cynthia species feed. After a careful search I found only one dead larva, most of the others had already left to pupate. I identified the larva as the Painted Lady Cynthia cardui. The normal food plants for this species are Malva species (Malvaceae), Cirsium (Compositae), Lupinus species (Leguminosae), Amsinckia and Carypantha (Boraginaceae).

In years of exceptional abundance, as was this year, often many other plant species are used. This is the first account, to my knowledge, of this species feeding on a Solanaceae plant.

Michael J. Martinez
Calif. State Univ., Long Beach, CA

OVIPOSITING BY TWO LYCAENIDS

Satyrus edwardsii: On July 27, 1983, at 15:15 on a very hot sunny afternoon in the Oak Heights area of Haldimand Twp., Northumberland Co., I observed a fresh female S. edwardsii alight on an oak leaf (Quercus alba) about 1/2 metre above the ground, the plant being about 1 metre high. It was a "scrubby" oak near the middle of a logging trail and had clearly been cut or

trampled previously. The butterfly, having investigated the leaf by walking around it with its antennae and hind-wing tails waving back and forth, oriented herself head downward. She then purposefully walked toward the main stem of the little tree and proceeded down the stem to the ground, having walked all around the base of the stem which was about 4 cm. in circumference. She deposited several eggs in crevices of the bark almost at ground level. Whilst doing this she was well hidden by foliage and could only be seen by moving the branches of the oak. It was impossible to collect the ova as they were firmly attached to the bark. Therefore the tree was marked so that perhaps the larvae can be found next year.

Hylolycaena hyllus: On a hot, sunny, humid day a fresh female was observed on September 3, 1983, at about 14:30 in the afternoon near Little Britain, Hope Twp., Northumberland Co., flying around a plant of Curled Dock (Rumex crispus) by the roadside. She alighted on a leaf about 30 cms. above the ground and after a very brief walk around spread her wings and sunned herself for a few seconds. Then she walked to the main stem of the plant and down to the ground, exactly as did the S. edwardsii female previously observed, and, similarly, she became well hidden by surrounding grass and weeds. On peering through the parted weeds, it was possible to see her circumnavigate the base of the main stem of the plant and then deposit ova in surrounding grass stems, and leaflets of the Dock, but not on the stem. These eggs were laid 2 or 3 cm. above ground level and were thus easily collected and hopefully will survive the winter in my garden.

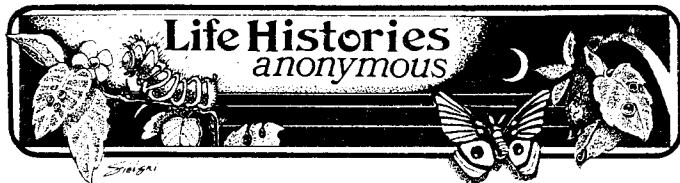
W. J. D. Eberlie
Colburn, Ontario, CANADA

ARTOGEIA VIRGINIENSIS/NAPI IN FRONTENAC COUNTY

On May 13, 1983, about 3 1/2 miles ENE of Sharbot Lake (village) in Oso Township, Frontenac County, I encountered at least 13 A. virginensis adults as well as a few A. napi and 2 Euchloe olympia. This location is 8 miles north of the Bob Lake (village) location and only 2 1/2 miles from the Lanark County boundary. It was a wet spot in mixed woods with many scattered small plants of Dentaria diphylla but no D. laciniata.

I could not find any ova but on a second visit on June 3 I found many ova. These pupated on June 16 to 18 and the adults emerged June 28 to July 7--all being A. napi. They were reared on D. diphylla except for one larva which fed on D. laciniata leaves for 3 days--June 13 to 16--with no apparent ill effects. The D. laciniata plant was found near Ottawa on June 13 along with many others whose leaves had turned yellow, although they were still firm.

(continued on next page)



Although the foodplant at the two locations seems to be D. diphylla, the very short larval stage (18 days) would enable A. virginienensis to feed on D. laciniata despite the very short life of laciniata leaves.

On May 15, 1983, at a locality 2½ miles NE of Bob Lake (village) in Bedford Township, Frontenac County, Don Lafontaine found a good colony of A. virginienensis along one mile of dirt road in rich deciduous woodland of a more northern appearance than the south Frontenac County location. On May 13 I found a few adult A. virginienensis along a 50-yard stretch of this dirt road. I searched extensively for D. laciniata but found none. In a damp area I found a large clump of Dentaria diphylla with many Pierid eggs on the underside of the leaves, laid singly or in pairs. I took one egg and the larva emerged next day. It fed exclusively on D. diphylla. It pupated on June 1, definitely A. virginienensis, and has not yet eclosed.

Ross A. Layberry
Ottawa, Ontario, CANADA

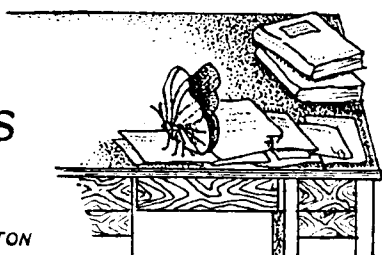
REARING OF COENONYMPHA INORNATA

My rearing studies continue and this year a good series of the butterfly was reared from ova obtained from Peterborough females in June, as well as from local Northumberland Co. females. Twenty-two adults emerged in August from these June ova but several larvae have remained in the second or third instar and will hopefully go into hibernation soon. I also have several larvae in the first instar, from August ova, and these will probably go on feeding sporadically throughout October before commencing diapause.

W. J. D. Eberlie
Colburn, Ontario, CANADA

From The Editor's Desk

JUNE PRESTON



Here are a few more letters from the pile on my desk. I hope to get to the bottom of it eventually.

Dear June:

The recent letters by Tim Friedlander and by Scott, Shields and Hess invite a brief response to further clarify some points. As some readers know, Eric Quinter and I presented a paper concerning cladistic analysis and vicariance biogeography at the last Annual Meeting. Also, our recent detailed paper concerning the Ehrlich/Murphy - Miller/Brown question [J. Res. Lepid.: 21(4): 255-269, 1982 (83)] seems to have been helpful to many people.

An important point (though one which cannot be belabored without undue detail) concerns the need for awareness that a considerable amount of discussion in the area of philosophy of science is behind current controversies in systematics and biogeography. Among professionally trained systematists the matter is not as simple as overall comparisons of the methods themselves. Such comparisons are useful but will always contain a degree of inaccuracy because of the philosophical problems involved. These latter problems mostly concern basic differences between inductive and deductive scientific methods and the problem of consistency in information content and retrievability. The overall problem also concerns science's differentiation of "process" versus "pattern". Cladistics came along on the heels of the Popperian revolution in science. Because of this, not all the salient aspects of cladistics versus evolutionary or phenetic taxonomy are exactly comparable (because meanings and modes of logic differ).

The point of this is not that systematic theory has to be erudite or accessible to only a few; nor does it mean that any particular method is "right." It does mean, however, that major issues in philosophy itself are involved and these need to be accorded a healthy respect. Because major issues differentiating the systematic theories and methods are philosophical it is important that we simply recognize this. This may make us less apt to jump to conclusions about what certain methods, or certain workers, are doing. By not jumping to hasty conclusions or simplistic generalizations we can give other workers the "benefit of the doubt" that they may simply be asking a different question or asking it in a different way. Seeing this, we understand more of the breadth of what science is trying "to get at."

I bring this up simply because it is quite frequent among those discussing philosophical aspects of systematics and biogeography (at meetings, symposia etc.) to "sigh" when the current controversy in Lepidoptera nomenclature is brought up. After the sigh comes the comment "whole issues are lost in that controversy" or "that is unfortunate because the major philosophical issues are not understood." It probably can't be any other way but it is useful for us to know that this other dimension exists behind the problem. None of us are experts on this point and I think this is why the overall awareness is important. Scientific philosophers like Dr. David L. Hull of the University of Wisconsin have gone a long way in helping us understand what is going on in these current scientific controversies. We should simply be a bit careful of having a limited consciousness about the matter. The recent exchanges in the NEWS and in the J. Res. Lepid. have all been helpful in this regard.

Dr. Kurt Johnson,
Dept. of Entomology, AMNH

Dear June,

This letter is in reply to that from H. Flaschka which appears in the March/April issue of the NEWS, and to all other interested parties concerning the current problems with nomenclature relative to the North American butterflies.

At the 1983 Annual Meeting of the Society in Columbus, the Executive Council established a committee to review Memoir No. 2 (the Miller & Brown Checklist). The function of this committee is to correct existing errors, update the material as necessary, and make any other necessary revisions. A preliminary report from the committee will be presented to the Executive Council at the Alberta meeting in July of 1984. At that time, a decision should be made as to how the results of the committee's findings will be made available to owners of Memoir No. 2.

This committee was appointed by the Executive Council and now consists of the following members (some original appointees declined to serve):

Clifford D. Ferris, Univ. of Wyoming (Chairman)
F. Martin Brown, Colorado Springs, CO.
David L. Hancock, Nat. Mus., Bulawayo, Zimbabwe.
Lee D. Miller Allyn Mus./Fl. St. Mus. Sarasota, FL.
Stanley S. Nicolay, Virginia, Beach, VA.

Several other specialists are serving as consultants in this project. The number of members comprising the committee and its chairman were selected by the Executive Council.

As to the other concern expressed by Dr. Flaschka concerning the lack of uniformity in nomenclature in several recent publications, I can offer only incomplete comments. The nomenclature in the Ferris & Brown book was supposed to be identical with that in the Miller & Brown publication. A few of the disparities can be attributed to a communication gap, and as senior editor of Ferris & Brown, I must assume responsibility for that. The other disparities relate to changes made in proof and differing times for the publication process. As for the disparities between Memoir No. 2 and the MONA Checklist, I can offer no explanation, nor could Lee Miller when I contacted him about this matter. The two were supposed to be identical in nomenclature and

apparently somewhere in the publication process an unknown individual made the changes in the MONA list.

I agree with Dr. Flaschka concerning the genus-species case-ending problem. This is one of the areas being examined by the committee. At this time, the only suggestion that I can offer regarding specimen labels in collections is to hold off doing anything until the revisionary information concerning Memoir No. 2 becomes available. This information will supersede the MONA Checklist. Some collectors may choose to remain with the dos Passos arrangement, but I hope that those who do at least correct the incorrect genus-species and species-subspecies assignments which appear in that list.

Sincerely yours,

Clifford D. Ferris

P.O. Box 3351 University Station
Laramie, WY 82071

Dear June:

I agree with David Hess that the Linnaean system is the best that we have, but he mistakes its purpose. The system itself is intended as a framework or filing system for the organization of information. It is not meant to, nor can it ever convey all that there is to know about any given taxon. Any 'brief shorthand biological code' to be added to taxon names would cause collapse of the system for two reasons.

First, lack of balance. The kinds of information available for the different taxa differ wildly now partly because of how little we know and always will differ wildly because structures and behaviors variable in some groups are entirely absent from others. What the shorthand code included would always be idiosyncratic. Second, appending volumes of data to names destroys the purpose of having names.

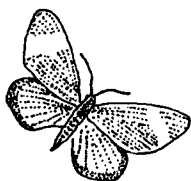
Since I possess an (almost) unique name, I will sign with it alone. I will keep my age, social security number, height, number of chromosomes, religion, and DNA sequence to myself. Anyone seeking to study me can look up information under my name and can file information under my name. And if you just want to talk about me, all you need to know is my name. But if you had to append everything knowable after the name, you'd have very little time left for talking. Change my name and all is lost.

Sincerely yours,

Dr. Raymond R. White

Biology

City College of San Francisco



POSSIBLE ESTABLISHMENT OF COLONIES OF CATOCALA MULIERCULA AND CATOCALA VIDUA IN SOUTHERN MASSACHUSETTS

In Spring of 1983 I initiated a three year survey of the Lepidoptera inhabiting the area around the Lloyd Center For Environmental Studies, which is located near the mouth of the Slocums River Estuary, South Dartmouth, Massachusetts. I operated a mercury vapor trap on weekly or biweekly intervals from April through November. A number of southern strays were encountered, but more interesting is the probable discovery of colonies of Catocala muliercula (a new state record) and Catocala vidua (identifications confirmed by Dale Schweitzer). About a dozen C. muliercula were captured on August 15, 28, and 29. C. vidua was the second most abundant hickory-feeding underwing (after C. palaeogamma), far outnumbering the more northern C. relecta. C. vidua was captured on August 28 and 29; September 11, 12, 25, and 27; and October 15 and 16. More frequent trap operation, exact counting, and a search for larvae of both C. muliercula and vidua is proposed for the upcoming season.

Mark J. Mello

Center for Coastal Studies,
Provincetown, Massachusetts, 02657

MINUTES OF THE 34th ANNUAL MEETING OF THE LEPIDOPTERISTS' SOCIETY Columbus, Ohio, 7-10 July 1983

The 34th Annual Meeting of The Lepidopterists' Society was held on the campus of The Ohio State University, Columbus, Ohio, 7-10 July 1983, co-sponsored by The Ohio Lepidopterists, in cooperation with the Ohio Biological Survey and the University's Department of Entomology. There were 119 paid registrants.

The narrative report and photographs of the meeting already published by June Preston in the NEWS 1983 (No. 5): 61-64 are herewith incorporated by reference--that information will not be repeated here.

The formal program began at 8:45 a.m. on Friday, 8 July, in the Assembly Hall of the Fawcett Center for Tomorrow, where all formal aspects of the meeting were conducted. Lowell R. Nault, OARDC, presided over the morning session, with 103 persons present. After announcement by Conference Chairperson Eric H. Metzler, and a welcome to the University by Patrick R. Dugan, Dean, College of Biological Sciences, the following papers were presented (presenter's name given first in cases of joint authorship):

"Presenting The Ohio Lepidopterists," Reed A. Watkins, President, The Ohio Lepidopterists, Spring Valley, Ohio;

"Formation and diversity of the Ohio landscape," Charles C. King, Ohio Biological Survey, Columbus;

"Wetland classification and lepidopteran habitat requirements," John A. Shuey, The Ohio State University, Columbus;

"The northern distribution of Euphyes dukesi (Hesperiidae)," Leland L. Martin, Wakeman, Ohio;

"Dukes' skipper colony becomes Ohio State Parks' first nature sanctuary," Nancy Stranahan, Ohio Dept. of Natural Resources, Columbus;

"The Cleveland Museum of Natural History Lepidoptera: the collection, the biological records program of northeastern Ohio, and the tagging of monarchs," Sonja Teraguchi, The Cleveland Museum of Natural History;

"The dos Passos connection," Bob Lee Mowery, Wittenberg University, Springfield, Ohio.

Retiring Society President Dr. Charles V. Covell, Jr., then presented his Presidential Address, entitled "Reflections on the progress of The Lepidopterists' Society and North American lepidopterology."

Following a recess for the group photograph and lunch, the afternoon session began at 1:50 p.m. with Austin P. Platt presiding over a session of the following contributed papers:

"Butterflies of Pennsylvania," John Prescott, Erie, Pennsylvania;

"Lepidoptera in the Pine Ridge, Nebraska," Clifford D. Ferris, University of Wyoming, Laramie;

"Cladistic analysis and vicariance biogeography in studies of Lepidoptera," Eric L. Quinter and Kurt Johnson, American Museum of Natural History, New York, N.Y.;

"Hamadryas in the United States of America," Dale W. Jenkins, Allyn Museum of Entomology, Sarasota, Florida;

"Taxonomy, ecology, and sexual saltation in Myscelia," Dale W. Jenkins, Allyn Museum of Entomology, Sarasota, Florida;

"The identification of two species of Junonia Huebner (Nymphalidae), J. evarete and J. genoveva, in Jamaica with the establishment of neotypes for both species," J. R. Parnell, University of the West Indies, Kingston, Jamaica, and T. W. Turner, Agri-Trade, Inc., Clearwater, Florida;

"Reinthal's Asterocampa," Tim Friedlander, Texas A & M University, College Station, Texas;

"Phenotypic divergence and gene flow in blending populations of Limenitis (Basilarchia) arthemis-astyanax in the northeastern United States of America," Austin P.

Platt, University of Maryland, Baltimore County, Catonsville, Maryland;

"Pronophilini (Satyridae) of Mexico," Lee D. Miller, Allyn Museum of Entomology, Sarasota, Florida;

"The systematic position of the named North American forms of Boloria (Clossiana) titania and Boloria (Clossiana) chariclea (Lepidoptera: Nymphalidae)," Ted Pike, University of Alberta, Edmonton, Alberta, Canada.

* * *

The formal session resumed at 9:06 a.m. Saturday morning, 9 July, with Theodore D. Sargent and Lincoln P. Brower presiding over a Symposium entitled "Current Research on the Biology of the Lepidoptera," consisting of the following contributions:

"Movement and dispersal in Euphydryas gillettii (Nymphalidae)," Ernest H. Williams, Wellesley College, Wellesley, Massachusetts;

"The influence of bird predation on butterfly populations," M. Deane Bowers, Harvard University, Cambridge, Massachusetts;

"The startle response of bluejays to Catocala (Noctuidae) models," Debra H. Schlenoff, University of Massachusetts, Amherst, Massachusetts;

"Predator-prey interactions: effect of physical constraints of caterpillar defense behavior," Nancy E. Stamp, University of California, Davis, California;

"Multiple mating and sperm competition in Lepidoptera," Boyce A. Drummond, Illinois State University, Normal, Illinois;

"Pupal color dimorphism in swallowtail butterflies," David A. West, Virginia Polytechnic Institute and State University, Blacksburg, Virginia;

"Rate of speciation in eumaeine hairstreaks (Lycaenidae)," Robert K. Robbins, Smithsonian Institution, Washington, D.C.

After a break for lunch, John W. Peacock presided over the Saturday afternoon session of the following contributed papers:

"Biological relationships among western spruce budworms: a paradox for the species category in taxonomy," J. A. Powell and J. A. DeBenedictis, University of California, Berkeley, California;

"The spruce budworm (Choristoneura occidentalis Freeman: Tortricidae) problem in the western United States of America," Karolis Bagdonas, Laramie, Wyoming;

"The migration of spruce budworm moths (Lepidoptera: Tortricidae) in Atlantic Canada," A. W. Thomas, D. O. Greenbank, G. W. Schaefer, and R. C. Rainey, Canadian Forestry Service, Fredericton, New Brunswick, Canada;

"Observations on the mating behavior of the adult mimosa webworm, Homodaula anisocentra Meyrick (Lepidoptera: Glyphipterigidae)," John W. Peacock, Forest Service, U.S. Department of Agriculture, Delaware, Ohio;

"Exceptional catches of Catocala at elms infected with Dutch elm disease," John W. Peacock, Forest Service, U.S. Department of Agriculture, Delaware, Ohio;

"Melanism in Phigalia titea (Cramer) (Geometridae): a sixteen-year record from central Massachusetts," Theodore D. Sargent, University of Massachusetts, Amherst, Massachusetts;

"Questions raised by consideration of protective coloration and mimicry as issues in transmission of information from prey to predator," Benjamin H. Landing, University of Southern California, Los Angeles, California;

"Unusual behavioral patterns in noctuid larvae," Roy W. Rings, Ohio Agricultural Research and Development Center, The Ohio State University, Wooster, Ohio;

"Integumental structure of micropterigid larvae with special reference to plastron surfaces," Donald R. Davis, Smithsonian Institution, Washington, D.C.;

"Cardenolide fingerprinting of the monarch butterfly to its milkweed food plants," Lincoln P. Brower, University of Florida, Gainesville, Florida.

* * *

On Sunday, 10 July, the program resumed with more contributed papers, Eric H. Metzler presiding: "Lepidoptera that use Oxydendrum arboreum (L.) as a food plant," Eric H. Metzler, Ohio Department of Natural Resources, Columbus, Ohio;

"Observations on an oak-feeding population of Hemileuca lucina Hy. Edw. (Saturniidae) in Massachusetts," William D. Winter, Jr., Harvard University, Cambridge, Massachusetts;

"The status of Papilio homerus Fabricius in Jamaica, West Indies," T. W. Turner, Agri-Trade, Inc., Clearwater, Florida;

"Interspecific variation in the structure of sulphur butterfly courtship and the evolution of male courtship displays," Ronald L. Rutowski, Arizona State University, Tempe, Arizona;

"Art meets science: butterflies in the history of art," Irving L. Finkelstein, Georgia State University, Atlanta, Georgia.

* * *

After a break for coffee, President Charles V. Covell, Jr. called the Annual Business Meeting to order at 11:25 a.m., with 46 persons present.

Treasurer Ron Leuschner highlighted the Society's financial status, stating that a summary of the full report would be published in the NEWS (under current procedures, final accounting for the calendar year is done after all publications for that year have appeared). The Society ended 1982 with a surplus, due in large part to excess revenues from the Annual Meeting in Laramie. Interest earned on deposits continues to be a significant source of revenue. No dues increase necessary for 1984. There is now about \$8,000 in the Publication Fund. Report accepted.

Secretary's Report: Julian Donahue commented on the new computerized membership records, responsible for generating the 1982 Membership Directory, noting that members may now revise their lists of interests at any time; computer printouts of names of people interested in any given subject may also be requested (send self-addressed, stamped envelope). Telephone numbers (optional) will be listed in future Directories.

The Family Membership option will become effective in 1984. Each person in the same family at the same address, in addition to the "master" member at full membership rates, may become an Affiliate Member for only \$5.00 per year--they will have full benefits of membership, including voting, but will not receive a separate set of publications.

Donahue queried the members concerning membership benefit promotions, such as group life insurance, car rental discounts, and discounts on admissions (he receives many such proposals each year). There was a general lack of interest, so he will continue to turn down these offers. Interest was expressed, however, in the availability of insurance for collections of specimens and rare books, and the evaluation of collections--he said he would look into this. [Subsequent inquiries with insurers resulted in the advice that the best insurance would be to obtain a rider for one's existing renter's or homeowner's insurance, as opposed to a special, separate policy. Concerning evaluations, a number of Society members offer their services as appraisers, and these may be sought in the pages of the NEWS.]

NEWS Report: June Preston announced that there would be 80 pages in 1983. Guidelines for the Season Summary will be sent to coordinators.

OLD BUSINESS:

Season Summary Report: Dave Winter announced that the Executive Council had formed a committee (Irving Finkelstein, Don Lafontaine, Bob Langston, Winter, plus one to be announced) to make recommendations on uniformity, reporting zones, etc. (report to be presented at the 1984 Annual Meeting). More input to the Summaries is desired, including names of people compiling and maintaining regional lists

(especially of moths).

Covell announced that the standing committee to revise/update the catalogue of North American butterflies had been merged with the taxonomic clearinghouse committee. This committee [Cliff Ferris, (chair), F. Martin Brown, Lee Miller, Paul Ehrlich and Stan Nicolay] will present its report at the 1984 Annual Meeting.

Covell announced that future manuscripts for the Memoirs would be subjected to peer review, and that the Society will continue its policy of not reviewing its own publications in the JOURNAL.

NEW BUSINESS:

Offers for future meeting sites are being solicited. The 1984 meeting will be in Fairview, Alberta. Pittsburgh is still being considered for the 1985 meeting [invitation subsequently withdrawn--Urbana-Champaign, Illinois now being considered]. Possibilities for 1986 and later include the University of Illinois, University of Florida, and the Milwaukee Public Museum. Ottawa, Ontario is possible for 1987, in conjunction with the centennial celebration of the Canadian National Collection. Invitations from western and eastern states are needed.

The recommendations of the Nominating Committee (Jerry Powell, Jackie Miller, Paul Opler) will appear on the November ballot.

The Resolutions Committee [Jo Brewer (chair), Irving Finkelstein, Mo Nielsen] report thanking all concerned for this highly successful meeting was accepted unanimously. Additions from the floor thanked the transportation people, Lynn Brand, donors of door prizes, and the coordinators of the photo salon.

After introducing new members of the Executive Council present in the audience, Covell passed the gavel (and deely-bopper) of office to the new President, Lee D. Miller, who adjourned the meeting at 12:18 p.m.

Respectfully Submitted,
Julian P. Donahue, Secretary

CONDENSED MINUTES OF THE 30th ANNUAL MEETING, PACIFIC SLOPE SECTION, THE LEPIDOPTERISTS' SOCIETY

The 1983 meeting was held 26-28 August at Camp Inyo outside of Big Pine, Inyo County, California, in the Owens Valley, in the shadow of the Sierra Nevada. A total of 58 people attended. Members began arriving on Friday, 26 August, to choose between camping out or free dormitory accommodations. In the evening BioQuip Products hosted an outdoor wine and cheese party prior to a western barbecue dinner, while mercury vapor and black lights glowed around the camp.

Saturday a.m., 27 August, Carolyn Murphey-Smith presided over a symposium she had organized on The Natural History of the Owens Valley, consisting of the following papers:

"A brief human history of the Owens Valley," Carolyn Murphey-Smith, Dimensions in Wilderness, Lee Vining, California;

"Plant communities of the Owens Valley, California," Mary DeDecker, Independence, California;

"Volcanoes and earthquakes: a brief geologic history of the Owens Valley," Genny Smith, San Francisco & Mammoth, California;

"Water and wildlife of the Owens Valley," Dave Babb, Los Angeles Department of Water & Power, Bishop, California.

After lunch, Ray Stanford presided over the presentation of the following contributed papers:

"Some little known butterflies of some little known areas of Inyo County," John F. Emmel, Hemet, California;

"The butterflies of Isla de Cedros, Baja California Norte, Mexico," John W. Brown & David K. Faulkner,

San Diego Museum of Natural History;

"Report on the 34th Annual Meeting of The Lepidopterists' Society, Columbus, Ohio, July 7-10, 1983," Julian P. Donahue, Natural History Museum of Los Angeles County, Los Angeles, California;

"The oviposition behavior of Everes amyntula, the Western Tailed Blue, on Astragalus whitneyi," Clint Kellner, University of California, Davis, California;

"Lekking behavior in Lepidoptera: Papilio, Estigmene, and Hepialus," David Wagner, University of California, Berkeley, California;

"Rearing Microlepidoptera: a survey of San Bruno Mountain, California," John DeBenedictis, University of California, Berkeley, California;

"California's winter Monarch homes: found--but how?" John Lane, Santa Cruz Museum, Santa Cruz, California.

Saturday evening the Annual Banquet was in Big Pine. "The Man We Honor" for the 1983 John Adams Comstock Award was Charles Francis ("Harbie") Harbison. The winner of this year's Comstock Award cash prize for the best student paper was David Wagner, for his excellent presentation on lekking behavior--the second consecutive year Dave has won this award. After dinner Jerry A. Powell, University of Calif., Berkeley, told of his study trip to Australia in a slide talk entitled "Fossicking Lepidoptera in the rather bashed bush around Sydney and Brisbane." The scheduled evening program concluded with Julian Donahue awarding numerous door prizes to an eager audience. Unscheduled activities continued long into the night, both in the bar and at the moth lights.

Sunday a.m., 28 August, John F. Emmel presided over a session of the following contributed papers:

"An overview of the Utah butterfly distribution project," Clyde F. Gillette, Salt Lake City, Utah;

"Comparative distributions of western U.S. butterflies by counties: an expanded project," Ray E. Stanford, University of Colorado Health Sciences Center, Denver, Colorado;

"Portrait of a disaster: the 1982 and 1983 northern California butterfly seasons revisited," Arthur M. Shapiro, University of California, Davis, California (read by Clint Kellner);

"The Lepidoptera collection of the Natural History Museum of Los Angeles County: its history and significance," Julian P. Donahue, Natural History Museum of Los Angeles County, Los Angeles, California;

"The Hepialidae of California," David Wagner, University of California, Berkeley, California;

"Moths of my Los Angeles backyard," Ronald Leuschner, Manhattan Beach, California;

"Trapping Choristoneura species with C. occidentalis, C. retiniana and hybrids," John DeBenedictis & Andrew Liebhold, University of California, Berkeley, California;

"Discovery of a remarkable new genus of Geometridae in the Owens Valley region," Jerry A. Powell, University of California, Berkeley, California.

The Annual Business Meeting began at 12:15 p.m., Sun., Julian P. Donahue presiding (32 members present). Selection of the 1984 meeting site was the main item of business and the rural meeting concept was strongly favored. Final selection was left to Dave Wagner, who volunteered to be Program Chairman. The Univ. of Calif. forestry camp in Plumas County was subsequently selected; meeting dates 1-3 June 1984. J. Wilson ("Bill") Tilden was selected to be the John Adams Comstock "The Man We Honor" in 1984. Bob Langston will be in charge of preparing the biography.

Subject of a California Lepidoptera Survey was brought up for discussion. No action taken. MOTION that the Comstock Prize for best student paper presented at a meeting be limited to two awards per person per student career. PASSED by vote of 15 to 7.

Thanks for their contributions to a highly successful meeting were conveyed to Julian P. Donahue (coordinator), Jerry A. Powell (program and Comstock

Award), Carolyn Murphey-Smith (local arrangements), Art & Connie Broch (cooks), Helen & Dorothy Nelson (Knight Manor, banquet). Gary Doyle (caretaker), John Lane (projectionist), and the Comstock Award Judges (Ray Stanford, John Emmel, Bob Langston).

The meeting adjourned at 1:10 p.m.

Submitted by Julian P. Donahue, Secretary Pro Tempore



SAY YES TO Y.E.S.

Y.E.S. is the Young Entomologist's Society (originally Teen International Entomology Group, founded in 1965) and membership is open to all individuals who are young in heart, either young or old, amateur or professional, with an interest in entomology. It has members in all 50 states and 2 U.S. territories plus 15 other countries. Benefits include a quarterly magazine and a membership directory for those interested in trading specimens. Annual dues are quite reasonable. For further information and/or membership applications contact Gary Dunn, Young Entomologist's Society, Dept. of Entomology, Michigan State Univ., East Lansing, MI 48824-115, USA.

ICZN

The commission gives 6 months notice of possible use of its plenary powers in the following case, published in the Bulletin of Zoological Nomenclature, Vol. 41, part 1, on 29 March, 1984. Comments and advice are welcome. Correspondence should be addressed to R. V. Melville, c/o British Museum (Natural History), Cromwell Rd., London SW7 5BD, England, using the reference number ITZN 11/4 A.N.(S.) 129

Case No. 1759 Heliconius erato Aurivillius, 1882 (Insecta, Lepidoptera): proposed conservation under the plenary powers.

DIRECTORY OF COLLECTING POLICIES ...

In connection with the Collecting Guidelines published with the NEWS in 1982, the Committee had considered compiling a list of the restraints on collecting which exist on various public lands, for the guidance of Lep. Soc. members. At about that time Gary A. Dunn, at Michigan State University, published in The Great Lakes Entomologist "A Directory of Policies on Arthropod Collecting on Public Lands." This details the restrictions on collecting throughout the United States (but not Canada or south of the border) and gives the addresses of all the agencies from which permission to collect on public lands (such as state and national parks and forests) must be sought. Gary has several hundred copies of his article on hand for distribution and he has offered to mail a copy to anyone who writes requesting one. Contact Gary A. Dunn, Dept. of Entomology, Michigan State Univ., Lansing, Michigan 48824.

1983 SEASON SUMMARY CORRECTIONS.

In Zone 3--p. 18, line 25: for David E. Eiler, read David L. Eiler. p. 18, line 51: read C. alexandra christina. p. 18, line 72: for G. Cran, read T. Cran. p. 19, line 13: for 10 Aug, read 21 July. p. 19, line 36: for S(JK), read (SJK). p. 21, line 36: for 28 Aug. (RES), read 28 Aug (RLK). p. 21, line 40: for 31 June (RES), read 31 July (RES). p. 23, line 27: for (JSC) after M. siva, read (SJC).

In Zone 4--under TEXAS Butterflies, Hesperia juba from Palo Duro Canyon reported by JFP should be H. viridis.

In Zone 5--omitted from "other collectors cited" was Herig, T. (TH). Under OHIO, "State/Predator Record", correct to I. laricis; and "MOTHS", after P. pithecium, change to (L). Under WEST VIRGINIA, after S. kalmiae, add Roane Co.

RESEARCH NOTICE

● JUNIOR AUTHOR SOUGHT: RESIDENT OF BRITAIN. Character analyses, type work and all illustrations completed for revision of several assemblages of Thecla (Lycaenidae), done adjunct to major revisionary work. Volume of research and writing responsibilities on other projects suggests need for junior author with regular or at least frequent access to British Museum (Natural History) for preparing descriptions. Will consider non-Britain if with periodic access to BMNH over next two years. Published works assured as part of overall research strategy. Apply with initial letter and brief resumé to: Dr. Kurt Johnson, Theclid Research Fund, Dept. of Entomology, American Museum of Natural History, Central Pk. W. at 79th St., New York, N.Y. USA.



New Members



- BLEUER, JAMES: 205 Arbor Drive, Southport, CT 06490.
BROWNING, COLIN A.: 60 Prospect St., Madison, NJ 07940.
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FLORENCE, MS. JEVETTA B.: Rt. 2, Box 40, Cox's Creek, KY 40013.
GHIRADELLA, DR. H.: SUNYA, Dept. of Biol. Sciences, Albany, NY 12222.
HERRERA G., PROF. DR. JOSE: Eduardo Castillo Velasco 4148, Nunoa, Santiago, CHILE.
HORST, JEAN: Rt. 3, Box 36, New Holland, PA 17557.
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Address Changes



- CALVERT, WILLIAM: Apartado 10165, San Jose, COSTA RICA.
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 STEEN, JAMES: 11744 Brookview Drive, Grass Valley, CA 95945.
 SWANK, CHARLES G.: 10315 Glenkirk, Houston, TX 77089.
 TUTHILL, S. J.: Add Box 1168.
 YEH, MICHAEL K. P.: P.O. Box 470, Ipoh, Perak, MALAYSIA.

Buy Sell Exchange

Items submitted for inclusion in this section are dealt with in the manner set forth on page 10 of the Jan/Feb 1984 NEWS. Please note that in keeping with the guidelines of the Society, henceforth no mention of any species on any threatened or endangered species list will be accepted in these items. Items will be accepted from members only and will be printed only once unless entry in the maximum of two successive issues is requested. Please keep items short. A maximum of 100 words is allowed. SASE calls for a self addressed stamped envelope.

The Society, as always, expects all notices to be offered in good faith and takes no responsibility for the integrity of any advertiser.

FOR SALE: C. johnsoni, E. laeta, P. eversmanni, C. xami, E. mitchelli, other hard to obtain US and Canadian butterflies, SASE for price list. Bill Wright, 18 Clinton Place, Woodcliff Lake, N.J. 07675.

FOR SALE/EXCHANGE: Butterflies of Northern South America (Columbia, Peru, Brazil, Amazon regions) as well as Central America. Both rare and common species: Agrias, Morphos, Caligos, Heliconians, Nymphalids, Theclids and Pierids. Some Saturniidae and rare coleoptera. Jim Jacques, 405 N. Wabash, Apt. 4604, Chicago, IL 60611, USA.

EXCHANGE: Portuguese and European butterflies (Rhopalocera) for specimens from Canada, USA (especially western and southern states). Most interested in Speyeria, Asterocampa, Polygonia, Chlosyne, Phyciodes, Euphydryas, Incisalia, Mitoura, Lycaena: other Lycaenidae, Pieridae and Hesperidae. Jorge S. Bizarro; Rua Tristão VAZ, 3-2^o Esq., 1400 Lisboa, PORTUGAL.

ATTENTION: Offering best quality custom made insect display cases, insect frames, breeding cages, larvae cages, spreading boards, spreading cases, storage cabinets. Price list on request from Karl Mayer, 3859 Taft Ave, Cincinnati, Ohio 45211.

FOR SALE: "Cat. of Erycinidae...", Bates, 1868; "...Mon. of Genus Lemonias ...", Butler, 1868; "Desc. of ... Equatorial Lep.", Hewitson, 1870; "Cat. of ... Erycinidae ...", Bates, 1905; "New Sp. of Geometridae from Tropical Am.", Schaus, 1901; "The Sp. of ... Genus Pamphila", Scudder, 1874; "Micros ... from Black Mountain Reg. of N.C. ...", Kearfott, 1907; "... West Indian Syntomidae and Arctiidae ...", Forbes, 1917; "Leps. of Am. Mus. Exp. to Ariz., 1916", Wright, 1920; "Genetic and Seasonal Var. ... in Colias ...", Gerould, 1943; "Diff. in Field Activity ... of Colias ...", Hovanitz, 1948. For details, write to M. C. Nielsen, 3415 Overlea Dr., Lansing, MI 48917. (517) 321-2192.

WANTED: the following publications and books. The Tribe Catagrammini, Part I, The Genus Catagramma and Allies by L. Dillon, published by the Reading Public Museum; Butterflies of the West Coast by W. G. Wright; The Macrolepidoptera of the World, English Edition, Vol. 5, The American Rhopalocera by Dr. Adalbert Seitz; Butterflies of California by J. A. Comstock. State price and condition. Leroy C. Koehn, 16225 Huntley Rd., Huntsburg, Ohio 44046.

FOR SALE: Complete volumes of "The Great Lakes Entomologist" (1966-1983) are still available. Newsletters of the Michigan Entomological Society are available from Vol. 15, 1970. For details and membership in MES, contact the Executive Secretary, M.E.S., c/o Dept. of Entomology, Michigan State University, East Lansing, MI 48824.

WANTED: Biographical and other information on one "James Sinclair", entomologist in California area circa 1900. All correspondence answered. Reply to Vincent P. Lucas, 800 Brick Mill Run #301, Westlake, Ohio 44145, USA.

WANTED: Items philatelic pertaining to the lepidoptera. Particularly postally used covers and meters needed as well as some stamps. Will trade or buy outright. Send holdings or list by Scott number to Vincent P. Lucas, address above.

WANTED: Dryas delila ♂'s, solid orange, un-marked forms only; Hypaurotis chrysalus ♂'s and ♀'s; Colias eurydice ♂'s. Buy or exchange. Thomas Ashby, Jr., 667 Halifax Dr., Mobile, AL 36609.

MEMBERS' COMMERCIAL NOTICES....

MRS. CHANG PI-TZU, P.O. Box 873, Taipei, Taiwan, R.O.C. Selling Formosan butterflies, moths, beetles, and other dried insect specimens. Also ova and pupae of Saturniidae, sexual mosaics and color aberrations of butterflies and moths as well as colorful items for art work and giveaways.

B. L. GOOI, P.O. Box 9, Tanah Rata, Cameron Highlands, Malaysia. Selling, exchanging butterflies, coleoptera and moths (also cocoons) for collectors and dealers. Also rare montane Lycaenids and Hesperids. Largest stock of Malaysian material, papered and live. Prices very reasonable, esp. for regular clients. Wanted: morphos and any other colorful butterflies; large showy beetles; large bird-eating spiders. All letters answered; do write for latest price lists.

IANNI BUTTERFLY ENTERPRISES, P.O. Box 81171, Cleveland, Ohio 44181, phone: (216) 888-2310. Offering very personalized assistance to the beginning or seasoned collector. Superior quality, double boxed for safety, worldwide butterflies and beetles for all price ranges. Also offering the most popular books and supplies, featuring an excellent butterfly net. Still specializing in Papilio, Morpho and Heliconius. Send \$5.00 for one year price list subscription.

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W. B. RICHFIELD, International Specimen Supply, P.O. Box 1066, Goleta, CA 93116, USA. Selling quality global Lepidoptera and other insects. For specimen price list subscription (12 issues), send either \$5.00 domestic fee or US \$10.00 foreign fee.

DAVE E. DE ROSA, P.O. Box 15432, San Diego, CA 92115, USA. Butterflies, moths, beetles and other colorful insects from around the world. Send 40¢ for postage. The list is free. S.A.E. - Please.

JANICE LOGAN, Butterflies 'N Blossoms, Route One, Box 236, Fayetteville, TN 37334. Phone (615) 433-2294. Morpho didius (A1 papered) in dozen lots. Glass domes, wholesale, for a protective and elegant display of specimens. Four sizes range from 3¼" by 4½" high to 8½" by 11" high. Also H. L. Lewis, "Butterflies of the World" depicting over 5000 specimens in full color. Gives generic and specific names and descriptive information. Book now out of print. Mint Condition, 312 pages, hardcover.

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DEADLINES: Material for the Jan/Feb issue should reach the NEWS EDITOR by Dec. 1 of the previous year, and that for the Mar/Apr issue by Feb 15, for the May/June issue by Apr 1 and for the July/Aug issue by May 1, the Sept/Oct issue by Aug 15 and the Nov/Dec issue by Oct 15. Reports for the SEASON SUMMARY must reach the ZONE COORDINATORS listed on the front cover no later than the 15th of January. NEWS EDITOR is June Preston, 832 Sunset Dr, Lawrence, KS 66044, USA. RIPPLES EDITOR is Jo Brewer, 257 Common St, Dedham, MA 02026, USA.

INFORMATION ABOUT THE SOCIETY.....

Membership in the Lepidopterists' Society is open to all persons interested in any aspect of Lepidopterology. Prospective members should send the TREASURER, Eric Metzler, 1241 Kildale Square North, Columbus, OH 43229, USA, the full dues for the current year (\$18.00 US), together with mailing address and a note about areas of interest in the Lepidoptera; student membership (must be certified) \$12; sustaining membership \$25; life membership \$250. Remittances must be in US dollars, payable to the Lepidopterists' Society. All members will receive the JOURNAL (published quarterly) and the NEWS (published bimonthly). A biennial membership directory will comprise the last issue of the NEWS in even-numbered years.

Information on membership and other aspects of the Society must be obtained from the SECRETARY, Julian P. Donahue, Natural History Museum of Los Angeles County, 900 Exposition Blvd., Los Angeles, CA 90007, USA. Please notify him of any additions or changes in areas of interest for publication in the membership directory.

Changes of address must be sent to the ASSISTANT TREASURER, Ron Leuschner, 1900 John St, Manhattan Beach, CA 90266, USA, and only when the changes are permanent or long-term.

Manuscripts submitted for publication in the JOURNAL are to be sent to Dr. Thomas D. Eichlin, EDITOR, JOURNAL of the Lepidopterists' Society, Insect Taxonomy Laboratory, 1220 "N" Street, Sacramento, CA 95814, USA. See the inside back cover of a recent issue of the JOURNAL for editorial policies.

AVAILABLE PUBLICATIONS OF THE SOCIETY..... Order from the PUBLICATIONS COORDINATOR, Ron Leuschner, 1900 John St., Manhattan Beach, CA, USA.

CATALOGUE/CHECKLIST OF THE BUTTERFLIES OF AMERICA NORTH OF MEXICO (Memoir No. 2), Lee D. Miller & F. Martin Brown: includes references to original descriptions and location of type specimens. Members and subscribers, \$10 cloth, \$5 paper; non-members, \$17 cloth, \$8.50 paper, postpaid.

COMMEMORATIVE VOLUME, 1947-1972: a 25-year review of the Society's organization, personnel, and activities; biographical sketches; JOURNAL 25-year cumulative index by author, subject, and taxon; clothbound. Members and subscribers, \$6; non-members, \$10, postpaid.

1982 MEMBERSHIP DIRECTORY (current to April 1983). Biennial directory of members and their addresses, with geographic and interest indices. Not available for commercial use. (NEWS #6 for 1982). \$5.00 postpaid.

BACK ISSUES of the JOURNAL and of the NEWS of the Lepidopterists' Society. A list of the available issues and their cost, postpaid, is in the NEWS for Mar/Apr 1984, page 39.