

# NEWS

of the LEPIDOPTERISTS' SOCIETY

No. 1 Jan/Feb 1981

Dave Winter, Editor  
257 Common Street  
Dedham, MA 02026  
USA

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## ASSOCIATE EDITORS

ART: Les Sielski

RIPPLES: Jo Brewer

## ZONE COORDINATORS

1 Robert Langston  
2 Jon Shepard  
3 Ray Stanford  
4 Hugh Freeman

5 Mo Nielsen  
6 Dave Baggett  
7 Dave Winter

8 Kenelm Philip  
9 Eduardo Welling M.  
10 Boyce Drummond  
11 Quimby Hess

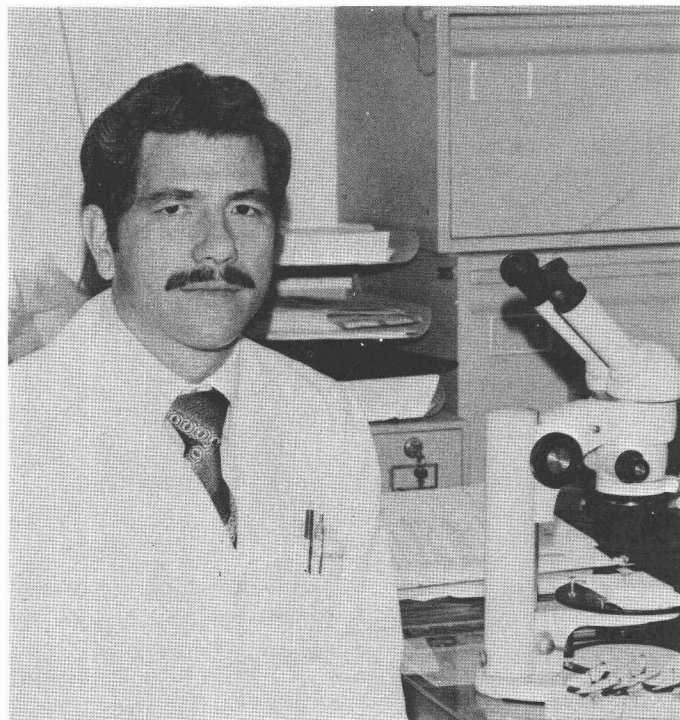
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## Presidential Profile

Current President of the Lepidopterists' Society is Dr. Carlos R. Beutelspacher, of the Departamento de Zoología, Instituto de Biología, Universidad Nacional Autónoma de México. Born in 1945 in Chiapa de Corzo, a small town in Central Chiapas, México, of Mexican parents and German paternal grandparents, he studied biology at the National University of Mexico, where he received a B.S. degree in 1967. Entering the Biology Institute of the University in 1965 to work under Dr. Leonila Vásquez, a former student of C. C. Hoffman, he continues currently at the Institute as Titular Researcher and Head of the Entomology Laboratory.

In 1970 he earned an M.S. degree, and in 1971 a doctoral degree, both from the National University of Mexico. His doctoral thesis was an account of organisms associated with a wild Mexican bromeliad (Aechmea bracteata), from which originated his interest in collecting and raising bromeliads and orchids. Dr. Eizi Matuda dedicated two species of bromeliad to him, Tillandsia beutelspacheri and Pitcairnia beutelspacheri, from material which he collected.

While he has a side interest in the processes of pollination, and has worked on this subject with Robert L. Dresser at Barro Colorado in Panama, his main effort has been directed to the study of Mexican butterflies, principally through faunistic and systematic analyses. In 1974 he organized the Mexican Society of Lepidopterology, of which he was President from its founding through 1977, and also started the publication of the *Revista de la Sociedad Mexicana de Lepidopterología*. He has published some fifty papers and has participated in numerous scientific meetings. In 1972 he published a book, "How to make a Butterfly Collection" (in Spanish), and in 1980 a second book, "Diurnal Butterflies of the Valley of Mexico" (also in Spanish). Currently two other books are in press, "Butterflies Among Ancient Mexicans", and the first part of a quite ambitious undertaking, "Mexican Butterflies" (both in Spanish), the latter being



illustrated by William H. Howe. The first part includes generalities of Rhopalocera, and the Papilionidae. He is now preparing a volume on Pieridae of Mexico.

A member of the Lepidopterists' Society since 1967, he was elected Vice-president in 1976 and is serving as President of the Society for 1980-81. Since 1976 he has been a member of the editorial committee of the Zoology Series of the "Anales del Instituto de Biología" of the National University of Mexico.

He lives in Mexico City with his wife María Guadalupe and his children Isa and José Carlos.

TOM EICHLIN NEW JOURNAL EDITOR.....

With the first issue of Volume 35 for 1981, Dr. Thomas D. Eichlin takes over as Editor of the JOURNAL of the Lepidopterists' Society. He has for seven years been a Systematic Entomologist with the California Department of Food and Agriculture in Sacramento, giving particular attention to systematics of larval and adult microlepidoptera. In addition to studies on plusiine noctuids he is also actively researching the taxonomy and biosystematics of the Sesiidae of the world.

Tom is a native of Easton, Pennsylvania, received his B.S. in Education at Indiana State University in Indiana, Pa. After several stints of secondary school teaching, interspersed with three years with the Army Security Agency (partly in Okinawa), he earned an M.S. and Ph.D. in Systematic Entomology at Auburn University in Alabama. Postgraduate work at the Smithsonian Institution preceded his move to Sacramento, where he lives with his wife Kathryn and his sons Eric and Karl.

We look forward to another triennium of successful JOURNALS, this time under Tom's tender care.

"THANKS" TO AUSTIN PLATT, RETIRING JOURNAL EDITOR.....

The close of 1980 marked the end of Bob Platt's three year tenure as JOURNAL Editor. During this time he maintained the high standards set by his predecessors, despite increasing restrictions imposed by rising production costs. The Harry K. Clench Memorial Issue was the high point of his output, which also included the 1979 supplement on Australian moth larval foodplants, by N. McFarland. His institution of the role of Managing Editor, in the person of Francie Chew, was an effective means of delegating some of the load of this onerous volunteer editorship, and thus salvaging enough time to meet his University responsibilities.

Our thanks to Bob for all his labors on the Society's behalf. He is now entitled to sit back and "enjoy" future issues of the JOURNAL.



1981 ANNUAL MEETING NOTICE.....

The 1981 Annual Meeting of the Lepidopterists' Society, hosted by our Mexican counterpart, the Sociedad Mexicana de Lepidopterología, will be held at the Hotel Hacienda Cocoyoc in the State of Morelos, Mexico, 30 July to 2 August, 1981.

The general details of the meeting and how to pre-register and make reservations are contained in the green sheet already mailed to you in December with the annual ballot and dues notice. If you have lost this, your next

move is to call or write the official travel coordinator, Cardillo Travel Systems (below), to get all the details of group rates, package costs, deposit requirements, etc. Travel down will be on Wednesday, 29 July, a free day Thursday, formal meetings Friday 31 July through Sunday 2 August, with a return home Monday 3 August. The program will be bilingual, with simultaneous translation of all papers and other official activities.

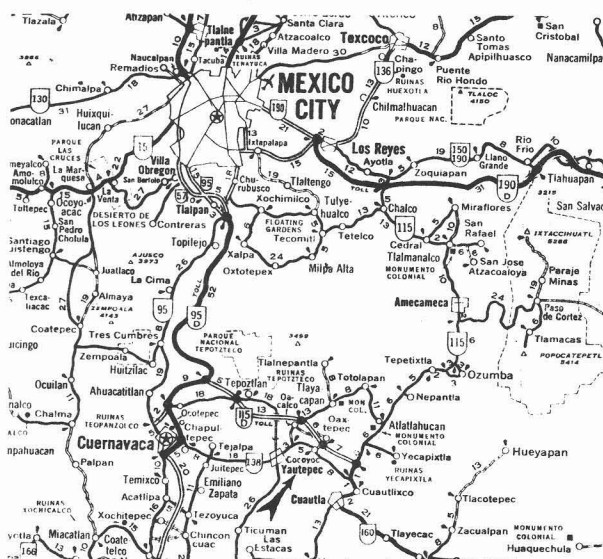
The possibility of a post-meeting trip is being explored; its nature is not yet determined. When the details are crystallized, you will be able to learn them directly from the travel coordinator.

Cardillo Travel Systems is located at 5710 Hannum Avenue, Culver City, CA 90290, USA. From California, call toll-free (800) 262-1218; from elsewhere in the USA call toll-free (800) 421-2912; from outside the USA call (213) 649-6160. Ask for Karen or Debbie, and tell them you are with the Lepidopterists' Society.

Anyone not preregistering through the travel coordinator should contact Julian Donahue (address on back cover) or the Local Arrangements Chairman in Mexico, Sr. Alberto Diaz Frances, Berlin 105, Mexico 21, D.F., MEXICO.

Further details, as they evolve, will be outlined in the March and May issues of the NEWS.

This map will give an idea of the location of the meeting.



NOW, ABOUT THAT MEMOIR NO. 2.....

A current communique from Lee Miller via Charlie Covell indicates that the typesetter working on the new Butterfly List (MEMOIR NO. 2) has sticky feet, and the work will not reach the printer until January. Hence Charlie optimistically expects to receive the paper-bound copies in February and the cloth-bound in March. So a few additional names may be obsolete by the time you receive your copy, and that relabelling job may have to wait until next winter; but have faith!

Charlie also states that the COMMEMORATIVE ISSUE is now available at a discount (for \$5.00), when ordered together with Memoir No. 2. If you have already ordered the Memoir and want the Commemorative Issue, just send him the extra \$5.

Besides this, he offers another SPECIAL on back volumes of the JOURNAL: volumes 1-5 (published as the "Lepidopterists' News"), and volumes 22 (1968) through 33 (1979) are ON SALE until 1 June 1981 at \$10 per volume, post-paid surface mail. Intervening volumes 6-21 remain at \$13 per volume (prorated for partial volumes), but parts of volumes 6, 7, 9, 12, 19 and 21 are no longer available.

# 1980 BIENNIAL MEMBERSHIP LIST.....

The new Membership List may already be in your hands when this reaches you. If not, fear not: it is coming.

The List is prepared in Los Angeles by the Secretary, not in Dedham by the NEWS staff. His goal, quite reasonably, is to achieve as near to complete accuracy as possible, rather than merely to be punctual.

If you should fear that the Postal Service has let you down (such a remote possibility!), please hold your breath for about a month before relaying your concerns to C. Covell.

## LICENSE NOW REQUIRED FOR INSECT DEALERS.....

Every individual or company engaged in the business of importing, exporting, or transporting insects (dead or alive), or any other forms of animal life, will be in violation of federal law if they have not filed an application for a license on or before 31 December 1980. This new law (50 CFR 14, dated 25 August 1980) applies to persons who "devote time, attention, labor, or effort to any activity for gain or profit that involves the importation or exportation of wildlife". The term "wildlife" is specifically defined to include all forms of animal life, including insects.

This licensing requirement does not apply to individuals who import specimens for scientific or exchange purposes, or who purchase specimens for personal use only, as long as the specimens are not to be resold. The law does not apply to specimens originating in and remaining within the United States (but it does apply to commerce with Canada).

Further information and application forms for the license (which costs \$50) may be obtained from the U.S. Fish & Wildlife Service, Division of Law Enforcement, Department of the Interior, Washington, DC 20240 (tel. 202-343-9242), or from the Special Agent-in-Charge for your state, at the address and telephone number listed below.

Alaska: P.O.Box 42597, Anchorage, AK 99509. (907-276-3800)  
Hawaii, Idaho, Oregon, Washington: Lloyd 500 Bldg., Suite 1490, 500 N.E. Multnomah St., Portland OR 97232. (503-231-6125)  
California & Nevada: 2800 Cottage Way, Room E-1924, Sacramento, CA 95825. (916-484-4748)  
Colorado, Kansas, Montana, Nebraska, N. & S. Dakota, Utah, Wyoming: P.O.Box 25486 Denver Federal Center, Denver, CO 80225. (303-234-4612)  
Arizona, New Mexico, Oklahoma, Texas: P.O.Box 329, Albuquerque, NM 87103. (505-766-2091)  
Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin: P.O.Box 45, Twin Cities, MN 55111 (612-725-3530)  
Arkansas, Louisiana, Mississippi: 1010 Gausz Blvd., Bldg. 936, Slidell, LA 70458. (504-225-6471)  
Alabama, Florida, Georgia, Puerto Rico: P.O.Box 4839, Atlanta, GA 30302. (404-221-5872)  
Kentucky, N. & S. Carolina, Tennessee: P.O.Box CH-66, Nashville, TN 37203. (615-251-5532)  
D.C., Delaware, Maryland, Pennsylvania, Virginia, West Virginia: 95 Aquahart Rd., Glen Burnie, MD 21061. (301-761-8033)  
New Jersey, New York: Century Bank Bldg., 2nd Floor, 700 Rockaway Tpke., Lawrence, NY 11559. (212-995-8613)  
New England States: P.O.Box "E", Newton Corner, MA 02158. (617-965-2298)

## AND IN BRAZIL.....

In conformity with the new Brazilian law No. 5.197, it is no longer allowable to collect entomological specimens for commercial purposes; therefore shipments to foreign countries require a special license from the supreme IBDF authority. Fritz Plaumann, Socio ativo of the Sociedade entomologica do Brasil, 89775 Nova Teutonia, via Seara, Santa Catarina, Brasilien.

# 1980 SEASON SUMMARY CHANGES.....

There are two changes from the instructions detailed on pages 63-64 of the NEWS for Sept/Oct 1980, q.v.:

ZONES 2 and 3: Idaho will be shifted from Zone 2 (Pacific Northwest) to Zone 3 (Rocky Mountains), with which it is more logically associated, both geographically and faunistically.

ZONE 5 (Southeast): the new address for Zone coordinator Dave Baggett is 14406 N. 22nd St. #169, Lutz, FL 33549.

And as stated previously, the deadline for contributors' material to reach the zone coordinators is 31 January, 1981.

## ERRATA, ZONE 3 OF 1979 SEASON SUMMARY.....

The following are errors which crept in during compilation or in the final typing of the 1979 material, clarified by Ray Stanford (starts on page 15):

Introduction, line 17: read 300 COUNTY records rather than 3000, although if all moth data were available the published figure might be closer to the "truth"; he was counting butterflies only.

Montana, line 4: read SANDERS for SAUNDERS County; line 17: read P. tharos complex rather than P. mylitta/pallida complex (det. C.D.Ferris).

Utah: read A. pima for A. prima.

New Mexico, page 18, line 13: read Signal Peak for Signal Pf; line 31 read E. clarus huachuca for buachuca.

## ERRATA, ZONE 7 OF 1979 SEASON SUMMARY.....

Tom Williams submits the following corrections to his entries in the Pennsylvania report, page 24:

Gentalic dissection indicates that his Chaetagliaea tremula is actually Sericagliaea signata.

Date of capture of freshly emerged E. areolata was actually 19 June, not 6 June.

## NEW RECORD OF PAPILIONIDAE FOR HONDURAS.....

(C. Covell received the following note from Jose Gerardo Barahona C., Jardines de Toncontin, Dos Cuadras Arriba de Camosa, Izquierda, Frente a Kaffie, Tegucigalpa D. C., Honduras, C. A. An accompanying specimen will be deposited in the USNM.)

Papilio paeon thrasion Feld. (1865): specimen was taken at 11:45 a.m. 3/V/80 over wet sand at Cerro Brujo, Tegucigalpa D. C., Honduras, elevation 997 m. Since September 1976 he has taken 4 ♂ and 3 ♀ from this locality. Flight times have been between 10:30 a.m. and 1:30 p.m.

At the same locality he also took, in April of 1979 & 1980, 1 ♂ and 1 ♀ of Papilio ornythion, noting that the ♂ had more or less angular wings, while the wings of the ♀ were squarer and paler.

## LEPIDOPTERA RESEARCH FOUNDATION TO ACCELERATE OUTPUT.....

The following welcome notice was received from R.H. T. Mattoni: "The Lepidoptera Research Foundation has finally organized and made arrangements such that the JOURNAL OF RESEARCH ON THE LEPIDOPTERA is now being published and brought up to date at a rapid rate. Vols. 17(3) and 17(4) will be mailed in early December, and the entire Volume 18 will be mailed no later than March 1981. There are sufficient papers to take us at least half-way through Vol. 19. We do solicit further manuscripts to enable us to conclude Vol. 20 prior to the end of 1981, at which time we will be back on schedule. We are maintaining the publishing of at least six color plates per volume, and the per volume membership price of \$12 per year. We still



have a limited number of complete sets of Vols.1-15 which are available to members only of the Foundation, the Lepidopterists' Society, and the SEL for \$105 postpaid. In addition to the Journal, we are now distributing a brief "notices and news" section with each mailing. Your support is invited. Please address all business correspondence to Barbara Hovanitz, c/o Santa Barbara Museum of Natural History, 2559 Puesta del Sol Rd., Santa Barbara, CA 93105, and any editorial or announcement material to the Editor, R.H.T. Mattoni, 2130 So. Granville Ave., Los Angeles, CA 90025."

#### UTAH LEPIDOPTERISTS' SOCIETY TO PUBLISH BULLETIN.....

The Utah Lepidopterists' Society announce that they will publish the first issue of UTAHENSIS, the quarterly bulletin of the Society, in January of 1981. It will report the activities and projects of its members and will include articles of historical and geographical significance as well as the usual field and observational information of value to those interested in the lepidoptera of Utah.

Annual membership dues are \$7.00 per calendar year, and will include subscription to the bulletin. Dues and inquiries may be directed to the Secretary, Mary F. Fors, 5616 S. Allendale Dr., Murray, Utah 84107.

#### EXOTIC ENTOMOLOGY GROUP.....

The following letter comes from Brian Morris, 34, Borden Lane, Sittingbourne, Kent, ME10 1DB, ENGLAND, and may be of interest to those who enjoy rearing lepidoptera:

"I am the Editor of the Newsletter of the Exotic Entomology Group and am writing to ask that you include a mention of our activities in the NEWS. We are a study group of the Amateur Entomologists' Society, which arose out of the defunct Silkmoth Study Group, which was responsible many years ago, for producing Crotch's Silkmoth Rearers' Handbook. We have since broadened our horizons to include other groups of insects an addition to Saturniidae, and we have members interested in Rhopalocera, Phasmidae, Mantidae, Coleoptera, and Arachnidae. The "Bulletin des Sciences Naturelles" said that ours was the best magazine in the world for people who were interested in rearing insects. The Newsletter, published quarterly, goes to about 300 members, mostly in Britain and Europe, and includes an annual membership list. The livestock scene in Britain is very active and includes recent rearing of Caligo and tropical Papilio species, Acherontia atropos, Daphnis nerii, Agrius convolvuli, Actias maenas, Actias artemis, Loepa katinka, and Attacus edwardsi. The Newsletter has a Wants and Exchanges page.

"The cost of subscription varies, as we try to charge only what it costs for production and postage. Members of the AES in the UK pay £1.50, other UK members pay £2.00, European members £3.00, and members in other countries £3.50.

"Payment in sterling should be sent to our Treasurer: C.J. Eschbacher, 38, Frith Road, Bognor Regis, West Sussex PO21 5LL, ENGLAND, from whom further details can be obtained. I will often enroll a member in exchange for living material of Saturniidae, putting the cost of the ova or pupae sent into the EEG accounts as the subscription. Those wishing to be enrolled in this way should write me with their offers. Brian Morris."

#### I. C. Z. N. NOTICE.....

The International Commission on Zoological Nomenclature gives notice of the possible use of its plenary powers in the following cases, published in the Bull. Zool. Nom. 37: part 3, 25 Sept. 1980, and would welcome comments and advice on them from interested zoologists. Cor-

respondence should be addressed to the Secretary at the address below, if possible before 7 April 1981:

2138 Sphinx tipuliformis Clerck, 1759, proposed conservation.

2139 Sesia andraeniformis Laspeyres, 1801, proposed conservation.

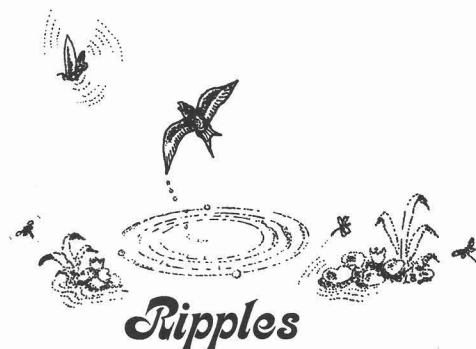
2160 Lamprocabera Inoue, 1958, proposed designation of type species.

R. V. Melville, Secretary, I.C.Z.N., c/o British Museum (Natural History), Cromwell Rd., London, SW7 5BD, ENGLAND.

Throughout the past year many readers have favored us with kind comments about the NEWS (for which we thank you), and also with the necessary number of brickbats (for which we also thank you — they have been very constructive).

The NEWS is produced for its readers and depends upon your input. It can be only as good as your contributions, comments, and criticisms make it.

Let's hear from you. Dave Winter, Editor.



(Jo Brewer, Editor: 257 Common Street, Dedham, MA 02026)

Dear Jo:

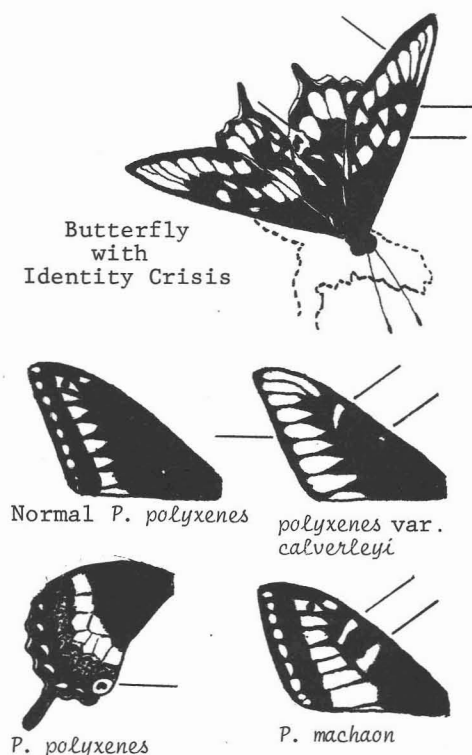
While looking through past copies of the NEWS, I came across the "Ripples" entry on the infamous "Butterfly with an Identity Crisis" in the July/August issue. It appears that the conclusion about the butterfly was that it was a strange aberration of P. troilus. I will reveal what I believe to be the actual identity of the butterfly by pointing out several characteristics present in the photograph.

I agree strongly with your suggestion that the butterfly looks like a member of the machaon complex, and propose that the specimen is a P. polyxenes. My conclusions are based on certain markings which occur in both P. polyxenes and in the "Butterfly with an Identity Crisis" (hereafter referred to as "BIC").

To start with, on the forewings (dorsal) of "BIC" there are many light areas, especially sub-marginally. P. polyxenes form calverleyi has these same markings in the same configuration. Inside the discal cell on the forewings of "BIC" there are two spots resembling those of P. machaon, and in some respects those of calverleyi. These spots would rarely, if ever, exist on P. troilus in this location. Again, the postmedian spots are in the form characteristic of the machaon group. Lastly, I mention the feature which originally led me to believe that "BIC" was polyxenes. On the hind wing there is an anal spot, closely resembling that which is present on the HW of polyxenes. Both contain a small black dot centrally. P. troilus has no such markings, and would doubtfully produce them even if aberrant. Also, on the HW of "BIC", close to the discal cell, there may be seen, under close examination, part of a spot — perhaps one of the series of discal spots extending across the HW in polyxenes. Troilus would be most unlikely to possess these markings. Since "BIC" has all these patterns in common with P. polyxenes, I think those who suggested troilus should now consider



Butterfly  
with  
Identity Crisis



polyxenes as a very possible alternative. (John V. Calhoun, 382 Tradewind Ct., Westerville, OH 43081)

Dear Ripples:

I would like to comment about the PA report for Celastrina ladon (pseudargiolus) "rarely seen nectaring". I have frequently seen both sexes at flowers of many families throughout the season. For example, last April in Philadelphia I saw some at tall prairie willow. Also last April in the New Jersey Pine Barrens I saw many at blueberry and pyxie flowers. (Tom Williams, 2366 Rosemore Ave., Glenside, PA 19038)

Editor's comment: We have observed C. ladon nectaring on bridal wreath (Mass.), double mock orange (Ohio), and cranesbill (Mass.). Also "nectaring" on dry stones, damp sand, and dog feces. Also not nectaring but perching on bunchberry blossoms, and on blueberry not nectaring but ovipositing. Wonder if you saw the proboscis actually in the blossom?

Ripples:

My apologies for not responding earlier with an update on the aberrant Automeris io reported in the NEWS p. 8, Jan/Feb 1979, and also commented on by D. G. Sevastopulo, F.R.E.S., Mombasa, in Ripples of May/June 1980.

I lost all pupae due to the fact that most suffered a cold snap while still in the larval state in mid-October.

It is the first time that I have ever heard of or seen a bi-color in A. io, although it is quite common in the imperial moth. Again, my apologies. I wish to thank D. G. Sevastopulo for his comments. (Dana M. Gring, 6126 Harvest Lane, Toledo, OH 43623)

To the Editor, Dear Sir:

In some recent issues of the NEWS there have been letters on the subject of genes producing effects in both larval and adult lepidoptera, the general drift being that such genes are almost unknown. You may be interested, therefore, in the enclosed paper (Entomologist 99: 281-3, 1966), which described a non-adaptive character common to larva, pupa, and adult, apparently produced by a single recessive gene. (S. R. Bowden, 53 Crouch Hall

Lane, Redbourn, Herts. AL3 7EU, ENGLAND)

Editor's note: The title of Dr. Bowden's paper is "A Variant, 'Brown Face', in Pieris bryoniae".

(A note from Bill Bergman to John Johnstone):

Dear Mr. Johnstone:

Regarding your note in the NEWS of the Lep. Soc. in Sept/Oct 1980, I have enclosed a copy of an article describing a bilateral gynandromorph of Alsophila pometaria and mentioning one of Celastrina argiolus.

On 6 September 1977 a gynandromorph Papilio polyxenes emerged among many normal individuals which I raised from eggs originating in Cook County in northeastern Illinois. My specimen is female on the right side and seems to have a female body. It appears to be full of eggs, although I have not dissected it. The left side is mostly male.

A gynandromorph Morpho aega is pictured in "Butterflies and Moths", revised edition, Norman Riley, Ed., Viking Press, New York, 1965. I hope this has been of help to you. (Bill Bergman, 6237 N. Hermitage Ave., Chicago, IL 60660)

Editor's note: The article mentioned is: William Bergman, "Unusual Aberrant Lepidoptera from Minnesota", Bull. Assoc. Minn. Ent. 2: no. 1, ca. 1968.

Dear Ripple:

I should like to provide a short comment on Dave Baggett's article in the May/June issue of the NEWS. His call for lepidopterists to expend their interests beyond "postage stamp" collecting is an excellent and much-needed statement, and one which can be extended to those interested in all other insect groups as well. As a young collector, I was myself preoccupied with merely obtaining a few representatives of each species, although I did do some rearing and learned something of ecological requirements. It is indeed time for lepidopterists to realize that environmental degradation threatens to destroy many species, and their information on life histories, behavior, geographic variation, etc., will be the major data base used to prevent further loss or extinction of the creatures we have so long taken for granted. (Wayne E. Schennum, 3234 N. Arlington Hts. Rd., Arlington Hts., IL 60004.)

Dear Ripple:

Re cocoon construction (May/June, p.41), I must admit I had always assumed on the basis of no data whatsoever that the incorporation of larval hairs in the outer cocoon served a defensive function — that they would continue, loosely interwoven, as a predator deterrent just as they had while attached to the larva. The anti-irritant idea is quite new to me, equally documented, and certainly thoroughly plausible. The two are obviously not mutually exclusive. At any rate the habit is widespread and has probably evolved more than once (Acronycta in the Noctuidae; numerous Arctiidae; Lymantriidae; Lasiocampidae). We had a culture of a huge, as yet undetermined lasiocampid from southern Patagonia that made a big, baggy cocoon incorporating all the hair on the outside. In that climate, maybe it's insulation! The spiny and hairy larvae of Pseudohazis (Saturniidae), which pupate in litter in a very minimal cocoon (or none), simply unzip and do not seem to be irritated, though people who handle them are!

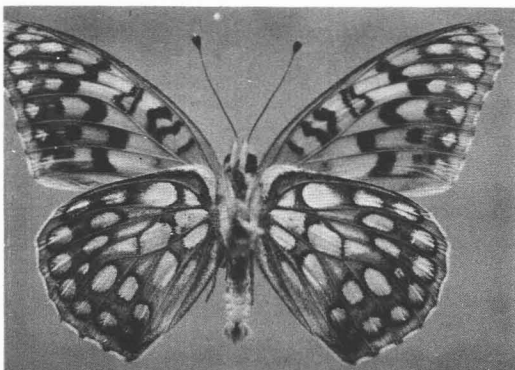
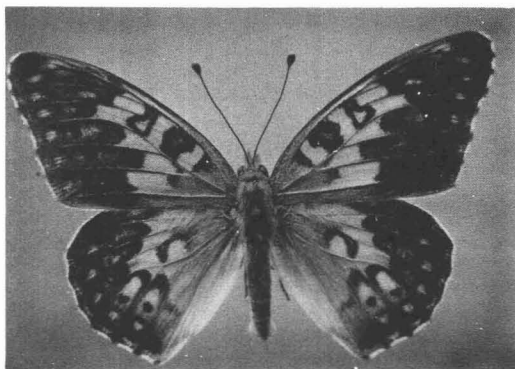
A propos the melanic glaucus on p. 35, there are numerous more or less similar specimens recorded. I have seen half a dozen in various collections and have collected one myself. All are males. I haven't seen one in rutulus but they do occur in eurymedon, sometimes running to all black like the one figured by Comstock in Butterflies of California. There is no reason to suspect that this sort of aberration is genetically related to the female dimorphism. (Art Shapiro, Dept. of Zoology, Univ. of California, Davis, CA 95616.)

Dear Jo:

On June 1 I saw my first Amphion nesus of the season. They are not uncommon in this area and can usually be collected at flowers or sap secretions. Just after dark a thundershower took place which cooled the mid-seventy temperatures down considerably. For the first time ever I collected a diurnal sphingid at blacklight. The moth was clinging to the light at approximately 10:00 p.m. The storm had apparently kept it from returning to its after-dark resting place. To my knowledge no diurnal sphingid species have been reported at blacklight in the NEWS or the JOURNAL. I would like to hear from other collectors on this unusual happening. (Wm. F. Boscoe, RD2, Keiper Rd., Quakertown, PA 18951.)

Dear Jo:

Enclosed are slides of a melanic butterfly I believe to be a male Speyeria edwardsii. It was caught in the Black Hills of South Dakota 20 June 1980. Would you publish these slides in Ripples and ask readers if anyone



can determine the correct species for me? (Gary Marrone, RR2, Box 155, Webster, SD 57274)

Editor's note: Done. Paul Grey, this is where we need you most!



#### DEALER LISTINGS.....

Following the example set by C. V. Covell, Jr., in 1972, the ensuing is a list updated to November 1980, of dealers carrying items of interest to lepidopterists. Many of those listed in 1972 appear to be out of business; new names have been added as available. Any glaring omissions should be brought to the Editor's attention for a possible addendum in the May/June issue.

The NEWS can take no responsibility as to the reliability of any dealer, nor can it make specific recommendations. If a dealer found unreliable by members in the past may reappear here under another name, it is without our knowledge or control.

The Society does not sell advertising space. Any dealer wishing to express appreciation for notices in the NEWS might do so by taking out sustaining membership (see back cover) or by sending an item to the Local Arrangements Chairman of each Annual Meeting for door-prize drawing.

#### 1. EQUIPMENT & SUPPLIES

American Biological Supply Co. (AMBI): 1330 Dillon Heights Ave., Baltimore, MD 21228. Wide variety.  
Armin, Claire: 191 W. Palm Ave., Reedley, CA 93654. Insect pins.  
Arthropod Specialties Co.: P.O.Box 1793, Sacramento, CA 95809. Microvials for genitalia.  
Australian Entomological Supplies: P.O.Box 314, Miranda, NSW, AUSTRALIA. Various.  
Biological Research Development Co.: 1750 Wooten Rd., Beaumont, TX 77707. Limited variety.  
Bioquip: P.O.Box 61, Santa Monica, CA 90406. Wide variety.  
The Butterfly Company: 51-17 Rockaway Beach Blvd., Far Rockaway, NY 11691. Limited list.  
Carolina Biological Supply Co.: Burlington, N.C. 27215. General biological equipment; chemicals.  
Goldsmith Brothers: 257 Jericho Tpke., Mineola, NY 11501. Glassine envelopes, large lots only.  
P.D.J.Hugo: 38 Cotswold Crescent, Chipping Norton, Oxon. OX7 5DT, ENGLAND. Data labels to order.  
It's Nature-All: #217 NyPenn Trade Center, 435 Main St., Johnson City, NY 13790. Practical variety.  
Lane Science Equipment Co.: 105 Chambers St., New York, NY 10007. Drawers, steel cabinets.  
Mason Box Co.: 521 Mt. Hope St., Attleboro Falls, MA 02763. Boxes suitable for storing papered specimens or transparencies.  
P & S Sales: P.O.Box 45095, Tulsa, OK 74145 (attn. Linda Turner). OD nylon netting for sleeves, cages, etc. (supply may run out!).  
Powers, Jack R.: 1021 8th Ave. South, Moorhead, MN 56506. Data labels to order; insect pins.  
Steel Fixture MFG. Co.: P.O.Box 917, Topeka, KS 66601. Drawers; steel cabinets.  
Welling-M., Eduardo C.: Apartado Postal 701, Merida, Yucatan, MEXICO. Glassine envelopes.  
Ward's: P.O.Box 1712, Rochester, NY 14603 or P.O.Box 1749 Monterey, CA 93940; Canadian: Arbor Scientific Co. Ltd, P.O.Box 113, Port Credit, Ontario. Wide variety.  
Watkins & Doncaster: Four Throws, Hawkhurst, Kent, ENGLAND. Wide variety; Robinson traps.

#### 2. LITERATURE (A=antiquarian; C=current)

A. Asher & Co.: Kaisergracht 526, 1017 EK, Amsterdam, THE NETHERLANDS. (A)  
Australian Entomological Press: 14 Chisolm St., Greenwich NSW 2065, AUSTRALIA. (C)  
Australian Entomological Supplies: list 1. (C)  
Baxter, Ronald N.: 16 Bective Rd., Forest Gate, London E7 ODP, ENGLAND. (C)  
The Book Home: Scientific Book Dept., P.O.Box 825, Colorado Springs, CO 80901. Will search for out-of-print books for a fee.  
Books for Naturalists: Ford Mill, Hillfarrance, Taunton, Somerset, ENGLAND. (C, A)  
Brill, E.J.: c/o Expeditors of the Printed Word, Ltd., P.O.Box 1305, L. I. City, NY 11101. (C)  
Carolina Biological Supply Co.: list 1. (C)  
Classey, E.W. Co.: Park Rd., Farringdon, Oxon. SN7 7DR, ENGLAND. (C)  
Dover Publications Inc.: 180 Varick St., New York, NY 10014. (C & reprints)  
Entomological Reprint Specialists: P.O.Box 77224, Datweiler Station, Los Angeles, CA 90007. (C & reprints)  
Johnson, John: R.F.D. 2, No. Bennington, VT 05257 (C, A)  
Librairie de la Faculte de Sciences, 7, Rue des Ursulines, 75005 Paris, FRANCE. (C, A)  
Masson Publishing USA Inc.: 14 E. 60th St., New York, NY, or Masson S.A., 120, Blvd St. Germain, 75280 Paris

Cedex 06, FRANCE. (C)  
 Petersen Book Co.: P.O.Box 966, Davenport, IA 52805. (C)  
 Ward's: list 1. (C)  
 Watkins & Doncaster: list 1. (C)  
 Wheldon & Wesley, Ltd., Lytton Lodge, Codicote, Hitchins,  
 Herts., SG4 8TE, ENGLAND. (C, A).

### 3. LIVESTOCK

(Be sure to comply with government regulations regarding importation of living material.)

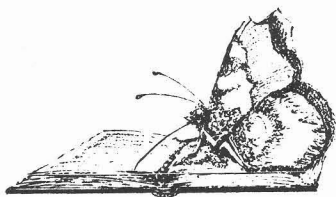
Asakawa Trading Co.: P.O.Box 14, Komatsushima, Tokushima  
 773, JAPAN. Japanese *Papilio* pupae.  
 Baxter, Ronald N.: list 2.  
 Staples, John: Breeder of Lepidoptera, 389 Rock Beach Rd.,  
 Rochester, NY 14617. Native stock.  
 Worldwide Butterflies, Compton House, Sherborne, Dorset  
 DT9 4QN, ENGLAND. Local & exotic.

### 4. SPECIMENS (R=regional; W=worldwide)

(Note licensing requirements, cited elsewhere in this issue.)

Asakawa Trading Co.: list 3. (R)  
 Baxter, Ronald N.: list 2.  
 Chang Pi-Tzu, Mrs.: P.O.Box 873, Taipei, Taiwan 100, RE-  
 PUBLIC OF CHINA. (R)  
 Complete Scientific: P.O.Box 307, Round Lake, IL 60073  
 (W)  
 It's Nature-All: list 1. (W)  
 Northwest Biological Enterprises, 23351 S.W. Bosky Dell  
 Lane, West Linn, OR 97068. (R)  
 Ong, S.K.: Box 2, Simpeitou, Taiwan, REPUBLIC OF CHINA.  
 (W)  
 Wong, Mr. H. F.: M/S Deco Enterprises, 100A, 1st Floor,  
 Jalan Simpang, P.O.Box 155, Taiping, Perak, MALAYSIA.  
 (R)  
 Worldwide Butterflies: list 3. (W)  
 Wuttken, Robert: 2710 1/2 Highland Ave., Santa Monica, CA  
 90405. (R).

## Books



Leaves from a Moth-Hunter's Notebook: P. B. M. Allan.  
 E. W. Classey, 1980; 281 p. £ 9.00 (US \$22.05)

I first became acquainted with P. B. M. Allan's writing as a neophyte lepidopterist in England in 1937, when his first lepidopteral book, *A Moth-Hunter's Gossip*, was published. His observations of the habits of various moths and his description of old and improved methods of collecting and observation fascinated me then, as now. So I looked forward to the advent of this latest book, published some six years posthumously, with great interest.

The comparison was at first mildly disappointing: the first two chapters, about a third of the book, treat in an exhaustive and scholarly fashion the histories of *Heodes virgaureae* (the "Middle Copper") and *Cyaniris semiargus* (the "Mazarine Blue") in Britain, detailing the disappearance of each as a resident species in the last century. (A sad note, for a New Englander, is his grief over the disappearance of *Lymantria dispar* from England at about the same time. Would that we here could so grieve!). The undertaking is of unquestioned merit, but makes somewhat heavy reading.

Thereafter the pace quickens. A short chapter on *Papilio podalirius*, a species Allan feels could never have been resident in England, is a virtual whodunit with a surprise ending.

The mid-potion of the book is the Allan I was looking for, with field observations on the habits of some Notodonts, some valuable notes on night-time larva collecting, and some well-supported speculations on moth migrations.

A final chapter, on some Continental species whose recent range extensions suggest an impending invasion of Britain, is preceded by an "Interlude", the high point of the book. Here the author playfully exposes some aspects of the psychology and foibles of lepidopterists as a breed, in a manner to evoke a certain amount of soul-searching on the reader's part. Some boyhood recollections from three-quarters of a century ago top this off.

Ronald S. Wilkinson, of the American Museum of Natural History, who edited the book, introduces it with a warm and admiring biography of the author.

A quote with regard to the avarice of a collector who cleaned out a marsh should not be overlooked. "One sometimes hears of the 'rapacity' of collectors; it is a question whether for 'rapacity' we should not write 'the weakness of intellect which invariably accompanies greed'".

There no doubt exist American lepidopterists with the ability to share their experiences in the manner of the late Mr. Allan. We should be well served if a few of them would do it.

D.W.

Pupa Digging, by the Rev. Joseph Greene, M.A., 1857. Facsimile reprint with a new introduction by E. W. Classey. 1979, E. W. Classey, Ltd., *Classica Entomologica* No. 5; £2.00.

This little volume is both entertaining and instructive, the first quality stemming not only from the literary constructions customary in the author's day, but also from the quiet humor with which he relates the methods and cautions connected with the fruitful, but often frustrating, practice of searching for moth pupae. A considerable portion of the paper is a list of what species (113!) were taken where: the specifics of this list are of minor interest, especially to the nearctic collector, and the names are long out of date (a fact anticipated by the author, who lamented that "there seems to be a biennial change in our nomenclature"); but it gives indication of the seasonality of pupa digging and the importance of rational habitat identification. The balance of the work deals with specific advice as to the manner, location, and timing of digging, and even advises the loose replacement of lifted turfs, to serve as an improved haven for future pupating larvae.

To my knowledge, pupa digging seems to be little practiced in North America except through chance encounters while spading the garden. This little booklet could open some very productive doors, in terms of both augmenting one's collection and further elucidating life history details.

D.W.

Les Attacidae Americains...The Attacidae of America (=Saturniidae), vol. 2 (subfamily Arsenurinae) by Claude Lemaire. Includes the genera *Rescnytis*, *Dysdaemonia*, *Arsenura*, *Paradaemonia*, *Copiopteryx*, *Loxolomia*, *Grammopelta*, and the rare *Almeidaia*. Text in French with substantial summaries in English for each genus, species, and subspecies, 199pp., 171 text figs. (genitalia, wing venation, & distributional maps), 72 plates in b/w, 4 in color, depicting adults in natural size. A complete revision of the subfamily. Limited edition of only 500 copies. Price US \$70 plus registered airmail postage \$10.

The first volume (Attacinae=Saturniinae), 238 pp., 178 text figs., 48 b/w plates is still available at \$60 plus postage (reviewed in J. Lep. Soc. 34: 75, 1980). Brochures for both volumes are available on request. C. Lemaire, 42 Boulevard Victor Hugo, F-92200, Neuilly-sur-Seine, FRANCE.

The Ohio Lepidopterists has recently initiated its own publication series in the form of The Ohio Lepidopterists Research Report No. 1 entitled: Annotated Check-



list and Distribution Maps of the Royal Moths and Giant Silkworm Moths (Lepidoptera: Saturniidae) in Ohio. This is published by the College of Biological Sciences, The Ohio State University, in cooperation with The Ohio Lepidopterists. It is also Biological Notes No. 14 of the Ohio Biological Survey. Plans are underway for several other research reports.

The publications are free to members of The Ohio Lepidopterists. Non-members may purchase copies of Report No. 1 for \$3.12 (includes Ohio sales tax & postage) from Eric Metzler, 1241 Kildale Sq. N., Columbus, OH 43229.



## Research Notices

❖ WANTED: collection records with data and current storage locations for any insects collected in the close vicinity of BRYCE CANYON NATIONAL PARK, UTAH. All lepidoptera are of particular value. Needed for a paper on insect ecology of that area. Stephen J. Mueller, 13010 Northland Dr., Cedar Springs, MI 49319 (Sept-April) or Bryce Canyon National Park, Bryce Canyon, UT 84717 (May-August).

❖ ARABIAN BUTTERFLIES: I am preparing a monograph on the butterflies of Arabia for publication in 1982 and would greatly appreciate hearing from anyone with Arabian material or any other knowledge of the butterflies of the region. Even small collections and seemingly trivial information might be of the highest interest. Torben B. Larsen, 23 Jackson's Lane, London N 6, ENGLAND.

❖ WANTED, by purchase, gift, or exchange, early stages (eggs or pupae) with foodplant material and data, of all butterflies and large moths worldwide, for research on culture methods. Minimum 2 dozen lots; write giving quotes, if not a gift. We have substantial western US & Nepal specimens, and some strains, for exchange. R.H.T. Mattoni, Agresearch Inc., 2130 So. Granville Ave., Los Angeles, CA 90025, USA, (213) 479-8494, or A.C.Morton, 2 Barnes Street Cottages, Tonbridge, Kent, UK (073274) 256.

❖ WANTED: Several first-day pupae of any of the South or Central American species of the Butterfly Moths, day-flying species of the family Castniidae. If preserved at the moment of pupation it is possible to study the tracheation which precedes the venation of the adults. Correspondence welcomed. Norman B. Tindale, 2314 Harvard St., Palo Alto, CA 94306.

WANTED: Full reference for a supposed Homoneurous Lepidopteron mentioned only as *Nematocentropus omeiensis* Chi-Ling, 1965. A correspondent in Peking, China also needs the reference. Norman B. Tindale, address above.

WANTED: North American and East Asian Swift or Ghost Moths of the family Hepialidae for a detailed study in progress. Specimens even in poor condition, if well localized, would be welcome for venational and genitalic studies. Material will be used in preparation of a study for Moths of North America, and will be deposited in the USNM at conclusion. Correspondence welcomed. Norman B. Tindale, address above.

❖ A FAUNAL CHECKLIST for the moths of Georgia, USA, is in preparation. Accurate records with complete data are desperately needed for species in all families. If possible, undetermined Georgia material will be determined

in exchange for records. Any individual, institution, or museum having such material and/or data or literature references, wishing to contribute, should contact me as soon as possible. All correspondence is welcomed. Scott N. Brown, University of Georgia, Dept. Entomology, Athens, GA 30602.

❖ FREE PHEROMONE: Help wanted with collection of Sesiidae (Aegeriidae), rare wasp-like day-flying micros. Free pheromone attractant will be given to collectors who will give me a good percentage of the specimens collected by its use. Sesiids can detect the pheromone ½ mile away. Must be familiar with killing and packaging micros. Please state whether you use traps or just net-collect. Worldwide contacts invited. John Holoyda, 2819 N. Marmora, Chicago, IL 60634, USA.

*O pheromones, O pheromones,  
You aliphatic oils:  
While you're just great for Sesiids,  
I like you better on goils.*

Louis C. Wislocki, MD

❖ WANTED: collection records with all available data and current storage location for any of the following rare species which have been collected in TEXAS. Both private and museum records, any place in the world, are URGENTLY NEEDED for inclusion in "The Butterflies and Skippers of Texas". It is doubtful that more than one example of any of these species will be found in any collection.

### NYMPHALIDAE

*Dryadula phaetusa*  
*Phyciodes ptolyca*  
*Chlosyne erodyle*  
*Hypanartia lethe*  
*Diaethria asteria*  
or *anna*  
*Smyrna karwinskii*  
*Historis acheronta*  
*Historis odius*

### LYCAENIDAE

*Eumaeus minyas*

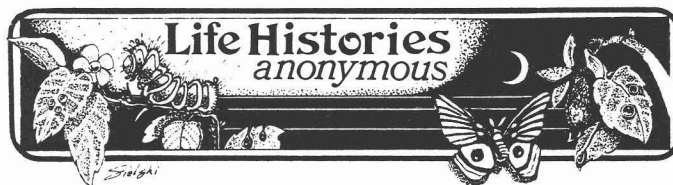
### HESPERIIDAE

*Pyrrhopyge araxes arizonae*  
*Phocides urania* (or *texana*)  
*Proteides mercurius*  
*Spathilepia colonius*  
*Gorgythion beggina vox*  
*Callimormus saturnus*  
*Yvretta subreticulata*  
*Hesperia dacota*  
*Hesperia sassacus*  
*Polites coras*  
*Amblyscirtes fimbriata*  
*Thespis macareus*

Roy O. Kendall, 5598 Mt. McKinley Dr. NE, San Antonio, TX 78251, USA.

❖ WANTED: information on movements of *Urania* spp. moths throughout the Neotropics. Localities, dates, numbers, and direction of flight are desired. Neal G. Smith, Smithsonian Tropical Research Institute, Apartado 2072, Balboa, Republic of Panama, or S.T.R.I., APO Miami 34002.

❖ WANTED: any locality and/or ecological data on the Wandering Skipper, *Panoquina errans* (Skinner). I am especially interested in adult nectar sources and flight period information. Chris Nagano, Museum Associate, Entomology Section, Natural History Museum of Los Angeles County, 900 Exposition Blvd., Los Angeles, CA 90007, USA.



Major Michael J. Smith offers the following comments on early stages of some Mexican Border butterflies:

In Spetember 1978, I took a pupa from the upper surface of a leaf of *Celtis* sp. at the mouth of Madera Cyn., Pima Co., AZ. I found the pupa through the loud rustling noise it made as I beat the branches for *Asterocampa* adults. About three weeks later a beautiful *A. subpal-*

lida ♀ emerged. In that general area at the time I took the pupa A. subpallida, leila, and montis were all flying. The undefined Celtis sp. is common along the waterways around Madera Cyn. and all three species of Asterocampa are in close association with it. A. subpallida does not seem to be found below the mouth of the canyon.

In March 1970 I found Callophrys loki common around Juniperus in the Gavilan Hills s. of Riverside, Riverside Co., CA. I took 3 ♀♀ which readily oviposited on the Juniperus. The larvae rapidly fed through, burrowing into the more tender tip leaves. They pupated in early May and 20-30 adults emerged later in the month, indicative of a second brood. None of my pupae appeared to try to overwinter.

J. W. Tilden submitted the following list of larval food-plant observations for Border butterflies:

Anaea aidea: females closely associated with Croton; adults visit sap flows.

Asterocampa montis: associated with Palo Blanco (Celtis reticulata).

Asterocampa subpallida: same.

Asterocampa leila: associated with Palo Blanco, and also with Granjeno (C. pallida).

Asterocampa louisa: associated with Celtis spp. (There are several species of Celtis in Texas.)

Mestra amymone: Noseburn (Tragia sp.; Euphorbiaceae).

Junonia nigrosuffusa: Stemodia tomentosa.

Anartia jatrophae luteipicta: said to feed on Jatropha (Euphorbiaceae) and Bacopa (Schrophulariaceae). In s. Texas closely associated with Phyla (Lippia; Verbenaceae).

Siproeta steneles: I have seen ♀♀ fluttering around Ruellia spp. but have not actually seen oviposition.

Phyciodes frisia tulcis: closely associated with Dicliptera (Acanthaceae).

Texola elada: Siphonoglossa pilosella (Acanthaceae); observation of Kendall, 1959.

Thessalia theona bollii: Ceniza (Leucophyllum frutescens, Scrophulariaceae); observation of Kendall, 1959.

Dymasia dymas: Siphonoglossa pilosella; Kendall 1964.

Dymasia chara: Belloperone californica (Acanthaceae).

Chlorostyemon simaethis sarita: immature seed of Heart-seed (Cardiospermum corindum) and Balloonvine (C. halicacabum; Sapindaceae).

Callophrys miserabilis: Retama (Parkinsonia aculeata); reared by Kendall.

Callophrys goodsoni: inflorescence of Bloodberry (Rivina humilis; Phytolaccaceae); oviposition notes on same trip by both Kendall and Tilden; reared by Kendall.

Calycopis isobeon: foliage of Croton monanthogynus; reared by Kendall.

Eurystrymon polingi: Mountain White Oak (Quercus grisea); Kendall 1962.

Strymon alea: Myrtlecroton (Bernardia myricaefolia; Euphorbiaceae); Kendall observation.

Heliopetes laviana: Abutilon (Malvastrum sida; Malvaceae); Kendall 1965; Tilden observation 1968, unpublished.

Systasia zampa: thought to be similar to food-plants of

Systasia pulverulenta: Abutilon, Wissadula, & Sphaeralcea.

Chiomara asycchis georgina: said to be Malpighia glabra.

Timochares ruptofasciatus: said to be Malpighia glabra.



#### PORTABLE POWER SOURCE FOR REMOTE BLACK-LIGHTING.....

A reliable and portable power source for use in the field, either directly or as a charger for wet-cell batteries, is available in the form of the Honda EM-500 portable generator.

This 40-pound unit has a maximum AC (115v) of 500 watts (4.3 amp.), with a 400 watt output rating (3.5 amp.), ample for two mercury vapor or multiple fluorescent units. DC output, for charging storage batteries directly, is 12v, 100w (8.3 amp.).

The generator is powered by a four-cycle, single cylinder (60 cc.), side valve, aircooled engine, and runs four hours on its capacity of 0.5 gal. of gasoline. The engine is dependable and quiet, with a cast-iron sleeve for durability and an automatic voltage regulator for steady output. A capacitor discharge ignition allows for fast, easy, and reliable starts. An adjustable throttle control and a frequency meter, with adjustments from 50 to 60 cycles, are also included. Easy to reach fuses, designed to protect the generator and equipment, make this unit a reliable source of auxiliary power for use in the field. A USDA-approved spark arrestor is built into the muffler, allowing the EM-500 to be used in national parks.

In a recent 3-month collecting trip in the Amazon lowlands of Peru for the Smithsonian, John Hepner apparently found a predecessor to this machine the answer to all his blacklighting needs.

# Buy Sell Exchange

#### BUY — SELL — EXCHANGE: POLICY STATEMENT.....

At the Executive Council Meeting in Fairbanks in June 1979 it was decided that the policy regarding placement of members' notices in the NEWS should be determined by the Editor, in keeping with the purposes of the Society as outlined in the Constitution, i.e.: "... to promote the science of lepidopterology; ..... to facilitate the exchange of specimens and ideas by both the professional worker and the amateur in the field, ..." (Article II). Commerce in lepidoptera is not a stated objective.

Therefore, it will be our policy to print notices which appear to meet the above criteria, just as in the past, without quoting prices (except for publications or lists). Notices which appear, by their listing or offer-ata/desiderata, or by an organizational title, to be commercial in nature, will be entered in a separate section as "commercial notices", listing only name, address, and a brief indication as to material offered/desired.

The Society, as in the past, expects all notices to

be offered in good faith and takes no responsibility for the integrity of any advertiser.

Your attention is directed to the new licensing requirement for those importing or exporting insects for sale, detailed on page 3 of this issue of the NEWS. Any member subject to the provisions of this law is encouraged to include her/his license number along with any notice for the NEWS, as an indication of legitimacy.

FOR SALE: 1300 butterflies of s. Florida, 2400 from n.e.

USA, 450 from e. & w. Ecuador, and 250 Catocala of n.e. USA, all papered, good quality, with data. Morris Spelman, 6505 Winfield Blvd., Margate, FL 33063.

EXCHANGE ONLY: Speyeria diana ♂♂ for any of the following: Speyeria idalia, S. nokomis (any ssp), Asterocampa leila, Chlorostyemon telea, any Ministrymon, Eurystrymon polingi, Calephelis muticum, or any Megathymus or Agathymus. All letters answered. Leroy C. Koehn, Rt#3 Box 270H, Staunton, VA 24401.

SALE OR EXCHANGE: Rare Erebia, Papilio, Colias, & Argynnis

- from Palearctic region. Want Parnassius, Colias, Pieris, and Coenonympha from your region. Also live material. For list write J. Krüger, Severin Str. 23, 5100 Aachen, WEST GERMANY.
- EXCHANGE ONLY: egg rings of Hemileuca maia for H. lucina or H. nevadensis. Dana Gring, 6126 Harvest Ln., Toledo, OH 43623.
- EXCHANGE: wide selection of butterflies from VA, NC, & FL in exchange for those of Canada, s.w.USA & Caribbean Islands. All letters answered. Leroy C. Koehn, Rt#3, Box 270H, Staunton, VA 24401.
- WANTED: Correspondence with US & foreign collectors for exchange of lepidoptera. Send list, all letters answered. Robert J. Warren, 2127 N. 11th, McAlester, OK 74501, USA.
- WANTED: A-1 specimens of Ornithoptera victoriae group, O. chimaera, O. goliath group, O. alexandrae (pairs preferred). Also Morpho rhetenor ♀, M. cypris ♀, M. phanodamus ♀, M. ockendini ♂, M. adonis ♀, M. aega ♀ types. Will purchase at reasonable prices. F. Bower, YMCA, 19 East Ave., Lockport, NY 14094.
- FOR SALE: Western US butterflies; write for list. Dr. James Scott, 60 Estes St., Lakewood, CO 80226.
- WANTED: useable copies of Butterflies of Trinidad & Tobago, M. Barcant; The Migration of Butterflies, C.B. Williams; Butterfly Hunting in Many Lands, G.B. Longstaff. State prices & condition. Leroy C. Koehn, Rt#3, Box 270H, Staunton, VA 24401.
- WANTED: ova of Catocala, Hesperidae, Speyeria, and Limnitis archippus. Glenn Firebaugh, 3636 Hoiles, Toledo, OH 43612. (Sorry, but you mailed this one to Baltimore, where it slipped through the cracks!).
- FOR SALE OR EXCHANGE: rare Agrias; prefer to exchange for ther rare Agrias. Write for lists. S.K. Dvorak, 4323 Oxford St., La Mesa, CA 92041.
- EXCHANGE: reared flawless pairs of Speyeria diana for species of comparable rarity & quality. Seeking rarer neotropical Papilionidae. Lycaenidae, Nemiobiidae. Wanted: Apodemia chisonensis, Xamia xami, Papilio pilumnus ♀, P. ornythion dark ♀, P. nitra. Irving L. Finkelstein, 425 Springdale Dr., Atlanta, GA 30305.
- SALE OR EXCHANGE: wild-collected (wc) and reared (r) cocoons of P. cynthia (wc), A. polyphemus (r), C. promethea (wc), and H. cecropia (wc/r). Will trade cynthia for wc cynthia to improve hereditary strains for rearing from both areas. Bruce C. Pulsifer, 163 Main St., Gorham, ME 04038.
- SALE OR EXCHANGE: Louisiana wild collected, papered or spread, E. imperialis, C. regalis, A. luna, A. io, C. angulifera, A. polyphemus, A. stigma, and dozens more of Sat., Sphing., Cith. in quantities of 1000 or more per species. Exchanges only for world Sphingidae. V.A.Brou, Rt. 1, Box 74, Edgard, LA 70049.
- FOR SALE: "Insects of Western North America", by O. E. Essig; "Butterflies of the West Coast" by Wright 1905 (plates only); "Audubon's Moths, Butterflies, and other Studies", ed. by Ford 1952. Make offer to Ralph Wells, 304 Hoffman St., Jackson, CA 95642.
- FOR SALE: Butterflies from Ontario, Manitoba, Alberta, and B.C.. List on request. Norman A. Tremblay, Shadow Lake Road 9, Norland, Ontario KOM 2L0, CANADA.
- FOR SALE: B. eunomia dawsoni, C. interior Iarentina, P. satyrus, P. faunus, B. bellona toddi; A1 quality. For info. SASE Henry Hensel, 145 Bellevue St., Edmunston, N.B. E3V 2E2, CANADA.
- FOR EXCHANGE ONLY: Morpho polyphemus polyphemus, Parides photinus, Battus polydamus and various other common Mexican butterflies, papered with full data. Want various Papilio species with full data. Enrique Fuentes, Apartado Postal 41-818, Mexico 10 DF, MEXICO.
- FOR SALE: cocoons of Samia cynthia or will exchange for other macroheterocera of foreign origin. SASE, Donald Hepperle, 969 Pine Ave., Castle Shannon, PA 15234.
- WANTED: revised edition of Holland's "Butterfly Book". Please state condition and price. John Calhoun, 382 Tradewind Ct., Westerville, OH 43081.
- FOR SALE: quantities of A. polyphemus cocoons. Tom Kral, Tr. 2, Box 648, Necedah, WI 54646.
- FOR SALE: 1 P. antimachus ♀, 2 P. zalmoxis ♀♀ (1 near perfect). From Irian Jaya (and not protected) 1 pr. O. meridionalis. From N.G. 1 pr. O. alexandrae and 2 O. victoria resplendens ♂♂ (positive documentation furnished that specimens were taken 1963-64, prior to the Protection Act). 500 assorted S. American Nymphalids and 2 Agrias gynandromorphs. Serious inquiries only, SASE within US. Dennis Gershkoff, 77 Ives St., Box 15 Providence, RI 02906
- WANTED: correspondence with collectors in Asia, Africa, S. America, the Pacific or other remote areas to exchange Papilio and Lycaenidae. Interest includes very common to very rare papered & live material. Dennis Gershkoff, address above.
- FOR SALE: 1300 Noctuidae from the Philippines, taken in Sept/Oct 1980. Laurent Schwartz, 37, Rue Pierre Nicole, 75005 Paris, FRANCE.
- EXCHANGE: West Indian Papilio including pelaus, andraemon, & thersites for unusual Papilionidae from anywhere.
- FOR SALE: large wholesale lots of cecropia, promethea, polyphemus, & luna cocoons. Jim Ebner, Box 556, Okauchee, WI 53069, USA.
- FOR SALE: reared A. luna cocoons. Am also accepting orders for A. luna, A. io, H. cecropia, & S. cynthia to be reared during the 1981 season. Larry J. Kopp, R.D.1, Klingerstown, PA 17941.
- WANTED: duplicate color slides from the Ecuador trip; will reimburse costs; lepidoptera or even other bugs. Ray W. Bracher, 17145 Cherokee Drive, South Bend, IN 46635.
- EXCHANGE: A1 Texas & Mexican tropicals for any worldwide papered A1 lepidoptera. Send list to David Pinder, 1306 Hewitt, Houston, TX 77018.
- FOR SALE: papered Manitoba moths & butterflies, also some exotic Papilio, Morpho, & Ornithoptera. The Manitoba material includes some from the Arctic, also many Oeneis & Catocala, including rare C. manitoba. Prices on request. C. S. Quelch, 20 Highgate Rd., Toronto, Ontario M8X 2B2, CANADA.
- WANTED: North American Noctuidae, esp. Agrotinae, Hadeninae, Cucullinae, & Amphyrinae. Kenneth Neil, Dept. Biol., Dalhousie Univ., Halifax, N.S. B3H 4J1, CANADA.
- EXCHANGE: lepidoptera from Pennsylvania for other US and Canadian material, esp western US. Send list of offerata and wants; all letters answered. Thomas Greager, R.D.#6, Box 56B, Greensburg, PA 15601.
- WANTED: cocoons or ova of H. columbia. William J. Wojnicki, 189 Kemp Ave., North Adams, MA 01247.
- WANTED: Epiphora bauhinae, Alcidis aurora, any Brahmaea species, and any African Saturniidae. Will buy or exchange. Bruce E. Ellis, 3817 Schiller Ave., Cleveland, OH 44109, USA.
- WANTED: correspondence with members from western US and Canada wishing to exchange papered specimens. Primary interests in Lycaenidae, Boloria, and Catocala, along with others. Free list on request; all letters answered. Frank R. Bodnar, Box 52, Spring Church, PA 15686.
- WANTED: Catocala from Texas, Florida, western USA, Canada and Palearctic region especially, or elsewhere. Will exchange Neotropical lepidoptera and other insects for these and for entomological equipment and literature (D'Abrera: Butterflies of the Neotropical Region series etc.), used or new. Eduardo C. Welling M., Apartado Postal 701, Merida, Yucatan, MEXICO.
- WANTED: Papilionidae from West Indies, Colombia, Bolivia, and Central America. Please write to G. ten Broek jr, P.O.Box 39, 1520 AA Wormerveer, HOLLAND.
- WANTED: miniature generator for night collecting, such as Honda E80 (no longer made), or any light, handy generator, new or second hand, in fair condition. Prof. H. Descimon, Biologie animal (Evolution), Université de Provence, 3 place Victor Hugo, 13331 Marseille CEDEX 3, FRANCE.
- WANTED: Perisama, Diaethria (=Callicore), Asterope (=Calithaea), Prepona, Archaeoprepona from the whole neotropical region, with as full as possible data. Buy or exchange; determination if desired. Prof. H. Descimon, address above.



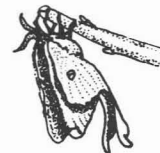
MEMBERS' COMMERCIAL NOTICES.....

MRS. CHANG PI-TZU, P.O. Box 873, Taipei, Taiwan 100,  
Republic of China: papered Formosan lepidoptera, ova  
and cocoons of moths, aberrations of butterflies and  
moths.  
ENTOMOLOGICAL REPRINT SPECIALISTS, P.O. Box 77224, Dock-  
weiler Station, Los Angeles, CA 90007, USA: D'Abrera  
"Butterflies of the Afrotropical Region". xx + 593 pp.,

color photos, \$138 US (plus tax for deliveries to CA),  
plus postage (\$3.00 in US, \$3.60 to Latin America and  
Spain, \$8.00 to Canada, \$9.00 elsewhere). In stock.  
Q NATURALIST ENTERPRISES, (Bill Perrie), 69 Marksbury Ave.  
Kew-Richmond, Surrey, ENGLAND: papered worldwide lep-  
idoptera and coleoptera to sell, or exchange for living  
pupae of w. hemisphere Papilionidae and Saturniidae,  
papered Colombian & Amazon beetles. Offers entertained.



# New Members



NEW MEMBERS who have joined since the Sept/Oct  
issue of the NEWS went to press have their addresses  
included in the 1980 Membership List, which may already  
have arrived. They will therefore be listed here, geo-  
graphically, so that you can readily identify the new  
members in your area and welcome them aboard.

AUSTRALIA	Thierry Porion
J. K. Guyomar	JAPAN
Rev. M. W. Stone	Prof. Akinori Nakanishi
CANADA	MEXICO
Victor Gendron	Francisco Medina R.
Tony Nebas	SPAIN
Felix Sperling	Kunio Suzuki
Bruce R. Stewart	TAIWAN
David Walker	Jeun-Yih Tseng
ECUADOR	
Mrs. Nadia Venedictoff	USA
ENGLAND	ARIZONA
Alan C. Cassidy	F. R. Russett
David Garthwaite	CALIFORNIA
Dr. Alan Hoaksey	Robert L. Allen
FRANCE	Mark K. Hawkins
R. Doisy	Dr. Charles K. Obert

DISTRICT OF COLUMBIA	Jeanine L. Stanis
Richard P. Seifert	NEW HAMPSHIRE
FLORIDA	Robert David
Mrs. Harry K. Clench	NEW JERSEY
Jon P. Detore	Norris Robb
Barbara Lenczewski	NEW MEXICO
Gerold Morrison	John Dunkin
Bill Regenhardt	OHIO
Neal G. Smith	Phillip R. Lawson
Jay S. Stees	Ralph E. Ramey
ILLINOIS	OREGON
William Bergman	Robbin L. Orcutt
Samuel D. Delisi, M.D.	PENNSYLVANIA
Ronald G. Gunther	Fritz Dederer
Merrily Kubida	Bruce D. Dow
Dr. Mark Utlaut	Nicholas D. Osimo
IOWA	Wilbur H. Seward
Larry A. McClelland	TEXAS
Ernest G. Primmer, D.D.S.	Robt. E. Carpenter, D.D.S.
MASSACHUSETTS	UTAH
Joel D. Miller	Chris Jenson
MINNESOTA	WISCONSIN
Chuck Farber	Irving W. Kuehn
Don Joaquin Frost, Jr.	Terry Matchulat

All ADDRESS CHANGES currently available will be found  
in the 1980 Membership List.

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Department of Biology  
University of Louisville  
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DEADLINES: Material submitted for inclusion in a particular issue of the NEWS should reach the NEWS EDITOR no later than the 15th of the preceding even-numbered month. Reports for the SEASON SUMMARY must reach the ZONE COORDINATORS (listed on front cover) no later than 31 January.

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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 the full dues for the current year (\$18.00 US), together with mailing address and a note on areas of interest in Lepidoptera; student membership (must be certified) \$12; sustaining membership \$25. 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 list will comprise the last issue of the NEWS in even-numbered years.

Information on membership may be obtained from the TREASURER, Ron Leuschner, 1900 John St., Manhattan Beach, CA 90266, USA. Changes of address must be sent to the TREASURER, and only when the changes are permanent or long-term. Other information about the Society may 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 of interest for publication in the membership list.

Manuscripts submitted for publication in the JOURNAL are to be sent to the JOURNAL EDITOR, Dr. Thomas D. Eichlin, 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.

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AVAILABLE PUBLICATIONS OF THE SOCIETY.....

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

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BACK ISSUES of the JOURNAL and of the NEWS of the Lepidopterists' Society: most back issues of the JOURNAL are available, and a few recent issues of the NEWS. See back of JOURNAL mailing label for details, or write C. Covell, Memoirs Editor, address below.

ORDER FROM: Dr. C. V. Covell, Jr., Department of Biology, University of Louisville, Louisville, KY 40208, USA.