



NEWS

of the LEPIDOPTERISTS' SOCIETY

Number 1
15 January, 1973

Editorial Committee of the NEWS

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MY FIRST DIANA FEMALE

I suppose you aren't really initiated into the ranks of American lepidopterology until you've read the entrancing, detailed vignettes scattered through Holland's Butterfly Book and Moth Book. Of these, my favorite is "A Race After a Butterfly" (pp. 104 - 105 of the Butterfly Book, revised edition). The imagery conjured up of a boy risking the taunts of a flock of young ladies to capture his prize, plus the legendary quality imparted to the female Diana Fritillary, Speyeria diana (Cramer), have made this particular butterfly quite possibly the favorite of eastern U. S. collectors.

It was not long after I became a fanatical teen-aged collector in 1949 that I learned about the desirability of S. diana - especially the dark blue-and-black female. In the summer of 1951 my collecting friend and I sought diana in vain amid the red clay hills of Stokes Co., N. C., near a church camp we were attending. The following June, in the same area, we were rewarded with a few choice males, but no females. The female became more and more awesome, and we often spoke hungrily of the hoped-for capture.

In June 1953, we returned to the church camp once more. After competing to get to the next likely Orange Milkweed for first crack at a tipling diana, we decided to take turns. After catching a few males, I became distracted by a new sweetheart, and lost interest in butterflies for the rest of the camp period. Still no female diana; I had been leaving these Appalachian foothills before many of the females were on the wing.

After a short sojourn at home in Southern Pines, N. C., I accompanied my dad and sister to another church camp, Kanuga, near Hendersonville, N. C. We stayed in a green wooden cabin beside a dirt road. The cabin was last in the row, and across the road there was an open field in which bloomed a few clumps of Orange Milkweed. Behind the cabin the terrain rose gently, a mixture of hardwoods and pines. For the first three days (June 22-24, 1953) I visited the milkweeds when possible, and plucked a few male dianas from the blossoms. The great day came on June 25.

Right across the road, at the edge of the field, there was a small mound of earth under a pine tree. Growing beside this little mound was an Orange Milkweed. On this still, hot day I inspected the plant, which had yielded a few males in the previous days. There, sitting on the mound of clay, was a perfectly fresh female diana - the first I had ever seen close up. With her wings displayed outspread against the red clay, she was a vision of butterfly perfection. The sight had me transfixed; I just couldn't swing my net. Besides, the nature of the mound was such that the butterfly might escape an imperfect move. So I just watched her, until she rose up, circled a time or two, then began flying at a leisurely pace across the dirt road and up the hill past my cabin toward the woods. I followed stealthily; mustn't make an aerial swing and alarm her, or that would be the ball game.

As the diana flew about six feet from the ground into the pines, I did a strange thing. I was wearing leather-soled loafers, and I found myself slipping and sliding as I jogged after the butterfly I had no intention of losing. Instead of making the best of that situation, or kicking off the shoes, I abandoned my chase, and went into the house. I changed shoes, then walked back into the hilly woods and picked my way through the trees until I came to the crest of the hill. A small, fenced concrete pool of water was there and I went around this little reservoir to the far side. There, on a tree branch at eye level, sat a perfect female diana. This time my nerves were as steel, and I made the successful capture. Then came the jubilant whooping and hollering to the empty forest.

Was this the same female I had been following? Why had I quit the chase to change shoes? And how fantastic that I had found what seemed to be the same butterfly after losing sight of it! This is my diana story; it was an experience I'll always remember.

— Charles V. Covell, Jr.

THE KARL JORDAN MEDAL

Here is the original sculpture of the Karl Jordan Medal, to be presented at the Annual Meeting of the Lepidopterists' Society. Criteria for selection and eligibility are given on pages 207-209 of the Journal of the Lepidopterists' Society, vol. 26, no. 4 (1972). Nominations of works for consideration may be sent beginning immediately to The Allyn Museum of Entomology, 712 Sarasota Bank Building, Sarasota, FLA. 33577, U.S.A.



THE 1972 PACIFIC SLOPE MEETING

The nineteenth annual meeting of the Pacific Slope Section of the Society was held Sept. 1-3 in the lecture hall of the Oakland Museum. Two days of papers culminated in the traditional Saturday night dinner at Spenger's in Berkeley, where Pres. Lloyd Martin gave an interesting talk on early California collectors, many of whom were illustrated by means of slides. About 50 people attended the talks, and a somewhat smaller group participated in a Sunday field trip to the nearby Antioch Dunes and Sacramento River delta, led by Bob Langston. In the former site, Apodemia mormo langei was found as hoped; Ochlodes yuma was a prize both there and at the second site, where Lycaena helloides and Pyrgus scriptura were also taken along with other species.

Old friendships were renewed at the meeting, and many interesting and well-illustrated talks whetted enthusiasm for future work. Papers were presented by P. J. Herlan, M. Collins, J. Scott, M. Burch, S. Miller, H. G. Real, G. W. George, J. F. Emmel, E. V. Coan, and R. L. Langston. Many of these were part of a Symposium on Conservation, chaired by J. A. Powell.

A business meeting was held, in which C. Don MacNeill was thanked for hosting the meeting, and Santa Barbara was chosen for the 1973 meeting site. This meeting will be the weekend before Labor Day, and the Program Committee will consist of John Sorensen, Chuck Sekermann, and Nelson Baker (the last named will also be in charge of local arrangements). Notices of this meeting will be sent to all members of the Society.

The increasing concern with conservation problems resulted in the unanimous passage by the group of the following resolution submitted by J. A. Powell and John Lane:

"Whereas the Lepidopterists' Society has an interest in the recognition and preservation of existing natural ecological associations to which native, non-economically detrimental Lepidoptera are adapted;

And Whereas the Lepidopterists' Society recognizes a general decrease in the extent of undisturbed ecological associations;

Be it resolved that the Pacific Slope Section of the Lepidopterists' Society recommends that the Society initiate action toward:

- 1) Incorporating into governmental laws aimed at protection of "rare or endangered species" species, sub-species, or specified populations of native Lepidoptera;
- 2) Gathering, maintaining and making available for dissemination information relating to endangered habitats and/or species."

This resolution was to be sent to the President of the Society, who was to forward it to the Conservation Committee. Ray Stanford offered to be chairman of a committee to collect data on rare and endangered species on the Pacific Slope, with the help of J. A. Powell.

*[Excerpted from minutes provided by
Ron Leuschner, Secretary of the meeting]*

NEW LITERATURE ON LEPIDOPTERA:

Riotte, J. C. E. 1972. A review of the North American Hawk Moth genus Lapara (Lepidoptera, Sphingidae). Life Sciences Contrib. 79, Royal Ontario Museum. 40 pp. The author has generously offered to send copies free to Society members upon request.

Pinhey, E. 1972. Emperor Moths of South and South Central Africa. Capetown. 150 pp., 42 pls. (15 colors), 13 figs. Distributed in U. S. by J. J. Nadolny, Natural History Booksellers, 35 Varmor Dr., New Britain, CONN. 06053, U. S. A. \$12.95.

Dickens, M. and E. Storey 1972. The World of Butterflies. 127 pp., 108 colored plates. Order from Osprey Publishing Ltd., P. O. Box 25, 707 Oxford Rd., Reading RG3 1JB, Berkshire, ENGLAND. About \$5 U.S. (£ 1.95 in United Kingdom).

This little book by the manager of the butterfly farm near Ashford, Kent, Michael Dickens, and nature photographer Eric Storey consists mainly of color photos of many of the loveliest tropical butterflies of the world, such as some of the Morpho and Ornithoptera species. After a freshly informative introduction, the book consists of plates of variable but moderately good quality, each illustrating one butterfly. Below the figure is text information giving scientific and common names, family name, wingspan, range, habitats and habits, food plants, sexual dimorphism, subspecies, and similar species. The book is probably best suited for collectors who are interested in the bigger butterfly beauties; the hairstreaks are, unfortunately, not represented. Some of the data is erroneous; for example, the author indicates that Phoebis philea (referred to Catopsilia) is "recorded also in Texas, Florida and Georgia, but no doubt these are immigrants." Beside what must be similar errors with other species, the book is colorful and useful especially to those beginning with the colorful tropical species.

— CVC

Harris, Lucien Jr. 1972. The Butterflies of Georgia. Univ. of Okla. Press, Norman. 326 pp., 23 pls. (10 colored). \$7.95.



LUCIEN HARRIS JR.

This fine, long-awaited book by Charter Member Lucien Harris Jr. is filled with precise information about Georgia butterflies and those lepidopterists who have contributed to the lepidopterology of the state. There is fascinating reading about John Abbot and H. L. Stoddard and conservation efforts in Georgia. Each species is treated thoroughly, with extensive data on collecting sites, dates, biology, food plants, ecology, and other pertinent information. Discussion is well supported with extensive references to the literature. This work takes its place among the valuable state fauna books such as those already gracing our bookshelves for California, Virginia, Colorado, and Florida.

— CVC

NEWS AND NOTES:

We are sorry to report the death of Mr. Peter T. Harrington, a member of the Society specializing in Papilionoidea and butterflies of Ontario. He was our only member in Libya.

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Dr. J. G. Franclemont, Dept. of Entomology, Cornell Univ., Ithaca, N. Y. 14850, asks members of the Society to be on the lookout for several rare, old works that have been stolen from the Entomology Library at Cornell. Anyone who can help in their recovery is urged to write to him. The works include the following:

QL481 Merian, Maria S. Dissertation sur la generation et les transformations des insectes de Surinam. D97++ A la Haye, Chez Pierre Gosse, 1726. 1 vol.

QL466 Merian, Maria S. Erucarum ortus, alim entum et paradoxa metamorphosis...

M561 Amsterldami, apud Joannem Oosterwyk, 1717. 1 vol.

QL554 Sepp, Jan. Surninaamsche vlinders. Amsterdam, S4 J. C. Sepp en zoon, 1848-52. 3 vol.

QL555 Lewin, William. The papilios of Great Britain. London, Printed for G7L67 J. Johnson, 1795. 1 vol.

QL555 Ernst, J. J. Papillons d'Europe. Paris, P. M. Dalaguet, Basan A1 E71 & Poignana, 1779?-1786. 5 vol.

QL548 Edwards, W. H. Butterflies of North America. Boston and New York, E26 Houghton, Mifflin and Co., 1868-1897. 3 vol.

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Mr. William D. Field has informed the Editor that a correction is due on pg. 5 of the 15 May, 1972, NEWS, in the list of publications of the Mid-continent Lepidoptera Series: No. 32, by Edwards, is published for the first time in the Mid-continent Lepidoptera Series, and is NOT a reprint, as stated. Also, Mr. Field is interested in borrowing a complete set of the mimeographed newsletters of The Butterfly Club (1946-1955). His address: Dept. of Entomology, U. S. National Museum of Natural History, Washington, D.C. 20560.

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Beginning with this issue, the NEWS will be sent to ALL subscribers (libraries, etc.) as well as to members. The March issue will be largely devoted to the annual Field Season Summary, but ads and other items will be included as well.

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THE XERCES SOCIETY. Director Robert M. Pyle is back at the College of Forest Resources, Univ. of Washington, Seattle, WASH. 98195, completing his MS degree. Associate Director Jo Brewer writes that the organization is in need of further contributions, and invites members of the Lepidopterists' Society to join in this year-old butterfly conservation organization. Any amount of money counts as membership dues, and will help during this stage of constitution-formation and development of the first projects and publications. The first issue of the newsletter Atala is expected in the near future. Tax-exempt status is anticipated as soon as the Constitution and By-Laws are approved by IRS. Send donations or write for information: Mrs. Jo Brewer, 300 Islington Rd., Auburndale, MASS. 02166.

The following letter was received by Mrs. Brewer from Jim Cane, and is printed here to indicate the concern for the Karner Blue. Those interested in helping in this conservation cause should write to Mr. Cane:

500 Haskell Place
Delmar, New York 12054
January 9, 1973

Dear Sirs;

I am writing to you on behalf of The Regional Entomology Club (TREC) based in the New York State Museum at Albany. It is under the supervision of the State Entomologist, John Wilcox. We have in our area a subspecies of one of the Blues which is on the verge of extinction. We hope that we can enlist your efforts towards the prevention of this eradication of life.

The butterfly's Latin name is Lycaeides melissa samuelis Edwards. It is a subspecies of the Melissa Blue, and is popularly known as the Karner Blue. In Holland's Butterfly Book, it is considered a separate species as Lycaena scudderi Edwards. At the time of the printing of Holland's book, in 1904, this little butterfly was known from British Columbia to the Catskill Mountains here in New York. By the time Klots' A Field Guide to the Butterflies was released in 1951, the Karner Blue was found only sporadically throughout the Northeast, but with several large colonies still left in New York State. However, this butterfly is now down to one final foothold, one last colony, located outside of Albany, in the Pine Bush area of Karner. And this area is rapidly succumbing to the onslaught of the bulldozer and concrete.

The Pine Bush area in itself is a unique ecological area, for at one time it was the sandy shore of one-time Lake Albany, which drained after the recession of the last Ice Age. To this day, both the sand and the dunes still remain. The area is now largely vegetated with pitch pines, scrub oak, blueberry bushes, and occasional patches of lupine. The lupine is all-important to the survival of the Karner Blue, for this is the principal food plant of the larva, and without it, extinction. But man has interfered. This relatively flat, sandy land between two major cities has been considered a wasteland by those who wish to develop it. It already contains a junkyard, a landfill, several concrete highways, a score of industries, a residential tract, a water tower, several dirt pits, and a string of high-voltage electrical cables. Man has also interfered with the periodical, natural fires which have scoured the areas of the Pine Bush, which are all-essential to the prevention of a mature forest forming. Man is continuing to threaten, and it is high time that he started to protect.

At this moment, the Nature Conservancy is doing all that it can to purchase parcels of land to be set aside in the Pine Bush. The cities have donated a handful of acres. But this will not be enough. We ask you to enter publicly into the preservation of this butterfly and its habitat. If you so desire, we will place an article of your writing in several newspapers, declaring your cause. We await your reply.

Sincerely,
JIM CANE,
Corres. Secretary of TREC

25th ANNIVERSARY COMMEMORATIVE ISSUE

Contributions for the Commemorative issue have now reached about 60% of the Finance Committee's goal. As you know, annual DUES will NOT be used to print this issue. Therefore, publication must be delayed until sufficient funds have been raised to cover projected printing costs. If you have not yet made your intended contribution, may we suggest you do it without further delay. With the steady rise in printing costs, the longer it takes to raise sufficient funds the more it will cost. Contributors of \$20 or more will receive the COMMEMORATIVE VOLUME without further charge. SEND YOUR CONTRIBUTIONS TO: S. S. Nicolay, Treasurer, THE LEPIDOPTERISTS' SOCIETY, 1500 Wakefield Drive, Virginia Beach, Virginia 23455 U. S. A.

*The Finance Committee,
25th Anniversary Commemorative Issue*

* * *

The First International Congress of Systematic and Evolutionary Biology will be held at the Univ. of Colorado, Boulder, from 4-12 August, 1973. Information pamphlets are available from: Robert W. Pennak, Dept. of Biology, University of Colorado, Boulder, COLO. 80302, U.S.A. Incidentally, your Editor is planning to attend, and wishes to learn which other members of the Society will be attending.

NOVEMBER ELECTION RESULTS:

Our Secretary, Dr. Lee D. Miller, informs me that the officers, honorary life members, and constitutional changes that appeared on the November ballot were approved by the membership. Thanks to ex-President Lloyd Martin for a fine job; welcome to President Jack Clarke and President-elect Harry Clench. First Vice President is Alexander B. Klots; other Vice Presidents are Eugene Munroe and C. F. Cowan. Treasurer is S. S. Nicolay; and new Executive Council Members-at-large are: Roy O. Kendall, Jerry A. Powell, and Douglas C. Ferguson. Frederick H. Rindge is the Karl Jordan Medal Representative. The Honorary Life Members newly elected are F. Martin Brown and Cyril F. dos Passos. Congratulations to all.

* * *

Dealers' Directory Addition: Add Donald L. Baber, 1511 Drake Ave., Burlingame, CALIF. 94010 to your Jan. 1972 listings for Equipment and Materials (glassine paper only) and Lepidoptera Specimens (Melitaea editha in wholesale lots only).

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Please don't forget to pay your 1973 dues. Do you know anyone who would enjoy membership in the Society?

LETTER TO THE EDITOR:

Richard Priestaf of Goleta, CALIF. writes:

"With the 1973 season beginning, it's time to make my plea to anyone contemplating collecting Papilio indra pergamus: Let's leave the poor bug alone for a few years! This Swallowtail seems to be extinct in its type locality in Santa Barbara County, and it is rare in Los Angeles and San Bernardino counties. Pergamus had strongholds in San Diego Co., but these colonies have suffered greatly from fires and overcollecting. "Hog collectors" have ravaged the

colonies on Tecate Peak and Garnet Peak. Based on personal observations and reports from other collectors, pergamus has been rare in the past two years in both these areas.

"Such destructive collecting is a disgrace to our Society. We, the lepidopterists of this country should be the people who care the most about our native butterflies and moths. Yet some of us seem to be doing their utmost to drive some species into oblivion. So let's stop collecting pergamus for a few years, and let these colonies build up again in numbers. Perhaps we can work together and re-establish pergamus where it was first found — on the high peaks in the Santa Ynez Mountains, behind Santa Barbara. The foodplant is common up there, and there is no reason why pergamus cannot be common again there!"

SPECIAL NOTICE

BACK VOLUMES AVAILABLE (Complete)

VOL. 1 — For the first time since 1947, offered for sale to members. Printed in offset from re-typed pages in the original format and size, it is an exact duplicate of the original mimeographed volume.

VOL. 4 & 5 — Volumes 1 thru 5 were issued as THE LEPIDOPTERISTS' NEWS in 8½" x 11" format; all are compatible for binding in a single unit; vols. 2-5 lithoprinted.

VOL. 10 & 11 — Beginning with vol. 6, format is 6" x 9" letterpress printed.

VOLS. 13 thru 18, Vols. 20, 22, 23, 25 — Beginning with Vol. 13, the name was changed from the Lep. NEWS to the current JOURNAL OF THE LEPIDOPTERISTS' SOCIETY.

Price to members — \$8.00 per volume (1-24); \$10.00 for volume 25 and subsequent.

ORDER COMPLETE VOLUMES FROM THE TREASURER OF THE SOCIETY:

COL. S. S. NICOLAY, 1500 Wakefield Dr., Virginia Beach, VA. 23455, U. S. A.

Parts of volumes omitted from the above list are available pro rata. Some lack only one part. Reprinting of missing numbers is continuing, but is time-consuming and costly. We anticipate volumes 2 and 3 should be available early in 1973. For additional information, contact:

SIDNEY A. HESSEL, Nettleton Hollow Road, Washington, CONN. 06793, U.S.A.

RESEARCH REQUESTS:

I am studying biology, distribution and taxonomy of the Nymphidium group of butterflies, including the genera Nymphidium, Juditha (Hemming), and Synargus (Riodinidae). I would greatly appreciate hearing from members with material to sell or exchange, or who could send information on food plants or any other observations on these butterflies. Material must be in series when possible, and with full data. Curtis J. Callaghan, c/o IBM do Brasil Ltda., Caixa Postal 1830-ZC00, Rio de Janeiro, BRAZIL.

Wanted for research on the Speyeria (Semnopsyche) species of North America, records for diana, cybele subspecies, and aphrodite subspecies. Also wanted are live females of any of the above this season. Bruce Walsh, 63 LaRancheria, Carmel Valley, CALIF. 93924, U.S.A.

Specimens wanted for examination and distribution records solicited for the eight subspecies in the Speyeria aphrodite complex. (typical aphrodite, alcestis, whitehousei, byblis, columbia, winni, mayae, and ethne). I am working on the biology and systematics of this complex, emphasizing the relationship of subspecies alcestis and aphrodite. I am also looking for people who can supply me with live males and females, or livestock in season. Richard A. Arnold, Dept. of Entomology, Michigan State Univ., East Lansing, MICH. 48823, U.S.A.

Wanted for research on the genetics of melanism: living normal or melanic females, or eggs, larvae, or pupae of the following N. American moths: Biston cognataria, Epimecis hortaria, Charadra deridens, Phigalia titea, and Phaeoura quernaria. Michael Ginevan, Dept. of Entomology, Univ. of Kansas, Lawrence, KANS. 66044, U.S.A.

Specimens and data on Euphyes dion dion and E. dion alabamiae needed. Would like to borrow, exchange for, or buy. Charles T. Bryson, Box 1414, Miss. State, MISS. 39762, U.S.A.

Correspondence wanted with anyone having knowledge of mating and rearing in Colias. I wish to rear and study relationships between C. eurytheme and C. eriphyle. Oscar O. Otto, Jr., 8531 Cherry Lane, Westminster, COLO. 80030, U. S. A.

I am gathering distributional data on the Thessalia (Chlosyne) leanira - fulvia - alma complex, and wish any information collectors have had with any species and subspecies in this group. Information needed includes: specific locality, numbers of specimens taken, sex, condition of adults, date, description of collecting site, larval information if any, and whether or not Castilleja (Indian Paintbrush) was present. I also wish correspondence with anyone who has had experience with the life history of any of this group. Capt. James J. Smith, 549684182, P. O. Box 5111, 406 Matl. Sqdn., APO New York, 09286, U. S. A.

I am preparing a work on North Dakota Hesperioidea and would appreciate hearing from lepidopterists who have collected skippers in or anywhere near North Dakota. Will purchase or exchange for specimens. I have Hesperia dacotae, Oeneis uhleri, varuna, Speyeria idalia, and many other Minnesota and N. D. Lepidoptera to offer in exchange. Tim L. McCabe, 101 1st Ave. S. W., Dilworth, MINN. 56529, U. S. A.

NOTICES:

Members of the Lepidopterists' Society are invited to use this section free of charge to advertise their needs and offerings in Lepidoptera. We cannot guarantee any notices, but all are expected to be made in good faith. Please be brief, clear, and check spelling. Avoid long lists. Generally, notices will be limited to 3 appearances if more than one is requested. The Editor reserves the right to alter or reject unsuitable copy.

- ✓ FOR SALE: 3,000 Manitoba butterflies and moths, all A-1 with full data, and correctly papered to preserve antennae. Revised price list for 1972-73 free upon request. C. S. Quelch, 21 Park Circle, Winnipeg R2C 0L6, Manitoba, CANADA.
- FOR SALE: Papered perfect specimens of Paonias astylus, \$2 each. Have good quantity of these; also have many other eastern U. S. species in papers. Write for list. Also, I wish correspondence with anyone who has collected P. astylus in any part of the U. S., as I wish to obtain collecting information. Jeffrey C. Gilbert, P.C.T., 116 Augusta Court, York, PA. 17404, U.S.A.
- FOR SALE: 10 wooden Corina cigar boxes for \$2.50; approx. 480 sheets of 2x3 ft. glassine paper, \$8; specimens of Melitaea editha in wholesale lots: 200 for \$5; 500 for \$10. Donald L. Baber, 1511 Drake Ave., Burlingame, CALIF. 94010, U.S.A.
- FOR SALE: A. luna living cocoons, \$.30 each; minimum order 25; lots of 200 or more, \$.20 each. Catherine Hartman, Rt. 5, Box 504D, Elkhart, IND. 46514, U.S.A.
- FOR SALE: Living cocoons of A. luna and A. io, \$35 per hundred. Pupae of C. juglandis, \$25 per hundred. Larry J. Kopp, R.D., Klingerstown, PA. 17941, U.S.A.
- FOR SALE: O. paradisea male; O. chimaera female; O. v. rubianus, pair; O. v. reginae female; O. p. demophanes, pair; O. p. euphorion, 2 pairs: \$330 for lot. Henry Hensel, 145 Bellevue St., Edmundston, N. B. CANADA.
- FOR SALE: Glass topped drawers, 19 1/4 by 19 1/4 inches, in units of 15 drawers each. Two units now available at \$100 per unit. Also have bound volumes of scientific periodicals including some entomological journals: \$15 per volume, postpaid. List on request. Russell A. Rahn, 314 N. 5th St., Watertown, WIS. 53094, U. S. A.
- FOR SALE: Wild-collected cocoons of Callosamia promethea: \$20 per hundred. Also semi-wild collected Dryocampa rubicunda pupae, \$25 per hundred. Robert Header, R.R.1, Box 331-B, Ashland, PA. 17921, U. S. A.
- FOR SALE: Will sell for best cash offer the following: Journal of the Lepid. Soc., vol. 20, no. 3, through vol. 26, no. 3, plus Supplements; News of the Lepid. Soc. - 74 issues, 1961-72; Bull. Assoc. Minnesota Entomologists, 7 copies, 1969-70; and Mid-Continent Lepidoptera Series, 16 copies, 1969-1970. M. Spelman, 7300 Bellemeade Island Dr., Miami, FLA. 33138, U. S. A.
- FOR SALE: Over 2,300 worldwide Sphingidae, Saturniidae, and Catocala in papers. All are good quality with data. Send stamped, self-addressed envelope for complete listing. Also, I will have large amounts of pinned and papered Louisiana Lepidoptera and Coleoptera available this season. I am interested in rare U. S. and exotic Sphingidae. Write for particulars. Vernon Brou, Rt. 1, Box 74, Edgard, LA. 70049, U. S. A.
- FOR SALE: Perfect specimens embedded in clear polyester resin (see J. Lepid. Soc. 21 (2): 1967) as paperweights, 3 1/2 inch diameter. Identified with Latin and common names: C. atalanta, A. vanillae, C. eurytheme (male, female), C. cesonja (male, female): \$3.50 each. Also 200 papered specimens from Odessa for sale or exchange. Mrs. R. H. Harrison, 4034 Stillwood Lane, Odessa, TEX. 79762, U. S. A.
- FOR SALE: A variety of tree seeds, especially Tulip Tree, Persimmon, Sweetgum, Ailanthus, and Black Walnut available. Others collected to order. Will rear and collect trees and Lepidoptera to order if available. Write for prices and other information. Michael R. O'Brien, 22 Richards Ave., Pine Hill, N. J. 08021, U. S. A.
- FOR SALE: Smooth plastic foam spreading boards, varying in width of notch (not adjustable), \$2 each. Can supply quantities. Siegfried Scholz, 9005 Lyneve Drive, Louisville, KY. 40272, U. S. A.
- FOR SALE: Formosan Butterflies, Moths, Beetles and other dried insect specimens in large quantity. Mrs. Chang Pi-Tzu, P. O. Box 873, Taipei, Taiwan (Formosa).
- EXCHANGE: Many North American and West German butterflies—also tropicals, and Saturniidae and Sphingidae. Desire Rhopalocera of world, esp. Hesperidae. Sgt. Kenneth R. Knight, 114 McCabe St., Ft. Bragg, N.C. 28307, U.S.A.
- EXCHANGE: Catocala judith and other Catocala, as well as determined macro moths from eastern U. S. (Maine to N.C.), for macro moths from Canada and U.S.A. (esp. boreal regions or great plains). Dale Schweitzer, Dept. of Zoology, Univ. of Massachusetts, Amherst, MASS. 01002, U.S.A.
- FOR SALE OR EXCHANGE: A wide selection of living Lepidoptera ova, including foreign and domestic Sphingidae and Saturniidae, as well as many species (esp. Rhopalocera) from my area. Please indicate when writing what you have for sale or exchange. Dave Thompson, 2309 Iowa St., Cedar Falls, IOWA 50613, U.S.A.
- FOR SALE OR EXCHANGE: Cocoons, chrysalids and pupae of the following available: A. luna, H. cecropia, A. polyphemus, A. io, P. cynthia, P. troilus and E. clarus. Prices on request; minimum order \$2 (plus \$.50 for postage

and handling). I wish to buy or will accept in exchange: R. forbesi, R. orizaba, R. jorulla, R. aureta, E. calleta, C. angulifera, A. illustris, E. imperialis, C. regalis, and male and female A. atlas. Michael R. O'Brien, 22 Richards Ave., Pine Hill, N. J. 08021, U.S.A.

- WANTED: Full-time employment as curatorial or research assistant. B.S. in entomology, Jan. 1972. Letter and resumé will be sent on request. Thomas E. Dimock, c/o R. P. Anderson, 464 Fairfax Ave., Ventura, CALIF. 93003, U.S.A.
- WANTED: To buy living pupae of H. gloveri, C. securifera, E. calleta, R. forbesi, A. zephyria, P. indra (subspecies indra, martini, pergamus, minori, kaibabensis) in small quantities. Robert Scharf, 18161 Karen Dr., Tarzana, CALIF. 91356, U.S.A.
- WANTED: Binocular dissecting microscope — an older but serviceable used model. Send details of magnification, type, price, etc., or suggestions, to Warren J. Kiel, R.F.D. No. 1, Groveton, N. H. 03582, U. S. A.
- WANTED: To buy ova of North American Sphingidae, esp. Manduca, Sphinx, Eumorphia, and Pachysphinx - or to exchange for pupae of Sphinx ligustri. Bernd Lenzner, 7151 Affalterbach/Baden-Württemberg, Schillerstrasse 29, GERMANY.
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- WANTED: Information and correspondence on maximum number of ova and variations of larvae produced by Actias luna females. My wild Pa. female laid 592 ova. Is this a possible record? Michael R. O'Brien, 22 Richards Ave., Pine Hill, N. J. 08021, U. A. A.
- WANTED: To buy back issues of Journal of Research on the Lepidoptera (except vol. 1). Will purchase best offer as of March 1. C. V. Covell, Jr., Dept. of Biology, Univ. Of Louisville, Louisville, KY. 40208, U. S. A.

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