



NEWS

of the LEPIDOPTERISTS' SOCIETY

Number 6 (1974)

1 Feb. 1975

Editorial Committee of the NEWS

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A RECENT TRAGEDY

There have been a number of incidents that have caused attention recently, regarding problems or mishaps on collecting trips. Ed Giesbert entertained the local Lorquin Society with a story of beetle collecting in Baja, California, where a threatening stranger blocked his exit on a lonely, isolated road. That story, however, had a happy (even humorous) ending as Ed's Citroen vehicle with its hydraulic suspension was able to suddenly raise its undercarriage and clear the boulders that were supposed to block the road. In another incident, Fred Rindge wrote that Bill Howe had "a harrowing experience in Tamaunchale, Mexico". No further details were given.

The latest and most serious incident, indeed a tragedy, concerns the death of Denis Cowper of Belen, New Mexico while on a collecting trip in Mexico. Mr. Cowper had only recently joined the Society; just a few weeks before his trip, he wrote regarding the omission of his name from the Membership List (he had joined just after the cut-off date for the List). The story of his trip is pieced together from two separate newspaper accounts, both written shortly after his disappearance. Since a search was still in progress, there were no answers to questions regarding the causes. The only further fact known is that he is now listed on the rolls of the Society as deceased.

Denis Cowper was a prominent attorney and partner in a law firm in Socorro, New Mexico. Butterflies were his hobby, as well as cacti, and he evidently had made a number of trips to Mexico to collect or study these. In late November, 1974, he flew to Puerto Vallarta, the famous jet-set beach resort, where he rented a car to get back into more interesting regions away from the resort. On Friday, November 29 he drove his car to the north in the Valle de Banderas area, where it was subsequently discovered, locked with all supplies inside including his canteen. The area where the car was found was

described in one account as "dense jungle" and in the other as "heavily wooded land bordered by farm land". Mr. Cowper was alone on this trip as he was well familiar with the region. He had even purchased a pair of heavy boots as an extra precaution against snakes.

When it became apparent that he was missing, an intensive search of the area was organized by Mrs. Cowper, assisted by Mr. Bailey, one of his law partners. Senator Montoya of New Mexico contacted Mexican authorities to gain their full cooperation in the search effort. Aircraft, land vehicles, and a helicopter were used to comb the area starting from where the car was found. Here, all accounts leave off, and we can only surmise that the search efforts were in vain.

It must be the dream of almost every member of our Society, whether their interests are butterflies or moths, to make a collecting expedition to Mexico. It is a new, different land, filled with exciting, beautiful species — a chance to get away from the continual reminders of urban life and too many people. If this is so, then we all can share the remorse that what should have been an exhilarating experience became a tragedy.

There was no indication of robbery or foul play: both accounts were completely silent on the cause of the disappearance. The intent of this article is *not* to warn people away from trips to Mexico. Dozens of collectors make trips to Baja California each year with the incident at the start of the article being the only recent problem known. It is the editor's opinion that you are at least as safe from human causes on any trip to Mexico as you would be on a visit to downtown Manhattan. Thus this article is intended solely to note, with great sadness, the death of a fellow collector and member of the Lepidopterists' Society.

FIELD SEASON SUMMARY FOR 1974

Time to be getting your field notes for the 1974 season in order to submit to the Zone Coordinator in the areas in which you collected last year. Try to make your report brief, accurate, and neatly presented (double-spaced and typed if possible). *Deadline* for you getting your reports to Zone Coordinators is March 15, 1975.

Please try to avoid complete long lists of species collected in various localities. Mention the commoner species with reference to specific information such as population size, habits, unusual forms, etc. — not just as records of your having taken them again. Be sure to include information on your finer catches, new collecting areas, new time records, etc. Use the *dos Passos Check List* for North American butterfly names, and check your spelling so the Coordinator will not have that to worry about. Also, omit names of authors of species except where absolutely necessary.

Following are listed the 10 zones with their Coordinators and their addresses, and the areas encompassed by each:

ZONE 1: (Calif., Ariz., Nev.) — Robert L. Langston, 31 Windsor Ave., Kensington, CALIF. 94708, U.S.A.

ZONE 2: (B.C., Wash., Ore., Ida., Mont.) — Jon H. Shepard, R.R. #2, Nelson, B.C., CANADA.

ZONE 3: (Alta., Wyo., Utah, Colo., N.M.) — Donald Eff, 445 Theresa Drive, Fairview Estates, Boulder, COLO. 80302, U.S.A.

ZONE 4: (Sask., Man., N. and S. Dakota, Nebr., Kans., Okla., Texas) — H. A. Freeman, 1605 Lewis Drive, Garland, TEXAS 75041, U.S.A.

ZONE 5: (Ont., Minn., Wisc., Mich., Iowa, Ill., Ind., Ky., Ohio, Mo., West Va.) — M. C. Nielsen, 3415 Overlea Drive, Lansing, MICH. 48917, U.S.A. olina, Va.) — Bryant Mather, 213 Mt. Salus Drive, Clinton, MISS.

ZONE 6: (Ark., La., Tenn., Miss., Ala., Fla., Ga., N. and S. Car 39056, U.S.A.

l., Md., D.C.) — L. Paul Grey, R.F.D., Lincoln, MAINE 04457,

ZONE 7: (Que., Nova Scotia, New England, N.Y., N.J., Pa., De U.S.A.

ZONE 8: (Alaska and Northern Canada) — Kenelm W. Philip, 1005 Gilmore St., Fairbanks, ALASKA 99701, U.S.A.

ZONE 9: (Northern Neotropics: West Indies, Mexico, and Central America) — Eduardo C. Welling M., Aptdo. Postal 701, Merida, Yucatan, MEXICO.

ZONE 10: (South America) — Thomas C. Emmel, Dept. of Zoology, University of Florida, Gainesville, FLA. 32601, U.S.A.

A NOTE ON REPAIR OF LEPIDOPTERA

Damaged lepidoptera always are difficult to repair. For a number of years we have tried virtually every cement available, including "insect (body and wing) glues" sold exclusively for this purpose, ethyl acetate cements, clear nail polish, model airplane dope, mucilages, etc. with varying, but unsatisfactory results in their application, speed of binding or longevity of the bond.

We have been testing "pro-bond," a cement utilizing the Eastman 910 adhesive, and are very impressed with its almost instant drying time and the tenacity of the repair. One does not return to the insect case several weeks or months later to find the supposedly "glued" parts on the bottom of the tray. Moreover, "pro-bond" is used in miniscule quantities and should work on repair of other types of insects. The caution is that this adhesive also can bind "skin to skin"; it is not for use by children and directions must be judiciously followed. Although final results of its use cannot yet be given, we wonder if others have tried it or will do so and report on their results. "Pro-bond" is available from *Reid Products*, 12 Mosley Road, Fairport, New York 14450.

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* * *

NOMINATIONS FOR 1975 JORDAN MEDAL

The Jordan Medal Awards Committee are receiving nominations for the year 1975. The procedures and criteria for

awarding the Jordan Medal were published in the *Journal*, Vol. 26 (4): 207-209. Any member of the Society who wishes to nominate a prospective recipient should send these nominations to:

Jordan Medal Awards Committee
Allyn Museum of Entomology
3701 Bay Shore Rd.
Sarasota, Fla. 33580

* * *

SAVE ENDANGERED BUTTERFLIES

A few years ago, it was stated at a Pacific Slope Section meeting that there were no butterflies (or other insects) on the official "endangered" lists due to efforts of the pesticide lobby. If you start saving these things, why people might stop using insecticides in large quantities. But now things have changed (hopefully), as the Society's own Paul Opler is now in Washington in the Office of Endangered Species. The latest Xerces Society Newsletter tells of Dr. Opler's first move to establish butterflies on the Official Endangered List. Two swallowtails have been chosen, both of great beauty and in threatened or restricted habitats: Schaus Swallowtail, *Papilio aristodemus ponceanus*, and the Bahaman Swallowtail, *Papilio andraemon bonhotei* (Xerces had an excellent sketch of each, but we are a lower budget production).

If you (meaning each and every Lep Society member) are in favor of this move, will you please write a letter to Paul saying so, with any other comments and suggestions that you might have. Our bureaucracy can be impressed by public response in the form of letters; otherwise it is hard for one man to prove that anyone cares. So write today to:

Dr. Paul Opler
Office of Endangered Species
Dept. of Interior
Fish & Wildlife Service
Washington, D.C. 20240

DEPINNING OF ENTOMOLOGICAL SPECIMENS

Sometimes the collector is faced with the task of removing a specimen from its pin. No problem when the specimen is loose. But usually the specimens to be depinned are the ones solidly frozen to the pin. Pushing down with a forceps or a small tube is sometimes effective but more often results in a broken specimen. Placing the specimen in a relaxing jar is always a possibility. Of course, resetting is then necessary. But even that approach may fail when the specimen has been fixed to the pin with one of the plastic adhesives that are inert towards humidity.

There is, however, a very simple way to assure safe depinning under all circumstances, namely, via application of heat. The degree of complication can vary within wide limits and should be selected according to the frequency at which the operation is to be performed. Once the basic idea is grasped the reader can select the materials and modify the design freely to satisfy his particular needs.

The principle involved is readily recognized from the two drawings. As shown in Figure 1 the specimen, S, is pinned into pinning block, A, a vertical piece of wood that is secured to the table strongly enough to resist movement to the left when a slight pressure is exerted in this direction with the pusher, P. This pusher is a thin piece of wood or carton (about the thickness as employed to fabricate cigar boxes) and has a hole in the middle just big enough to allow the head of the pin to pass comfortably. While slightly pressing with the pusher towards block A a flame, F, is applied to the end of the pin. As the metal becomes hot the tissue and/or glue fastening the specimen to the pin softens or chars and the specimen becomes loose. The flame is then immediately removed to avoid burning the outside of the thorax.

The pusher can be made with a handle to facilitate holding (Figure 2). It can be fabricated from asbestos sheet of appropriate thickness or the carton or cigar box wood can be covered by pasting asbestos paper to it. Also the hole can be lined by a minute roll of asbestos paper. Such pushers can be used over and over again, when depinning is frequently required.

It is advisable to have pushers of different sizes to fit various specimens and with the appropriate diameter hole for

the pin head. The flame should be applied gently with waving and in such a way that neither flame nor hot air force through the hole towards the specimen. While a match may suffice in the simplest case, for frequent application and convenience in handling a butane lighter is by far superior. The flame is hot, does not smoke and can readily be directed. With this lighter employed, the pinning block can even be placed horizontally and the pusher used to exert a downward pressure. Care, however, should be exercised to prevent the specimen (especially a small one) from falling down hard and breaking antennae and legs when hitting the block. It is advisable to make the block from very soft wood, best is balsa, so that the pin can be inserted deep enough to prevent it from coming loose when the insert area is charred. Plastic must not be used as pinning block because it will melt under the influence of heat!

The heated and removed pins should not be used for further pinning of specimen. Nylon heads melt off, steel becomes soft and lacquer layers are burned. Steel pins can be heated and dropped into water and thereby regain some of their original properties. The best, however, is to set the old pins aside for jobs like fastening setting paper to the board or cross-pinning abdomens when mailing specimens.

The depinning may come in handy when applying the recently described fast mounting method (R. Jae in NEWS Lep. Soc. No. 3, 1974, page 5). Incidentally, when using this approach, depinning should be quite easy without heat when the pin before inserting into the specimen is greased with oil or silicone grease. Removal of the pin from the specimen after drying should be simple and the pin can be reused. However, it may become necessary to apply some glue to fix the specimen to the final pin because the hole through the thorax will be slippery from the remaining traces of the grease.

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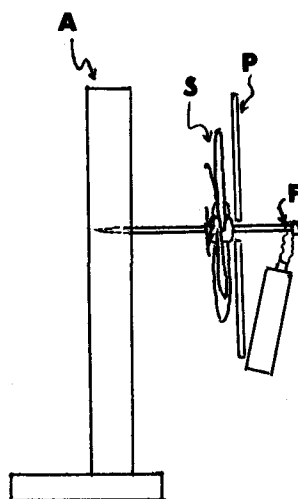


Figure 1.
Cross-sectional View
of Depinner

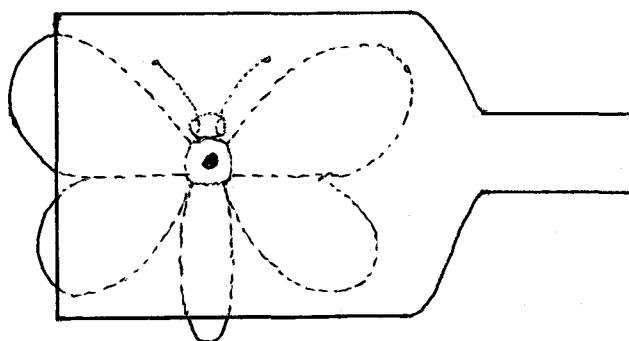


Figure 2. Arrangement of Figure 1 as
Seen from the Right Side

A LIST OF WEST CENTRAL OHIO BUTTERFLIES

The species of butterflies in this list have been collected by the author from 1964 to 1973 in Jackson and McLean Townships, Auglaize and Shelby Counties, Ohio. These two townships are adjacent and consist of flat, intensively farmed land with occasional woodlot. They are bordered on the east by the Old Miami and Erie canal reservoir, Lake Loramie. At the time of the original Ohio land survey, this territory consisted of pockets of elm-ash swamp forest surrounded by a great beech forest. Today only small remnants of the swamp forest remain as second growth woodlots, and the beech forest has disappeared. This zoogeographic area is limited and many would class it as unrewarding. The information we have gathered, however, may be of value to lepidopterists.

In this list the classification of dos Passos (1964) with subsequent revision has been observed. The primary sources of identification used were texts by Klots (1951) and Holland (1940).

HESPERIIDAE

Lerodea eufala. Rare. June 30, Minster.
Amblyscirtes vialis. Uncommon.
Atrytonopsis hianna. Rare. July 28, Egypt.
Euphyes dukesi. Rare. July 30, Egypt.
Euphyes vestris metacomet. Common.
Poanes hobomok. Common, June.
Atrytone arogos. Rare. June 18, Egypt.
Polites coras. Common, June to August.
Hylephila phyleus. Rare. One from Minster.
Ancyloxypha numitor. Common in grassy spots.
Pholisora catallus. Common in grass along creeks.
Pyrgus communis. Very common.
Erynnis brizo. Rare.
Erynnis juvenalis. May 7, Egypt, on *Galium aparine* flowers.
Epargyreus clarus. Sparse, in June and July.

PAPILIONIDAE

Battus philenor. Common. Larvae on *Asarum canadense*.
Papilio polyxenes asterius. Very common.
Papilio cressphontes. Two broods, June and late August.
Papilio glaucus. Common. Black females rare.
Papilio troilus. Common near *Lindera benzoin*.
Graphium marcellus. Common in woodlots with *Asimina triloba*. Spring form uncommon.

PIERIDAE

Pieris protodice. September or later.
Pieris rapae. Extremely abundant.
Colias eurytheme. Common.
Colias philodice. Very common all season.
Eurema lisa. Only taken in two years.

RIODINIDAE

Lephelisca muticum. One pair, July 24, Newport.

LYCAENIDAE

Harkenclenus titus. Rare. One in Minster.
Satyrium calanus falacer. July 3, Minster.
Satyrium caryaevorus. Rare. June 8, 1965.
Strymon melinus. Common.
Lycaena thoe. Uncommon since 1966.
Lycaena phlaeas americana. Uncommon. None since 1966.
Everas comyntas. Very common.
Celastrina argiolus. Very common. Great variability.

LIBYTHEIDAE

Libytheana bachmanii. Rare. One, Aug. 16, Minster.

NYMPHALIDAE

Asterocampa celtis. Common in July and August.
Asterocampa clyton. Rare.
Limenitis arthemis astyanax. No white banded forms.
Limenitis archippus. Common in July and August.
Vanessa atalanta. Common, esp. early April.
Vanessa virginiensis. Uncommon.
Vanessa cardui. A migration in 1968.
Junonea coenia. Uncommon. Absent in 1972.
Nymphalis milberti. Food plant is *Urtica procera*.
Nymphalis antiopa. Common in early spring.
Polygonia interrogationis. Common, March to October.
Polygonia comma. Uncommon.
Phyciodes tharos. Very common, from early May.
Boloria toddi ammiralis. Very common.
Speyeria cybele. Abundant, June and July.
Euptoieta claudia. Rare. One pair, June, Minster.

DANAIDAE

Danaus plexippus. Sept. 12, 1971, a great migration. (Lepid. News No. 3, 1972.)

SATYRIDAE

Lethe portlandia anthedon. Rare. May in Minster.
Euptychia cymela. Abundant, May to July.
Cercyonis pegala. Common.

Louis A. Hoying
 227 S. Hanover St.
 Minster, Ohio 45865

THEFT OF BUTTERFLIES FROM PARIS MUSEUM

Through Fred Rindge, we have learned of the theft of about 15 butterflies of great value (up to 30,000 Francs) from Museum National d'Histoire Naturelle in Paris. The loss was discovered in late July, 1974. The species known to be missing are all Ornithoptera and Papilio, as follows: *O.goliath procus* (1 m), *O.g.joiceyi* (1 pr.), *O.rothschildi* (1 pr.), *O.paradisea* (2 m, 1 f), *O.victoriae regis f.gabrieli* (1 f), *O.priamus* (1 m), *O.p.poseidon* (1 f), *P.aegeus ormenus f.onesimus* (1 f), *P.homerus* (2), *P.hahneli* (1). If anyone has reason to believe they are being offered any of the above for sale, they should contact Dr. P. Viette in care of the Museum at 45, Rue de Buffon, 75005 Paris, FRANCE.

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SHAPIRO COLLECTION (NO. 2) TO DAVIS

The University of California at Davis has announced the donation of 22,000 butterflies to their collection by Arthur M. Shapiro, assistant professor of zoology. Shapiro's first collection of 12,000 specimens was given to Cornell University. The present collection contains series used in the study of seasonality—the effect of weather on pigmentation on several generations of a species, sampled throughout the year.

NEW MEMBERS:

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PULSIFER, Bruce C.	6 Haven Rd., Medfield, MASS. 02052, U.S.A.
SCHWASNICK, Louis W.	C/O Schlumberger Overseas S.A.; P.O. Box 2943, Duabi, UNITED ARAB EMIRATES

BOOK NOTICES:

LEMAIRE, Claude, 1974. Revision of the genus *Automeris* Hubner and related genera (in French) (Lepid. Attacidae or Saturniidae), Vol. 3, in *Memoires du Museum National d'Histoire Naturelle, Serie A*, 92, pp. 423-576. With genitalia figures 279-370 and plates 50-61. This and Volumes 1 and 2 are available from: Librairie du Museum, 38 Rue Geoffroy Saint-Hilaire, 75005 Paris, FRANCE.

Simplified Checklist of the Skippers and Butterflies of the U.S. and Canada. In eight photo-offset sections, containing all valid genera, species and subspecies, plus alphabetical annotations. \$6.30 postpaid. Richard E. Gray, Aux. RR #2, Enfield, N.HAMP. 03748, 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 are requested. The Editor reserves the right to alter or reject unsuitable copy.

FOR SALE: "British Lepidoptera, Vol. IV", J. W. Tutt (1904); "A List of the Insects of New York", M. D. Leonard (1928); "Butterflies of California" (colored plates only, bound), J. Comstock (1927); "Micro-lepidoptera of the Philippine Islands", A. Diakonoff (1967). Make offer to M. C. Nielsen, 3415 Overlea Drive, Lansing, MICH. 48917, U.S.A.

WANTED: Lepidoptera from S.E. Asia and Papua/New Guinea, for exchange or purchase. For Sale: Lepido-mosaics—pictures made of butterfly wings. Inquiry cordially invited. S. K. Ong, Box 2, Simpeitou, Taiwan 112, Rep. of CHINA.

- FOR SALE: From Churchill, Manitoba a limited number of *Colias nastes moina* (\$10 each) and *Erebia theano canadensis* (\$12 each). All are A-1 with full data, males only. Orders filled as received, but do not send money until notified. Will consider trades for equally rare species. David K. Parshall, 4424 Rosemary, Columbus, OHIO 43214, U.S.A.
- WANTED: Female pupae or ova of *Hemileuca eglanterina* or *H. hera* for cash or exchange. FOR SALE OR EXCHANGE: Many species of Lepidoptera—pupae, ova, and papered specimens. Send stamp for lists. Duke Downey, Box 558, Sheridan, WYOM. 82801, U.S.A.
- FOR SALE: Yearlong collections of all insect families (also spiders, scorpions, etc.). No price lists, no exchange, no live material. Collector guests welcome. Fred Smetacek, Bhimtal Forest Estate, 263136 Bhimtal, U.P., INDIA
- EXCHANGE: Florida Rhopalocera for those from other areas. Also have Giant Water Bugs for exchange; will trade for Coleoptera. Linwood C. Dow, 1272 Inverness Dr., Dunedin, FLA. 33528, U.S.A.
- FOR SALE: Mounted, named local moths. Minimum order 1,000 at \$400 per thousand in series up to 20 each. S. G. Jewett, Jr., Route 1, Box 339, West Linn, OREG. 97068, U.S.A.
- WANTED: Interesting displays for entomological museum—freeze-dried larva, small moth display, large leaf insect, termite queen, large Arizona centipede, unusual insect jewelry, etc. Prefer all spread specimens but will consider others. Please write stating price. Marlen McWilliams, 271 Jaggars Dr., San Jose, CALIF. 95119, U.S.A.
- FOR SALE: Living cocoons of *Antheraea pernyi* at \$40 per 100 or \$350 per 1,000. Buyer must obtain importation labels using application forms which I will provide. Also pupae of *Lapara bombycolides* and *Anisota rubicunda* at \$25 per 100. Larry J. Kopp, R.D. 1, Klingerstown, PA. 17941, U.S.A.
- EXCHANGE: North American and West German butterflies for any species I do not already have. Will furnish list on request. Kenneth R. Knight, 365-44-8159, HHC 97th Sig.Bn., APO, N.Y. 09028, U.S.A.
- FOR SALE: *Agrias* and *Prepona* collection, with 126 *Agrias* including many rarities, also the extremely rare *Prepona praeneste*, all in good order. Price, \$1,500. A second collection of western U.S. Lepidoptera has rarities such as *Papilio bairdii*, *kaibabensis*, *martini*, *fordi*, *pergamus*, *Spey*, *nokomis caerulescens*, many more in excellent order. Price \$1,200. Both collections housed in redwood Schmidt boxes, included in respective prices. S. K. Dvorak, 4341 Louisiana St., San Diego, CALIF. 92104, U.S.A.
- FOR SALE: All groups of Formosan butterflies and insects. Need A2 quality *Ornith. priamus poseidon*, *p.admiralitis*, *Morpho menelaus* and *hecuba*, in large quantities. C. K. Yu, Muh Sheng Entomological Center, 3 Ton Rong Road, Puli, Taiwan 545, Rep. of CHINA
- FOR SALE: Eight 22 x 22 x 1/4 inch plywood tray drawers (\$8); Colorpack Land Camera, 3 1/2 x 4 1/2 pics, cost \$50, sell for \$30; Nature Encyclopedia, by G. C. Fisher (\$10); 6-hole pin holder with 400 pins (\$2); wooden shipping boxes, 5 in. square, write for prices and sizes. Donald L. Baber, 1511 Drake Ave., Burlingame, CALIF. 94010, U.S.A.
- WANTED: To buy or trade for Spanish Lepidoptera, series of good quality *Thessalia (Melitaea) leanira*, *alma*, *fulvia* or *cyneas*. Capt. Michael J. Smith, P.O. Box 5111, APO New York, N.Y. 09286, U.S.A.
- REWARD: For information on theft of over 100 pupae of *Eacles imperialis* from a research project at Univ of Arkansas, between Aug. 1973 and June, 1974. Anyone who bought or exchanged for this species from anyone in Fayetteville, Ark. please contact Ed Gage, Rt. 2, Box 155, Prosser, WASH. 99350, U.S.A.
- FOR SALE: Collection of *Prepona*, 22 spmns., 10 diff., \$20; *Callicore*, 50 spmns., 10 diff., \$25; *Perisama*, 59 spmns., 12 diff., \$35; *Heliconus*, 70 spmns., 40 diff., \$50. All good quality material with printed locality labels. Henry Hensel, 145 Bellevue Str., Edmundston, N.B., CANADA.
- FOR SALE: *Ornithoptera: Trogonoptera trojanus*, \$15, males only. *Ornith. p. poseidon*, \$12 a pair. *Trodes o. papuensis*, \$5 a pair. *Papilio ulysses*, \$5, males only. *Pap. euchenor*, \$4. *Graphium weiskei*, \$3. Please add postage and packing costs to your order. Thomas W. Davies, 791 Elsie Ave., San Leandro, CALIF. 94577, U.S.A.
- EXCHANGE OR SALE: Live, wild-collected cocoons of *H. cecropia* (50¢), *T. polyphemus* (50¢), and *C. promethea* (25¢). Delivery postpaid. Need living pupae of any *Papilio* sp. or live pupae of *H.rubra*, *H.gloveri*, *E.imperialis* and exotic *Saturniidae*. Craig R. Kohl, 514 32nd St.NE, Cedar Rapids, IOWA 52402, U.S.A.
- FOR SALE: Over 900 rare and common species of butterflies, beetles, scorpions, centipedes, and other insects from Malaysia, Indonesia, Thailand, Portuguese Timor, etc. K. H. Wong, P.O. Box 74 Paya Lebar, SINGAPORE 19.
- FOR SALE: 3000 Manitoba moths and butterflies. Price list on request. C. S. Quelch, 21 Park Circle, Winnipeg, MAN. R2C 0L6, CANADA.
- WANTED: *Ornithoptera croesus*, *Teinopalpus imperialis* (fem.), *Graellsia isabellae*, *Papilio blumei*, *Morpho cypris*, *Morpho rhetinor* (fem.), *Phoebis avellanada* (from Cuba). Write if you have perfect specimens to sell. B. E. Ellis, 2221 Kinkel Ave., Cleveland, OHIO 44109, U.S.A.
- FOR SALE: At present, *Ornithoptera paradisea*. Write for price if interested. Donald Eff, 445 Theresa Drive, Fairview Estates, Boulder, COLO. 80303, U.S.A.

FOR SALE: S. American butterflies: *Morpho*, *Agrias*, *Papilio*, *Prepona* at moderate prices. Reared *Arg.mittrei* and *Att.atlas*. *Att. lorquini*, *Pap.rumanzovia*, *Tr.rhadamanthus*, *Cun.peninsula*, *megalenus*, *helenia minos*, *T.brookiana* and *trojanus* and other worldwide species. Also many beetles. Lists available. WANTED: Will buy or exchange butterflies, moths or beetles of any country if A1 quality, or books on beetles or Lepid. (any language). Mrs. M. A. Azevedo, 10, Dunholme Court, Ermine East. Estate, Lincolnshire, ENGLAND.

FOR SALE: 12 Drawer Insect Cabinet, with 6 Cornell-size glass top drawers, walnut finish on fir and pine. Locking front door. Price, \$50.00, plus shipping. Ent. literature, mostly Lepidoptera, List on request. EXCHANGE: Want N. American butterflies outside my area. Offer north-central species and some worldwide. Will also correspond and exchange some groups on a worldwide basis. R. A. Rahn, 3214 W. Springdale Ave., Wausau, WISC. 54401, U.S.A.

FOR SALE: Standard black insect pins (Imperial brand), \$5.50 per 1000, sizes 000 through 7 (nylon heads). Add 16¢ per 1000 for postage. Other types and brands of pins available; write for price list. Redwood Insect boxes, 9 x 13, composition bottom, \$4.25 each plus shipping (approx. 20% or 12% in Calif.) Also available with polyethylene bottoms, 25¢ extra. Quantity discount. Clair Armin, 191 W. Palm Ave., Reedley, CALIF. 93654, U.S.A.

FOR SALE: Many Formosan butterflies, moths, beetles, dragonflies, and other dried insect specimens for collectors or art work. Also living cocoons and eggs of moths in large quantities. Mrs. Chang Pi-Tzu, P.O. Box 873, Taipei, FORMOSA.

RESEARCH REQUESTS:

Need localities and distribution data for *Thessalia (Melitaea) leanira*, *alma*, and *fulvia* in southwest U.S., especially California. Data will be used in a paper on the distribution of the species, and an eventual revision of the group. Need specific localities, number of adults captured, and whether larvae or *Castilleja* were present. Capt. Michael J. Smith, P.O. Box 5111, APO, New York, N.Y. 09286, U.S.A.

Want current address of Hahn W. Capps, formerly at the Smithsonian Institution (U. S. National Museum), working on immature Lepidoptera. Kent H. Wilson, P.O. Box 1097, Edmond, OKLA. 73034, U.S.A.

Wanted for population study of Texas Hesperioidea: any data or information re: genus *Hesperia* in Texas. All contributions and correspondence acknowledged. Bill McGuire, 2911 Avenue O, Galveston, TEXAS 77550, U.S.A.

Would like to borrow preserved (in any manner) ova, larvae, and pupae of *Speyeria*, *Boloria*, and any other Argynniinae. Richard A. Arnold, Dept. of Entomology, Natural Sciences Bldg., Michigan State University, East Lansing, MICH. 48823, U.S.A.

Want specimens for taxonomic and biogeographical study of *Callophrys (Incisalia) irus* (Godart), especially from Ark., Texas, Ga., N.Car., Mich., N.J., and N.Y. All contributions will be acknowledged if used in print, and specimens returned within 90 days. Contact either: Ronald R. Gatrell, 126 Wells Rd., Hanahan, S.C. 29405, U.S.A. or Steven J. Roman, 205 Shady Hollow, Casselberry, FLA 32707, U.S.A.

Ova or pupae urgently wanted of *Hyles lineata*, the White-lined Sphinx. Will buy or exchange. Interested in live material of other American or exotic Sphingidae. M. C. Birch, Dept. of Entomology, Univ. of Calif., Davis, CALIF. 95616, U.S.A.

Need species records, flight dates and localities for butterflies and skippers of Arkansas for an extensive statewide book on their ecology. All records will be acknowledged. Ed Gage, Rt. 2, Box 155, Prosser, WASH. 99350, U.S.A.

Need information and livestock of *Lithophanini* for Ph.D. thesis. Mating season for most species. Accurate regional lists with option of specimen loan for all areas except NE USA, especially USSR and southern USA. Desire western US and Eurasian papered material. Urgently need living adults of *Metaxaglaea* spp. from SE USA. Need *L.lepida*, *P.ceromatica*. Offer *Hemileuca lucina* adults and ova in exchange. Dale F. Schweitzer, Dept. of Zoology, Univ. of Massachusetts, Amherst, MASS. 01002, U.S.A.

For dissertation on butterfly conservation: any information, esp. with supporting data, concerning decline of Lepidoptera populations due to human causes. Urgently need biogeography, life history and population biology of *Oen. polyxenes katahdin*, *O.melissa semidea* and *O.chryxus valerata*. R. M. Pyle, School of Forestry and Environmental Studies, Yale University, New Haven, CT. 06511, U.S.A.

ADDITION TO 1973 SEASON SUMMARY

Ed Gage found *Papilio glaucus* very common at Horsetail Falls, Nuevo Leon, MEXICO on March 14. This is evidently an unusual and somewhat controversial record, but Ed swears that he is quite familiar with *multicaudata*, and that this was definitely *glaucus*.

from: THE LEPIDOPTERISTS' SOCIETY

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Memoirs of the Lepidopterists' Society, Number 1 (Feb., 1964)

A SYNONYMIC LIST OF THE NEARCTIC RHOPALOCERA, by C. F. dos Passos

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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 (\$13, U.S.A.) together with full address and areas of interest in Lepidoptera. Remittances in dollars (U.S.A.) should be made payable to The Lepidopterists' Society. All members will receive the **JOURNAL** (published quarterly) and the **NEWS** (published bimonthly). A biennial membership list will comprise one issue of the **NEWS** in even-numbered years. Back issues of the **JOURNAL** may be purchased from the **TREASURER**.

Information on membership may be obtained from the **TREASURER**, Col. Stanley S. Nicolay, 1500 Wakefield Drive, Virginia Beach, VA. 23455, U.S.A. Changes of address must be sent to him alone, and only when changes are permanent or very long-term.

Other information about the Society may be obtained from the **SECRETARY**, Dr. Lee D. Miller, Allyn Museum of Entomology, 3701 Bay Shore Rd., Sarasota, FLA. 33580, U.S.A.

Manuscripts for publication in the **JOURNAL** are to be sent to the Editor, Dr. Theodore D. Sargent, Zoology Dept., Univ. of Massachusetts, Amherst, MASS. 01002, U.S.A. See the inside back cover of a copy of the **JOURNAL** for editorial policies.

Items for inclusion in the **NEWS** should be sent to the Editor, Ron Leuschner, 1900 John St., Manhattan Beach, CA. 90266, U.S.A.