



N E W S

of the LEPIDOPTERISTS' SOCIETY

Number 4
1 June, 1970

Editorial Committee of the NEWS

E. J. Newcomer, Editor, 1509 Summitview, Yakima, Washington 98902, USA

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NEW EDITOR FOR NEWS

Dr. Charles V. Covell, Jr., of the University of Louisville, Ky., is your new Editor, as of July 1. Dr. Covell got interested in butterflies as a Boy Scout and has been a member of the Lepidopterists' Society since 1951. He was born in Washington, D. C. in 1935, moved to North Carolina in 1950, attended the University of North Carolina, majoring in English, and began teaching English in 1956. He received the

M. S. and PhD degrees in Entomology from the Virginia Polytechnic Institute and since 1964 has been a faculty member in the Biology Department of the University of Louisville. Beginning July 1, he will be an associate professor. His major interests are in taxonomy, biology and faunistics of American Geometridae, and in faunal studies of the Lepidoptera of Virginia and Kentucky. Dr. Covell is married and has one son, Charles Jr., now 5 years old and already a net wielder. It is with a great deal of pleasure that I turn this job over to Charlie Covell after my six-year stint (as limited by our constitution) as Editor of the NEWS. I wish him well.---E. J. Newcomer.

NEW EDITOR FOR JOURNAL

Dr. D. F. Hardwick, of Ottawa, Canada, is now the Editor of the Journal of the Lepidopterists' Society. His address is K. W. Neatby Bldg., Central Experimental Farm, Carling Avenue, Ottawa, Ontario, Canada. Contributions for the Journal should be sent to him.

LAST CALL FOR ANNUAL MEETING

Carson City, Nevada, June 19-21.

See March NEWS for particulars of this meeting, and come if you can.

BIENNIAL MEMBERSHIP LIST

If you have not yet sent in the form giving information for the Membership List, which was in the 15 April NEWS, please do so if any changes are needed.

NOTICES

Lepidopterists' Society members may use this section free of charge to advertise their offerings and needs in Lepidoptera. The Editors reserve the right to rewrite notices for clarity or to reject unsuitable notices. We cannot guarantee any notices but all are expected to be bona fide. Notices should be sent to the Editor and should reach him at least two weeks in advance of publication date for any particular issue of the NEWS.

WANTED: Living chrysaldis of Papilio cressphontes, palamedes, polydamus, philenor and G. marcellus; also Morpho aega, rhetenor, menelaus, nestira, aurora, portis, and didius. Will pay top prices for any of these. Also wanted: Live larvae of A. luna, A. io, C. angulifera, H. gloveri, and H. rubra. Will buy or exchange A-1 papered specimens of A. luna, A. io, H. cecropia, H. gloveri or A. polyphemus with full data. Frederick H. Bower, 97 Olcott St., Lockport, N. Y., 14094, USA.

FOR SALE: A-1 papered specimens of Actias luna, 70¢; Automeris io, 55¢; Hyalophora cecropia, 55¢ H. gloveri, 80¢; Antheraea polyphemus, 35¢. Lowest prices anywhere!

Frederick H. Bower, 97 Olcott St., Lockport, N. Y., 14094, USA.

FOR SALE: W. T. M. Forbes, Lepidoptera of Barro Colorado Island, Panama. Parts I & II. Bul. of the Museum of Comparative Zoology, Cambridge, Mass. 1939-42. \$9 postpaid or will exchange for other wanted literature, especially Comstock, Butterflies of California, 1927; Clark, The Butterflies of the District of Columbia and Vicinity, 1932; Clark & Clark, The Butterflies of Virginia, 1951; or other regional lists or treatises. Is anyone interested in exchanging a copy in good, clean, complete condition of Seitz' American Rhopalocera, English Edition, for a collection of Mexican moths? Eduardo O. Welling M., Aptdo Postal 701, Merida, Yucatan, Mexico.

FOR SALE: Large numbers of black scorpions in alcohol, average length 3-5 inches, for high school and university laboratories, etc. Also glassine envelopes in three convenient sizes. Ask for samples. Eduardo C. Welling M., Aptdo Postal 701, Merida, Yucatan. Mexico.

WANTED: Specimens and/or information concerning Arctonotus lucidus ssp. clarki (Sphingidae). The moth is reported from Pullman, Wash. Also interested in Proserpinus flavofasciata ulalume. Can offer U. S. or foreign Sphingidae in exchange or will buy. J. M. Cadiou, 2040 Amherst, Palo Alto, Calif., 94306.

WANTED: CUSTOMERS. Am trying to liquidate large stock of Lepidoptera as well as my own collection. Discounts on all orders. Write for list. Russell L. Dunn, Box 468, Sedona, Ariz., 86336, USA.

FOR SALE: Seitz, Macrolepidoptera of the World. All used but in good usable condition.

Vol. 1, Palearctic text; same, plates, Palearctic HesperIIDae, with text & Plates.

Vol. 1, Supplement (1932), Palearctic Butterflies, text and plates.

Vol. 5, The American Phopalocera (1924), text; same plates.

Vol. 13, African Phopalocera, text and plates (1925).

Vol. 13, African HesperIIDae, text and plates.

Arthur H. Moeck, 301 West Armour Ave., Milwaukee, Wisc., 53207, USA.

FOR EXCHANGE: Many thousands of tropical butterflies, moths, beetles and other insects from all over the world, including many fine Papilios, Morphos, Caligos, etc. A-1 material, papered, named, full data. Wish in exchange North American material or tropical. M. A. Zappalorti, 123 Androvette St., Staten Island, N. Y., 10309, USA.

WANTED: Seitz Vol. 6 (in English) with plates. Bombyces and Sphinges. New or used. A. H. MacAndrews, 740 Juniper Ave., Boulder, Colo., 80302, USA.

WANTED: Correspondence and exchange of specimens with collectors in Japan. Have thousands of U. S. specimens to offer. Vernon A. Brou, Jr., Rt. 1, Box 74, Edgard, La., 70049, USA.

INFORMATION WANTED: Anticipate vacation in western and central Oregon, July 5-20. Correspondence invited from anyone familiar with the area's better collecting sites, for butterflies. Dave Roldness, 3700 10th Ave., San Diego, Cal. 92103.

FOR SALE: Trogonoptera brookiana albescens, 50 for \$53, postpaid. Also free 30-page list B-5 listing many hard-to-obtain species of Lepidoptera and coleoptera. Jerry Schloemer, 2595 Crestwood (Riverwoods), Deerfield, Ill., 60015, USA.

FOR SALE: Malaysian butterflies; over 200 different species available. Send 20¢ airmail for list, returnable with any order. G. D. Trebilcock, 42 Normandy Ave., Barnet, Herts., ENGLAND.

WANTED: HELICONIANS and ITHOMIINES in any condition for completion of chemical studies in progress. Can send in trade either Brazilian species in same groups or, with a variable trade factor, a wide variety of Brazilian Rhopalocera and/or Heterocera, depending on your interests. Please write to discuss arrangements before sending any material. Keith S. Brown, Jr., C. P. P. N., Faculdade de Farmacia, Praia Vermelha, Rio de Janeiro ZC-82, BRAZIL.

RESEARCH NOTICES

Heliconius nattereri, the only strongly sexually domorphic (female = H. fruhstorferi) and to now least known member of the genus, has been rediscovered in eastern Brazil, studied extensively in the field, and bred from eggs. Juvenile and adult morphological characters indicate it is probably a primitive precursor of the silvaniform, melpomeneform and eratoform Heliconius, but not close to Eueides or the hierax, aoede, wallacei, xanthocles or doris groups. Full details of its biology are being submitted in a short paper to Entomological News and in a full paper, comprising also a complete supplementary revision of the Heliconiini, to Zoologica.

I have limited number of males and very limited number of females (all worn and/or broken) of this species which I would like to place in all major world collections of Heliconius. Would prefer to trade for Heliconius which I still need (especially longarena, godmani and luciana, for which I will trade males 1:1); also Ithomiines for chemical study. Please write for details and discussion of possible trade arrangements. Keith S. Brown, Jr., C. P. P. N., Faculdade de Farmacia, Praia Vermelha. Rio de Janeiro ZC-82, BRAZIL.

NOTE: A survey of the frequency of melanic forms of Geometrid moths in relation to air pollution is in progress. Species specially under study are: Biston cognataria, Phigalea titea, P. olivacearia, Nocophora quernaria, Elimecis hortaria, Ectropis crepuscularia. Anybody with information about melanic forms of these or other species in the U. S. or Canada, or who is willing to record data during the coming season, please write: Dr. Peter S. Harper, Johns Hopkins Hospital, Baltimore, Md., 21205. Phone 301-955-6414.

BOOK NOTICES

Mrs. Alice L. Hopf announces the publication of her new childrens' book for early readers, "Carab, The Trap-Door Spider." This gives in simple language the life history of one species of trapdoor spider. Beautifully illustrated by Kiyo Komoda. G. P. Putnams Sons, New York, \$2.68.

Annotationes Rhopalocerologicae 1970, by Charles F. Cowan, completes his correction of Hemming's massive "Generic Names of the Butterflies and Their Type-Species, published in 1967 by the British Museum. Cowan's two booklets correct several hundred errors in Hemming and are a must for any taxonomist. They be purchased from the author at Little Gaddesden House, Berkhamsted, Herts. ENGLAND, for about \$5.00. (Part I, 1968, \$1.50; Part II, 1970, \$3.00).

THE MOTHS OF AMERICA NORTH OF MEXICO, a major new work to be published in 41 fascicles during the next dozen years. Full color photographs of virtually all 10,000 species. Complete text on distribution, life history, foodplants. A 10-page brochure will be mailed to all Society members soon. If yours does not arrive by July, write the U. S. distributor for one: Entomological Reprint Specialists, Box 77971, Dockweiler Sta., Los Angeles, Cal., 90007, USA.

NEWS NOTE

Mrs. Jo Brewer wishes to thank those who answered her request for information in the 1 March NEWS. She is in need of more information, and if you have any observations on the decline of butterfly populations during the last 25 years, particularly where related to the use of pesticides, she would appreciate hearing from you. Her address is: Mrs. Jo Brewer, 300 Islington Rd., Auburndale, Mass., 02166, USA.

NEW MEMBERS

| | |
|--------------------------|---|
| ALBRECHT, Carl W. Jr. | 49 E. California Ave., Columbus, O, 43202, USA |
| ALLEN, Davis E. | 824 N. Bailey Ave., Fort Worth, Tex. 76107, USA |
| BABCOCK, William F. | 578 Orlando Ave., Akron, O, 44320, USA |
| BREBRICK, Rudy J. | 15302 Cambay Lane, Huntington Beach, Cal., 92647, USA |
| BRIEGER, Prof. Gottfried | Dept. of Chemistry, Oakland Univ., Rochester, Mich., 48063, USA |
| FIELD, William D. | Dept. of Entomology, Smithsonian Institution, Washington, D. C. 20560, USA |
| FUAT, Peter Wong Kam | 123, Road 20/9, Petaling Jaya, Selangor, MALAYSIA |
| HANSEN, Kenneth C. | 2736 K St., Eureka, Cal. 95501, USA |
| HART, Gerry | 4797 Churchill, Chomedey Laval, Quebec, CANADA |
| KOEHN, LeRoy C. | 1473 E. 248th St., Euclid, O., 44117, USA |
| KRIVDA, Walter V. | Box 864, The Pas, Manitoba, CANADA |
| LIEBERT, Paul L. | 2405 Silva Ave., #41, Hayward, Cal., 94544, USA |
| SARNOVSKY, John | 423 Washington Ave., Elyria, O., 44035, USA |
| SEIMAN, Charles L. | c/o Dr. Max Nickerson, Dept. of Zoology, Arkansas State Univ., State University, Ark., 72467, USA |

REINSTATED MEMBERS

| | |
|-----------------------|---|
| CHVALA, pan Milan | Praha 4 - Pankrac, Sidlista I, blk 16, eis 1111, CZECHOSLOVAKIA |
| DENNO, Robert F. | 1411 Wake Forest Drive, #14, Davis, Cal., 95616, USA |
| MAKIBAYASHI, Isao | 2-864 Amamuma Omiya, Saitama, JAPAN |
| TAMBURRINO, Marijo | 1315 Stevens Dr., Mansfield, O., 44905, USA |
| WAGNER, Dr. W. H. Jr. | 721 Mt. Pleasant Ave., Ann Arbor, Mich., 48104, USA |

ADDRESS CHANGES

| | |
|------------------------------|--|
| ASTIN, Lt. Frederick G., Jr. | Box 7133, USAADS, Fort Bliss, Tex., 79916, USA |
| BELISEK, Joseph | Dept. Entomology, Univ. of Alberta, Edmonton 7, Alb., CANADA |
| BRIDGES, Charles A. III | SAC. Peak Observatory, Sunspot, N. Mex., 88349, USA |
| BURRIS, Daniel L. | 704 Country Club Dr., Tampa, Fla. 33612, USA |

| | |
|--------------------------|---|
| CAUWEL, A. J. Jr. | 1780 Aspen Grove Lane, Diamond Bar, Cal., 91766, USA |
| CHEHEY, Robert L. | 2203 Monte Vista Dr., Coeur d'Alene, Idaho, 83814, USA |
| EISELE, Rev. Robert C. | c/o Perry Beers, Trailer Haven, Davis St., Brunswick, Me., 04011, USA |
| GARRISON, Rosser W. | Star Rt. Box 500, Cave Creek, Ariz., 85331, USA |
| GATRELLE, Ronald R. | 35 Redding Rd., Apt. #6, Charleston Hts., S.C., 29405, USA |
| HADDAD, Russ J. | 3250 Oneil Circle, #12B, Boulder, Colo., 80302, USA |
| HOWE, William H. | 511 West Eleventh, Kansas City, Mo., 64105, USA |
| LEGGE, John A. Jr. | Box 70, Okotoks, Alb., CANADA |
| LIPES, Jack E. | c/o Mr. W. S. Quin, 5084 Lowell St., N.W., Washington, D. C., 20016, USA |
| MARTIN, Leland L. | 214 Wenner St., Box 4, Wellington, O., 44090, USA |
| McDANIEL, Mrs. Donald W. | Sunset Dr., RD 2, Beaver Falls, Pa., 15010, USA |
| OWEN, Wilfred D. | 1124 Tahoe Dr., Belmont, Cal., 94002, USA |
| PEACOCK, John W. | 185 Benzler Lust Rd., Marion, O, 43302, USA |
| PEARCE, James R. M. | 180 Arbor Court, Omaha, Neb., 68108, USA |
| PUDIM, Robert A. | 2901 Fifth St., Boulder, Colo., 80302, USA |
| RENNER, Miss Robin | 3455 N. Keating, Chicago, Ill., 60641, USA |

DISCONTINUED MEMBERS

| | |
|---------|--|
| Page 2 | Dr. J. G. Williams |
| Page 3 | Yusuru Akasaka, J. Okura |
| Page 6 | Jacques Cabesson, Capt. L. W. Burgess |
| Page 11 | Paul M. Catling, C. G. Majka, Ross K. Moon |
| Page 12 | Paul Martel, Ron R. Michaels, Edmund H. Sallee, David C. Tilden, Cecil H. Walker |
| Page 14 | George J. Crouchet |
| Page 15 | Richard Hart, Dr. R. B. Hewitt, Charles A. Hill, William Hovanitz |
| Page 16 | Billie Minasian, W. Scott Radcliffe, Ed Sampson |
| Page 17 | Alan R. Stephen |
| Page 18 | Cherry Corsa, Miss Deborah Field, Samuel L. H. Fuller |
| Page 19 | Kenneth R. Halscott, John W. Plomley, Dr. Robert W. Stenger |
| Page 20 | Jeannette M. Denby |
| Page 21 | J. David Loren, G. Allen Samuelson, Jerry Schloemer |
| Page 22 | Dr. Alfred C. Habeggar, Harding F. Huber |
| Page 24 | Mrs. Leon M. Larson, John T. Sorenson, Dennis V. Swanson, Dr. W. H. Wagner, Jr. |
| Page 25 | Donald W. Bowen |
| Page 26 | Jane Chopin, Tomothy Flick, Mrs. Harriet C. Maler |
| Page 27 | R. H. Ladwig, Lincoln Rogers, V. Herbert Sauter |
| Page 28 | Jim Oberfoell, Rory Stuart, Richard R. Tambassio, Paul Villiard, F. E. Warburton |
| Page 29 | C. Faye Bennett |
| Page 30 | Charles S. Bergson, Charles D. Custer, Mike Greiman, Fred Lawrence, William Neil, Stephen F. Perkins, Mrs. A. L. Praseau |
| Page 31 | Dr. J. C. Pearson, Mr. & Mrs. J. M. Prescott |
| Page 32 | Charles M. Burnett, Claude C. Platz |
| Page 33 | John B. Graf, Emily Henrikson, Wm. J. Kelly, Jr., Jon Pelham, Larry Schatz, Jan Roger Van Oosten, |
| Page 34 | Dale E. Buchan |

The above names are in the 1968 Membership List. Following have joined since that list was printed. Any of these will be listed as Reinstated Members should they later pay their dues.

John L. Behler, Jr., Brent D. Beam, Woodruff W. Benson, Miss Merle S. Bruno, Thomas G. Busch, Robbi Ciaffoni, Robert Cuppels, Vickie Lie Cutler, Robert L. Dalleske, Terhune S. Dickel, Joey Eliyas, Mr. E. M. Feaster, Perry Golnick, Pete Herd, Thos.

A. Hardlein, E. A. Kane, Robert M. Kiley, David T. King, Laura Lee Larimore, Christopher W. Leahy, Michael S. Lloyd, Donald J. Mecum, Dennis Murphy, Alvah Peterson, Jacques Plantrou, Terry Sears, Louise A. Srikel, Glenn D. Strickler, Don Sutherland, Philip Tates, James A. Wardell.

ANNUAL SUMMARY
Additions and Corrections

Zone I (page 6, line 5 under BUTTERFLIES): P. p. asterius should be form clarkei of P. b. rudkini.

Zone II (Page 8): Ed Gage reported taking Lim. archippus and L. lorquini near Richland, Wash., and also (July 6) two specimens of what appear to be archippus x lorquini at the same place.

Glenn Gorelick sent in a report early and it was overlooked when writing up the summary. Interesting items from it are: In British Columbia, north of Kimberly (7/12) he took A. glandon, L. lorquini burrisoni, C. oetus and pegala ssp. In Montana, St. Mary's Lake, Glacier Park (7/15) Parn. phoebus ssp., Spey. aphrodite ethne (?), M. palla calydon, and a moth, Alypia langtoni. At Avalanche Lake (7/16), Lyc. cupreus snowi, P. napi macdunnoughi and a moth, Androloma maccullochi. At Madison Recreation Area, 45 mi. N. of West Yellowstone (7/18), N. ridingsii, B. selene tollandensis, S. callipe gallatini, Pleb. shasta minnehaha, A. glandon rustica. In Oregon. 5 mi. N. of Bend (7/9), at lights, Apantesis ornata, Semiothisa colorate and Pseudanarta nr. falcata: and 17 mi. S. of Shaniko (7/10), Platyrepia guttata.

Zone III (page 10). "Records," etc., line 5, add "Stanford, Scott and Fisher all reported Amblyscirtes eos as a new state record."

Zone VIII (middle of p. 18), Clearwater Mountains. after "Maclaren Summit, "insert" (S) ! Upper Matanuska Valley, Papilio m. aliaska should be P. glaucus, and E. discoidalis (I) instead of "(P)."

Kenai-Chugach: B. frigga should be B. freiija.

A long report was received from the Ontario Entomologists Association for Ontario too late to be summarized.

NEWS NOTE

From Robert Wind we learn that an organization known as The American Association of Lepidopterists was formed at Berkeley, California about 1936. We have seen Vol. II, nos. 1, 4 and 5 of their publication issued in 1937 by the Pacific Coast Biological Service at Berkeley. We have no further information about it.

Maybe some of the old-timers can tell us more.

--Editor

The 15 April NEWS should have been marked Number 3.

Memoirs of the Lepidopterists' Society, Number 1 (Feb. 1964)
A SYNONYMIC LIST OF THE NEARCTIC RHOPALOCERA by
Cyril F. dos Passos

Price: Society members - \$4.50, others: \$6.00 postpaid (hard-cover binding \$1.50 additional)
Order from Society Treasurer.

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 (\$8.00 U.S.A.) together with full address and special Lepidopterological interests. Remittances in dollars (U.S.A.) should be made payable to The Lepidopterists' Society. Individual members will receive the JOURNAL (published quarterly) and the NEWS (Published eight times a year.) Institutional memberships will receive only the Journal. A biennial membership list will also be received. Back issues of the Journal may be obtained from the Treasurer. Information on membership in the Society may be obtained from the Treasurer, Stanley S. Nicolay, 1500 Wakefield Drive, Virginia Beach, Va., 23455 U.S.A. Changes of address should be sent to the Treasurer. Please DO NOT send requests for membership or change of address to the Editors of the NEWS or JOURNAL.

Other information about the Society may be obtained from the Secretary, Dr. John C. Downey, Department of Biology, University of Northern Iowa, Cedar Falls, Iowa, 50613, U.S.A.

Manuscripts for publication in the JOURNAL should be sent to the Editor of the JOURNAL, Dr. D. F. Hardwick, K. W. Neatby Bldg., Central Experimental Farm, Carling Ave., Ottawa, Ont., Canada.

Items for inclusion in the NEWS should be sent to the Editor of the NEWS, Dr. Charles V. Covell, Jr., Department of Biology, University of Louisville, Louisville, Ky., 40208, U. S. A.

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