

## RECENT LITERATURE ON LEPIDOPTERA

## B. SYSTEMATICS AND NOMENCLATURE

- d'Almeida, R. F., "Algunas considerações sobre os gêneros *Mechanitis* Fabr. e *Melinæa* Huebn. (Lep. Ithomiidae)" [in Portuguese]. *Bol. Mus. Nac. Rio de Janeiro*, no.100: 27 pp., 5 pls. 31 Jan. 1951. Describes as new *Mechanitis egaënsis obumbrata* (Alto Rio Juruá, Território do Acre), *M. travassosi* (Território do Acre), *M. oiticicai* (Obidos, Pará), *M. fallax pothetoides* (Rio Verde, Matto Grosso), *M. foxi* (Alto Rio Juruá, Território do Acre); *Melinæa mayi*, *M. acreana*, *M. bicetas eryx* (all Alto Rio Juruá, Território do Acre), *M. madeira æquatoriensis* (Ecuador). Also describes a variety of *Melinæa mænius*. Figures adults. Notes on related species and subspecies. Checklist of species and list of specimens examined. [P.B.]
- Brower, A. E., "Comments on the editorial 'The components of an adequate paper describing a new species.'" *Lep. News*, vol.6: pp.37-40. 8 Aug. 1952.
- Brower, A. E., "Three new species of Microlepidoptera (Olethreutidae, Glyphipterygidae and Yponomeutidae)." *Ann. Ent. Soc. Amer.*, vol.45: pp.95-98, 1 fig. Mar. 1953. Describes as new *Aphania paludicolana* (Southwest Harbor, Me.); *Hilarographa jonesi* (Martha's Vineyard, Mass.); *Argyresthia aureoargentella* (Mariaville, Me., bred from *Tbuja occidentalis*). Figures adults. [P.B.]
- Boursin, Ch., "Description de nouveaux *Leucania* d'Afrique tropicale et races marocaines de ceux-ci. (Lep. Phalænidae (Agrotidae) Hadeninae)" [in French]. *Ann. & Mag. Nat. Hist.*, ser.12, vol.5: pp.393-399, 3 pls. Apr. 1952. Describes as new: *L. joannisi* (Gambia); *L. j. arbia* (Sidi Oueddar, Morocco); *L. panæthiopica* (Tananarive, Madagascar); *L. p. palæarctica* (Salé, Morocco); *L. decaryi* (Tananarive, Madagascar). Figures adults and ♂ genitalia of these and some related spp. [P.B.]
- Bradley, J. D., "*Adoxophyes orana* (Fischer von Roesslerstamm, 1834) (Lepidoptera, Tortricidae)." *Entomologist*, vol.85: pp.1-4, 1 pl. Jan. 1952. Redescribes sp., figuring adult, venation, and genitalia; recent introduction in Britain. [P.B.]
- Capps, Hahn W., "A new genus and species associated with orchids from Mexico. (Lepidoptera: Chrysaugidae)." *Bull. So. Calif. Acad. Sci.*, vol.51: pp.1-3, 1 pl. 30 Apr. 1952. Describes as new *POTOSA rufofascialis* (Maiz, San Luiz Potosi). [P.B.]
- Clarke, J. F. Gates, "Host relationships of moths of the genera *Depressaria* and *Agonopteryx*, with descriptions of new species." *Smithson. Misc. Coll.*, vol.117, no.7: 20 pp., 6 pls. 23 Apr. 1952. Describes as new *D. angelicivora* (McDonald Pass, Montana); *D. pteryxiphaga* (Ten Sleep, Wyoming); *D. armata* (Slate Peak, Whatcom Co., Washington); figures genitalia. Lists food plants of these spp. and 9 others from the western U. S., and discusses host specificity in the genera. [P.B.]
- Collenette, C. L., "Notes on the genus *Lacipa* Walker (Heterocera, Lymantriidae)." *Ann. & Mag. Nat. Hist.*, ser.12, vol.5: pp.383-390, 11 figs. Apr. 1952. Describes as new: *L. pulverea ephala* (Dar-es-Salaam, Tanganyika); *L. sexpunctata leuca* (Marungu Plateau, Tanganyika); *L. megalocera* (Ft. Crampel, French Congo); *L. newei* (Mt. Mlanje, Nyasaland); *L. elgonensis* (Mt. Elgon, Uganda); *L. compta* (Mansya R., N. E. Rhodesia); *L. exetastes* (Zomba, Nyasaland). Figures ♂ genitalia of these and several others. Key to most of the known spp., and notes on the remaining five. [P.B.]
- Field, William D., "Moths of the genus *Paramulona* Hampson." *Proc. U. S. Nat. Mus.*, vol.101: pp.489-496, 2 figs. 1951. Describes as new: *P. baracoa* (Baracoa, Oriente, Cuba); *P. schwarzi* (Cayamas, Sta. Clara, Cuba). Figures genitalia of all four spp. of this endemic genus, and gives a key to them. [P.B.]
- Kuhn, Oskar, "Ein vermutlicher Schmetterling, *Geisfeldiella benkertii* n.g. n.sp. aus dem Lias, Nordfrankens" [in German]. *Neues Jahrb. f. Geol. u. Paläont.*, Jahrg. 1951: pp. 58-61, 2 figs. 1951. New genus and species named from one fossil wing taken from the Lias near Geisfeld, Germany. Photo not clear; drawing partly imaginative. Specimen probably not Lepidoptera. [C.R.]

## F. BIOLOGY AND IMMATURE STAGES

- Evans, William H., "Notes on *Anthocaris sara* and *reakirti*." *Lep. News*, vol.6: p.106. 19 Feb. 1953.
- Raffy, Anne, "L'auto-stérilization chez les chrysalides de *Bombyx mori* L." [in French]. *C. R. Acad. Sci.*, vol. 231: pp. 1345-1346. 6 Dec. 1950. Intestinal bacteria of larvae disappear shortly after pupation; cause unknown, but no antibiotic substance was found. [P.B.]

- del Rivero, J.M., "Contribución al conocimiento de los medios de lucha contra la "Piral" de la vid (*Sparganothis pilleriana* Schiff.)" [in Spanish]. *Bol. Patol. Veg. Ent. Agric.*, vol. 17: pp. 261-290, 11 figs. 1950. Biology and control; all stages figured. [P.B.]
- Rosier, J.P., "Metamorphosis of some Javanese butterflies." *Idea*, vol. 9: p. 26. 31 Dec. 1951. Notes on life history of *Poritia erycinoides* Feld. (Riodinidæ). [A.D.]
- Ruiz Castro, Aurelio, "La lucha contra las plagas del viñedo en Espana" [in Spanish]. *Bol. Patol. Veg. Ent. Agric.*, vol. 17: pp. 111-162., 23 figs. 1950. Lists 17 Lepidoptera attacking grapes; biology and control of *Celerio lineata*, *Sparganothis pilleriana*, *Polycbrosis botrana* and *Clysia ambiguella*. [P.B.]
- Sala, Frank P., "Field notes on diurnal moths of the genus *Annaphila*." *Lep. News*, vol. 4: p. 71 "1950" [Mar.1951].
- Schultz, Victor G.M., "Neue Beiträge zur Schmetterlingskunde. Nr. 10. Über *Homæosoma pseudonimbellum* Bentinck (erste Stände und Generationsfolge) (Lep. Pyralidæ)" [in German]. *Z. Wiener Ent. Ges.*, vol. 62: pp. 55-59, 1 fig. 30 June 1951.
- Schwartz, Rudolph, "Sur la polyphagie de *Coleophora onopordiella* Z." [in Czech, French summary]. *Ann. Soc. Ent. Cechosloveniae*, vol. 47: pp. 177-186, 2 pls. 1 Oct 1950. Records the species from 7 spp. of plants besides *Onopordon*. [P.B.]
- Sevastopulo, D.G., "Field notes from East Africa (11)." *Entomologist*, vol. 83: pp. 209-211. Sept. 1950.
- Sevastopulo, D.G., "Food plant of *Delias eucharis* Drury." *Journ. Bombay Nat. Hist. Soc.*, vol. 49: p. 571. Dec. 1950. Normally *Loranthus* sp.; recorded from *Citrus*. [P.B.]
- Sevastopulo, D.G., "Field Notes from East Africa (5)." *Entomologist*, vol. 84: pp. 67-68. Mar. 1951. Notes on 19 spp. of Lymantriidæ. [P.B.]
- Showler, A.J., "Oviposition of *Argynnis euphrosyne*." *Entomologist*, vol. 84: pp. 140-141. June 1951. Oviposition random on objects near food plant. [P.B.]
- Skala, Hugo, "Minen aus Steiermark, gesammelt von Fritz Hoffman" [in German]. *Z. Wiener Ent. Ges.*, vol. 62: pp. 119-126. 1 Aug. 1951. List of mines of Lepidoptera etc., by host plant. [P.B.]
- Smith, Kenneth M., & Ralph W.G. Wyckoff, "Structure within polyhedra associated with insect virus diseases." *Nature*, vol. 166: pp. 861-862, 5 figs. 18 Nov. 1950. Diseases studied in various caterpillars. [P.B.]
- Stallwood, B.R., "Observations on the oviposition of *Fabriciana cydippe*." *Entomologist*, vol. 84: p. 29. Feb. 1951. On twigs near food plant. [P.B.]
- Swezey, Otto H., "Notes on the occurrence and biology of the Honeysuckle Leaf Miner, *Swezeyula lomiceræ*, in Hawaii." *Proc. Hawaiian Ent. Soc.*, vol. 14: pp. 197-200, 5 figs. Mar. 1950. Describes and figures early stages; records 3 parasites. [P.B.]
- Thompson, Clarence B., "A granulosis of the Imported Cabbageworm." *Journ. Econ. Ent.*, vol. 44: p. 255. Apr. 1951. *Pieris rapæ*.
- Tressens, F., "Notes biologiques et captures" [in French]. *Rev. Franç. Lépid.*, vol. 12: p. 215. "Jan.-Feb." [12 July] 1950. Butterflies, Tarn-et-Garonne.
- Valkeila, Erkki, "Notes on the Lepidoptera of Hameelinna and its neighborhood (EH)" [in Finnish, English summary]. *Ann. Ent. Fennici*, vol. 15: pp. 157-160, 2 maps. 14 Jan. 1950. Notes on biology and distribution of *Nonagria maritima*, *Sideridis obsoleta* and *Toxocampa vicæ*; some other records, mostly Noctuidæ. [P.B.]
- Various authors, "Notes and exhibitions." *Proc. Hawaiian Ent. Soc.*, vol. 13: pp. 199-222, 319-341; vol. 14: pp. 1-20, 203-227. Apr. 1948, Mar. 1949, Mar. 1950, Mar. 1951. Notes on occurrence and biology of Hawaiian insects, including many Lepidoptera. [P.B.]
- Williams, J.R., "The bionomics and morphology of *Brentbia leptocosma* Meyrick (Lep. Glyphipterygidæ)." *Bull. Ent. Res.*, vol. 41: pp. 629-635, 13 figs. Feb. 1951. Habits and morphology of all stages are described. 9 parasites are listed. Food plant *Cordia* spp. Moth confined to Mauritius. [P.B.]
- Woodroffe, G.E., "A life-history study of the Brown House Moth, *Hoffmannophila pseudospretella* (Staint.) (Lep., Cœphoridæ)." *Bull. Ent. Res.*, vol. 41: pp. 529-553, 3 pls., 5 figs. Feb. 1951. Morphology and biology of all stages are described in detail, with special reference to diapause, effects of temperature and humidity, and ♀ longevity and fecundity. 3 predators and 4 parasites are recorded. Moth is omnivorous. [P.B.]