

RECENT LITERATURE ON LEPIDOPTERA

Under this heading are included abstracts of papers and books of interest to lepidopterists. The world's literature is searched systematically, and it is intended that every work on Lepidoptera published after 1946 will be noticed here. Papers of only local interest and papers from this *Journal* are listed without abstract. Readers, not in North America, interested in assisting with the abstracting, are invited to write Dr. P. F. Bellinger (Department of Biological Sciences, San Fernando Valley State College, Northridge, California, U.S.A.). Abstractor's initials are as follows:

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B. SYSTEMATICS AND NOMENCLATURE

- Tremewan, W. G., & W. B. L. Manley, "Notes on species of the genus *Zygaena* Fabricius (Lepidoptera: Zygaenidae) from south-west France and Spain, with descriptions of new subspecies." *Ent. Rec. & Jour. Var.*, 77: 3-11. 1965. Describes as new *Z. fausta fassnidgei* (Jaca, Spain, 2,700 feet), *Z. occitanica huescacola* (Sierra de la Pena, Huesca, 3,600 feet), *Z. loti soriicola* (Abejar, Soria, 3,300 feet), *Z. hippocrepidis marujae* (Jaca, Huesca, 2,700 feet); also 1 "form" & 1 "ab." Records of 28 other populations. [P. B.]
- Urbahn, Ernst, "Neue Untersuchungen zur Klärung der *Aricia agestis* Frage nach Beuret (Lycaenidae)" [in German]. *Mitteilungsbl. Insektenkunde*, 5: 101-107. 1961. The distinguishing characteristics of *A. agestis*, *A. allous*, & *A. montensis* are given. [J. M.]
- Urbahn, Ernst, "Genitalvariabilität bei *Hydraecia nordstroemi* Horke (Lep. Noct.*)" [in German]. *Deutsche ent. Zeitschr.*, N.F., 9: 264-270, 10 figs. 1962. Compares *H. nordstroemi* with *petasitis*, *micacea*, & *amurensis*, figuring genitalia of both sexes. The first sp. is uniform in Scandinavia, but variable in size, pattern & genitalia in its Asiatic range. [P. B.]
- Vári, L., "Neue afrikanische Microlepidoptera" [in German]. *Deutsche ent. Zeitschr.*, N.F., 10: 1-12, 1 pl., 19 figs. 1963. Describes as new *Microsetia parilis* (Little Akaki R., Ethiopia; on *Achyranthes aspera*), *M. isocharis* (Louis Trichardt, Transvaal; on *A. aspera*), *M. mimetis* (Drummond, Natal; on *A. aspera*); *Stomphastis heringi* (Little Akaki R., Ethiopia; on *Croton macrostachys*); *Metriochoera carissae* (Little Akaki R.; on *Carissa edulis*), *M. scotinopa* (Dabra Zeit, Ethiopia; on *Dregea schimperii*); *Porphyrosela homotropha* (Little Akaki R.; on *Glycine javanica*). Transfers *Scobipalpa turgida* to *Ephysteris* (foodplant *Balanites aegyptiaca*). Records foodplants of *Dialectica carcharota* (*Cynoglossum hochstetteri*) & *Acrocercops chretiae* (*Ehretia cymosa*). [P. B.]
- Varin, G., "Les sous-espèces françaises d'*Hipparchia fagi* Sc., *alcyone* Denis et Schiff. et *neomiris* God. (Satyridae)" [in French]. *Alexandor*, 2: 313-324. 1962. Subspecies of these satyrids in France. Description of *H. f. fuxiensis* (western Pyrenees, Médine) & *H. a. faronica* (Var, Mont Faron) named by the author as "sous-race" of *H. a. sogdiana*. [P. V.]
- Vartian, Eva A., "Eine neue *Celama* Hb. aus Afghanistan (Lepid., Nolidae)" [in German]. *Zeitschr. wiener ent. Ges.*, 48: 131-132, 3 figs. 1963. Describes as new *C. kreuteli* (Paghman, 30 km. NW of Kabul, 2,100 m.). [P. B.]
- Viette, P., "Les Epipyropides de Madagascar (lépidoptères parasites)" [in French]. *Lambillionea*, 60: 41-46, 2 figs. 1960. Describes as new *Epipyrops grandidieri* (W. Madagascar, Antsalova district, Andobo, Antsingy Forest, 190 m.), *E. radama*

- (central Madagascar, Ambatolampy district, Ampolomita, E. of Belanitra, 1,400 m.). Note on locality of *E. malgassica*. Reviews literature on the family. [P. B.]
- Viette, P., "Description d'un nouvelle *Apaturopsis* de Madagascar (Lep. Nymphalidae Apaturinae)" [in French]. *Bull. Soc. zool. France*, 86: 670-672, 2 figs. 1961. Description of the new nymphalid *A. paulianii* (S.W. Madagascar, Analavelona Mts.). [P. V.]
- Viette, P., "Descriptions préliminaires de nouvelles espèces de noctuelles de Madagascar, IV (Lep. Noctuidae)" [in French]. *Bull. Soc. ent. France*, 66: 42-54. 1961. Preliminary descriptions of Noctuidae from Madagascar: *Ochropleura marojejy* (Marojejy Mts.); *Timora pauliani* (Antsingy Forest); *Omphalestra herbuloti* (Betsileo Land); *FLETCHERA* (Cucullinae), & type *F. pauliani* (Betsileo Land), *F. humberti* (Marojejy Mts.), *F. pratti* (Perinet), *F. perrieri* (Andringitra Mts.); *TUNOCARIA* (Cucullinae), & type *T. rubiginosa* (Ambre Mt.); *Eutamias milloti* (Lakato Road); *KENRICKODES* (Amphipyridae) (type species: *Perigea rubidata* Kenrick); *Athetis radama* (Ambre Mt.); *Ethioterpia toulgoeti* (Nossi-bé); *Selenistis pauliani* (Ampanihy); *DECARYNODES* (Amphipyridae), & type *D. ankasoka* (Lakato Road); *Procrateria malagassa* (Befasy Forest); *Epicausis griveaudi* (Betsileo Land). [P. V.]
- Viette, P., "Les Noctuidae Hyblaeinae de Madagascar (Lep.)" [in French]. *Bull. mens. Soc. linn. Lyon*, 30: 191-194. 1961. Study of the three spp. of Hyblaeinae from Madagascar. Describes as new *H. paulianii* (W. Madagascar, Antsalova) & *H. madagascariensis* (W. Madagascar, Ankarafantsika). [P. V.]
- Viette, P., "Les Yponomeutidae de la faune de France (Lépidoptères)" [in French]. *Entomologiste*, 16: 102-106. "1960" [1961]. List of the species for the fauna of France according to the revision of the palearctic Yponomeutidae by G. Fries (1960). [P. V.]
- Viette, P., "Noctuelles quadrifides de Madagascar nouvelles ou peu connues" [in French]. *Mém. Inst. scient. Madagascar, (E)*, 2: 171-190, 1 pl., 5 figs. "1961" [1962]. New or little-known quadrifids from Madagascar. Describes as new: *Corgatha neona* (E. Madagascar, Perinet), *C. funebris* (Perinet), *C. roseocrea* (E. Madagascar, Anosibe Road); *Cerynea veterata* (Perinet), *C. oblops* (Perinet); *Sophtha rimosa* (Perinet), *S. peroma* (Anosibe Road), *S. mazoatra* (Perinet), *S. incerta* (Perinet), *S. microplexia* (E. Madagascar, Integral Natural Reserve 3); *Hypersophtha priscata* (Anosibe Road); *Hypobletha festiva* (Perinet), *H. fatua* (central Madagascar, Betsileoland), *H. viettei orientalis* (Anosibe Road) (Jaspidiinae = Erastrinae); *Herpeperas tanda* (Integral Natural Reserve 3), *H. atra* (same); *Catalana sandrangato* (Anosibe Road); *Rhoesena helcida* (Perinet) (Othreinae); *Olybama inversa* (E. Madagascar, Itavaviana), *O. incerta* (Perinet), *O. discoidea* (Anosibe Road); *Progonia boisduvalalis* (Anosibe Road); *Adrapsa luma* (Perinet). [P. V.]
- Viette, P., "Nouveaux Lasiocampidae de Madagascar (Lep.)" [in French]. *Bull. mens. Soc. linn. Lyon*, 31: 215-227. 1962. Descriptions of new Lasiocampidae from Madagascar: *Chrysopsyche pauliani* (S. of Morondava); *Raphipeza pratti* (Perinet), *R. perineti* (same), *R. turbata orientalis* (same); *Lechriolepis ramdimby* (Midongy du Sud), *L. fulvipuncta* (Itavaviana); *Closterothrix goudoti* (Ranomafana), *C. insularis* (Lakato Road), *C. nigrosparsata* (Sakaraha); *Odontocheilopteryx malagassy* (Perinet), *O. meridionalis* (Morombe); *Schausimna goliath* (Midongy du Sud); *Ochanella hova* (Ankaratra Mts.), *O. virginalis* (Tuléar); *Libethra aurantiaca* (Ankarafantsika), *L. ochracea* (same), *L. sparsipuncta* (Antsalova); *Borocera tamsi* (Tananarive). No figures. [P. V.]
- Viette, P., & P. Griveaud, "Nouvelles espèces malgaches de noctuelles quadrifides (Lépidoptères)" [in French]. *Bull. Acad. malgache*, 38: 53-62, 14 figs., 1 pl. "1960" [1962]. Descriptions of new quadrifid noctuids from Madagascar: *Ulotrichopus marmoratus* (Andringitra Mts.); *Cerocala vermiculosa megalesia* (Far South, Ambovombe), *C. decaryi* (same), *C. subrufa* (Ankarafantsika area, Ampijoroa) (Catocalinae); *Tariodes virgata* (Ampijoroa); *Bemra jucunda* (Faraony

- Valley, Vohilava); *Paralephana umbrata* (Anosibe Road); *Parathermes brunneos-persus* (Sakaraha); *Khadira formosa* (Ampijoroa) (Othereinae). [P. V.]
- Wakely, S., "Notes on *Tinea turicensis* Mull.-Rutz (*metonella* Pierce)." *Ent. Rec. & Jour. Var.*, 74: 92-93. 1962. Taxonomic history; record from England, feeding in fur and feathers. [P. B.]
- Wangermez, J., "Les hyponomeutes de France" [in French]. *Proc.-verb. Soc. linn. Bordeaux*, 97: 29-35, 1 pl. 1958. Study of the species of *Yponomeuta*, chiefly according to Toll (1941), and essay of a key to the species. [P. V.]
- Warnecke, Georg, "Die Verbreitung von *Ogygia forcipula* Hübner und von *O. nigrescens* Höfner in Deutschland und einigen Nachbargebieten (Lep. Noct.)" [in German]. *Nachrichtenbl. bayer. Ent.*, 10: 119-123, 3 figs. 1961. Distinguishes these spp. (external characters & genitalia); maps central European records. [P. B.]
- Warnecke, Georg, & Karl Cleve, "*Noctua (Triphaena) orbona* Hufn.: Die gelbe Bandeule mit schwarzen Costalfleck de Vorderflügel" [in German]. *Zeitschr. wiener ent. Ges.*, 48: 212-216. 1963. Discussion of application of the name *orbona*, agreeing with Boursin & opposing Hydemann's opinion that *orbona* = *comes*. [P. B.]
- Warren, B. C. S., "*Erebia melas carpathicola* Popescu-Gorj & Alexinschi (Lep. Satyridae) in west Transylvania." *Entomologist*, 94: 171-172. 1961. New record & descriptive notes. [P. B.]
- Warren, B. C. S., "The androconial scales and their bearing on the question of speciation in the genus *Pieris* (Lepidoptera)." *Ent. Tidskr.*, 82: 121-148, 72 figs. 1961. Describes as new *P. higginsi* (Haji Omran, Iraq, 5,000-5,500 ft.). Describes these scales in spp. of *rapae*, *napi*, & *melete* groups, and in races of *P. napi* & *P. bryoniae* especially. The former "races" *leucosmoa*, *dulcinea*, *japonica*, *pseudorapae*, *segonzaci*, *venosa*, *narina*, *nesis*, & *orientis* are regarded as specifically distinct. The independence of *P. napi* & *P. bryoniae* is supported by the tendency to abnormality in the androconia of hybrids, while these scales in *P. n. napi* × *P. n. adalwinda* hybrids are intermediate and normal. Seasonal variation in *P. b. "flavescens"* from Hasli Tal, Switzerland, is described from bred specimens. *P. napi* is considered entirely palearctic; North American races belong to *bryoniae* or to *venosa* (including *virginiensis*). [P. B.]
- Warren, B. C. S., "Some overlooked details from Hohenwarth's description of his *Papilio cassioides*. (Lep., Satyridae)." *Ent. Rec. & Jour. Var.*, 74: 53-56. 1962. Reemphasizes that *cassioides* (= *nivalis*) is round-winged from Glockner region; discusses *dolomitensis* & other races in this complex. [P. B.]
- Warren, B. C. S., "*Pieris bryoniae dubiosa* Rober, and notes on variation in the androconia of *Pieris* species." *Ent. Rec. & Jour. Var.*, 75: 125-129, 1 pl. 1963. Refers *dubiosa* to *P. bryoniae* on the basis of androconial structure, and discusses variation and taxonomic importance of these scales in *P. napi*, *P. bryoniae*, their hybrids, etc. [P. B.]
- Warren, B. C. S., "The androconial scales in the genus *Pieris*. 2. The nearctic species of the *napi* group." *Ent. Tidskr.*, 84: 1-4, 1 pl. 1963. On the basis of subtle differences in these scales, treats *hulda*, *pseudobryoniae*, & *frigida* as spp. of *P. bryoniae*, and *marginalis* as a ssp. of *P. napi*; *P. oleracea*, *P. mogollon*, *P. venosa*, & *P. virginiensis* are regarded as probably derived from an ancestor like *P. narina*. [P. B.]
- Warren, B. C. S., "Notes on the affinities and distribution of various pierid species, derived from a study of the androconial scales." *Ent. Rec. & Jour. Var.*, 77: 121-129. 1965. Redefines *P. pseudorapae* & distinguishes it from *P. higginsi*. Notes on various populations & broods of *P. bryoniae*, & on various hybrids involving this sp., and on *P. segonzaci* & *P. rapae*. [P. B.]
- Wiesmann, L., & D. Povolny, *Mol repny (Scrobipalpa ocellatella* Boyd). 180 pp., 8 pls. Bratislava: Slovak Academy of Sciences. 1960. [Price 10.70 Kčs]. A useful

- book on the Sugar-Beet Moth, its life history, taxonomy, and control. The sp. was observed in Southern Czechoslovakia. All methods of its control are described. In Slovak with summaries in Russian, English, & German. [J. M.]
- Whalley, Paul E. S., "A new species of *Midila* from S. America (Lep. Pyralidae). *Midila sulphurata* sp. nov." *Agros*, Pelotas, 10: 47-48, 1 pl. 1957. Type locality Alto da Serra, S. Paulo, Brazil. [P. B.]
- Whalley, Paul E. S., "*Cadra woodiella* R. & T., a synonym of *C. parasitella* Staud. (Lep., Pyralidae)." *Ent. Gazette*, 12: 113. 1961. Selects lectotype of *C. parasitella*. [P. B.]
- Whalley, Paul E. S., "*Chrysocrambus cornutellus* Pierce, 1938, a synonym of *C. sardiniellus* Turati, 1911 (Lep., Crambinae)." *Ent. Gazette*, 12: 76. 1961.
- Whalley, Paul E. S., "*Euzophera osseatella* Treitschke (Lep., Phycitinae) on potatoes imported from Egypt to Scotland." *Ent. Gazette*, 14: 100. 1963. Sinks *E. arcuatella* to *E. osseatella* & *E. stramentella* to *E. villora*; selects lectotypes. [P. B.]
- Whalley, Paul E. S., "The status of *Myelois neophanes* (Phycitinae) in England." *Jour. Lepid. Soc.*, 17: 39. 1963.
- Whalley, P. E. S., & M. W. F. Tweedie, "A revision of the British Scoparias (Lepidoptera: Pyralidae)." *Ent. Gazette*, 14: 81-98, 12 pls. 1963. Divides the 14 British spp. between *Scoparia* (type *pyralella*) & *Witlesia* (type *pallida*). Annotated catalogue including all "forms," with figures of wings. [P. B.]
- Wiltshire, E. P., "A new genus, eight new species, seven new forms, and notes on Lepidoptera of Saudi Arabia, Bahrain, and Iran." *Jour. Bombay nat. Hist. Soc.*, 58: 608-631, 4 pls., 3 figs. 1961. Actually 10 new species are described. Describes as new: *Celama harouni dilmuna* (Bahrain; foodplants: *Prosopis stephaniana*, trefoil); *Victrix sassanica* (SW Iran, Fars, Pireh-Zan, 7,000 ft.); *Cryphia polyphaenoides* (Bahrain, Adari Pool Gardens); *Porphyrinia rushi* (Bahrain, near Amar, southern desert), *P. bistellata* (same locality), *P. pallidula khalifa* (Bahrain, desert), & new "form"; *Catocala timur richteri* (S. Iran, Iranshahr, 800 m.); *Araumeta asiatica* (S. Iran, Khuzistan, Ahwaz, 400 ft.), *A. eberti zaza* (S. Arabia, Sawada), *A. arabiae* (Arabia, Nejd, Dahana, Awania); *Armada fletcheri* (SW Iran, Kuzistan, Ahwaz, 200 ft.); *RIADHIA*, & type *R. diehli* (Saudi Arabia, Riadh); *Lygephila fereidum* (N. Iran, Elburz Mts., Lar Valley, 9,000 ft.); *Antarchaea pyralomina* (Saudi Arabia, El Riadh); *Rhynchodontodes orientis richteri* (S. Iran, Makran, Tiz near Putab). Transfers *Lambessa gibbonsi* to *Beralade* & names new "ab."; new synonymy of *Euproctis cervina*; sinks *Porphyrinia tomentalis* to *P. bulla*. [J. D.]
- Wiltshire, E. P., "Notes on neotropical Lepidoptera. I. The early stages and comparative morphology of two species of *Dyops* (Noctuidae) hitherto confused." *Jour. Lepid. Soc.*, 16: 47-54, 1 pl., 3 figs. 1962.
- Wolff, L. Niels, "Zur Identifizierung einiger dänischen, von A. Caradja als nov. spp. erwähnten, Lepidopteren" [in German; Russian & Rumanian summaries]. *Trav. Mus. Hist. nat.* "Gr. Antipa," 2: 183-188, 4 figs. 1960. *Lithocolletis coryli* Nic. (= *L. danica* Caradja), *L. maestingella* Zell. (= *L. hedemanni* Caradja); *Parornix anglicella* Stt. (= *P. rubiella* Caradja), *P. scoticella* St. (= *P. cotoneastri* Rbl. in litt. in Caradja 1920); new synonymy. [J. M.]
- Wolff, Niels L., "*Horisme corticata* Tr. (Lepid. Geom.) fundet i Danmark" [in Danish; English summary]. *Ent. Meddelelser*, 31: 21-26, 2 figs. 1961. New record. ♂ genitalia of *corticata*, *aquata*, *tersata*, & *vitalbata* figured. [P. B.]
- Wyatt, Alex K., "A new subspecies of *Holomelina aurantiaca* from Virginia (Arc-tiidae)." *Jour. Lepid. Soc.*, 17: 100-102, 2 figs. 1963. Correction, 18: 118. 1964. Describes as new *H. a. buchholzi* (Suffolk, Virginia).
- Wyatt, Colin W., "Zwei für das paläarktische Faunengebiet neue Tagfalterarten" [in German]. *Zeitschr. wiener ent. Ges.*, 46: 97-100, 1 pl. 1961. Describes as new *Clossiana alberta kurenzovi* (Tschukotka Mts., NE Siberia), *C. distincta tshukotkensis* (same locality). [P. B.]