

## 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; omissions of papers more than 3 or 4 years old should be called to Dr. BELLINGER's attention. New genera and higher categories are shown in CAPITALS, new species and subspecies are noted, with type localities if given in print. Larval foodplants are usually listed. Critical comments by abstractors may be made. Papers of only local interest and papers from this *Journal* are listed without abstract. Readers, not in North America, interested in assisting with this very large task, are invited to write Dr. P. F. BELLINGER (Dept. of Natural Sciences, San Fernando Valley State College, Northridge, Calif., U. S. A.). Abstractors' initials are as follows:

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### B. SYSTEMATICS AND NOMENCLATURE

- de Toulgoet, H., "Arctiides nouveaux de Madagascar et de l'Île Maurice" [in French]. *Mém. Inst. scient. Madagascar, ser. E.* vol.5: pp.169-217, 2 pls., 27 figs. 1954. Description of new spp. of arctiids from Madagascar and one from Mauritius: *Raselia nanula* (Maroantsetra), *R. costisquamosa* (same), *R. biangulata* (Ankaratra Mt.), *R. venustula* (same), *R. heterocosta* (same), *R. mediofracta* (same); *Nola parmelia* (same); *Eilema tristis* (same), *E. lividula* (same), *E. leucanicula* (Maroantsetra), *E. vicinula* (Ankaratra Mt.), *E. purpureotincta* (same), *E. carbunculosa* (same), *E. sabulosula* (Maroantsetra), *E. obtusoides* (Tananarive), *E. ankaratræ* (Ankaratra Mt.), *E. tortrix* (Maroantsetra), *E. viettei* (Mauritius), *E. trispilota pulviger* (Tananarive), *E. punctistriata instabilis* (Ankaratra Mt.), *E. kingdoni monticola* (same); *Chionaema pauliani* (same); *Philenora falcata* (same), *P. olivascens* (same), *P. lichenaria* (same), *P. herbuloti* (same), *P. perlucida* (same), *P. flavicapilla* (same), *P. bilineata* (same); *Nolosia griseovariegata* (same); *Siccia decolorata* (same); *Diacrisia luteoradians* (same), *D. viettei* (same), *D. milloti* (Tananarive), *D. cellularis* (Maroantsetra); *Digama malgassica* (Ankaratra Mt.). [P. V.]
- de Toulgoet, H., "Description d'arctiides nouvelles de Madagascar, Lepidoptera, neuvième note" [in French]. *Bull. Acad. malgache*, n.s., vol.35: pp.79-88, 1 pl., 7 figs. "1957" [1959]. Description of new species of *Phryganopteryx*, an endemic genus of arctiids in Madagascar: *P. occidentalis* (Andobo, Antsingy forest), *P. convergens* (Anosibe, Sandrangato forest), *P. griveaudi* (Ankarafantsika), *P. formosa* (Didy), *P. rothshchildi* (Perinet, Analamazoatra forest), *P. nebulosa* (same), *P. sogai* (Integral Natural Reserve no.3), *P. triangularis* (Ankarafantsika). [P. V.]
- de Toulgoet, H., "Description d'arctiides nouvelles de Madagascar (10e note) (Lep.)" [in French]. *Ann. Soc. ent. France*, vol.128: pp.121-140, 23 figs., 1 pl. 1959. Description of new genera & spp. from Madagascar: VIETTESIA (type *Coracia plumicornis* Butler), *V. hamptoni* (Perinet), *V. proxima* (same), *V. incerta* (same), *V. multistrigata* (Ambatondrazaka), *V. æqualis* (Perinet), *V. modesta* (same), *V. viettei* (Ankaratra Mts.), *V. bimaculosa* (Perinet), *V. ornatrix* (Fanovano), *V. lucida* (Perinet), *V. virginalis* (Ampitameloka), *V. transversa* (same), *V. bella* (Betsileo country), *V. tristis* (Anosibe), *V. luctuosa* (Ampolomita), *V. perroti* (Madagascar), *V. infuscata* (Tananarive), *V. erastroides* (Ifanadiana), *V. rufibasis* (Perinet), *V. brunneomixta* (Betsileo country), *V. unipuncta* (Ampolomita); PROXHYLE (type *Asura vadoni* Toulgoet), *P. cinerascens* (Perinet), *P. comoreana* (Comoro, Mayotte). [P. V.]

- de Toulgoet, H., "Description d'arctiides nouvelles de Madagascar (Lepid.) (11e note)" [in French]. *Naturaliste malgache*, vol.11: pp.111-121, 6 figs., 1 pl. "1959" [1960]. Descriptions of new arctiids from Madagascar: *Agylla madagascariensis* (Didy forest); *Eilema griveaudi* (Anosibe road), *E. suspecta* (Integral Natural Reserve no.3), *E. fulminans* (Ampolomita), *E. cohabitans* (Antsingy forest), *E. iluopsis* (Perinet), *E. hamptoni* (Integral Natural Reserve no.3), *E. notifera antifer a antsalova* (Antsingy forest), *E. argentea infuscata* (Antsingy forest), *E. obtusoides sakalava* (Antsingy forest). [P. V.]
- de Toulgoet, H., "Description d'une nouvelle arctiide marocaine: *Eilema rungsi* n.sp. (Lep. Lithosiidae)" [in French]. *Bull. Soc. ent. France*, vol.65: pp.48-49, 2 figs. 1960. Description of *E. rungsi* from Morocco: Merdja Bokka. [P. V.]
- Tremewan, W. G., "Notes on species of the genus *Zygæna* Fabricius." *Ent. Gazette*, vol.9: pp.183-185. 1958. Describes as new *Z. pudpuralis pseudodiaphana* (Karacabey, Brussa, Asia Minor). Lectotypes are selected for some races of *Z. diaphana*, *Z. palustris*, & *Z. trifolii*, with some new synonymy. Regards *Z. pimpinellæ* as a race of *Z. diaphana*. [P. B.]
- Tremewan, W. G., "Notes on the British species of the genus *Zygæna* Fabricius." *Ent. Gazette*, vol.9: pp.187-196. 1958. Describes as new *Z. purpuralis segontii* (Abersoch, Wales); also a "f. loc." Notes on identity of British races of *purpuralis*, *exulans*, *loti*, *viciæ*, *filipendulæ*, *loniceræ*, & *trifolii*, with some new synonymy. [P. B.]
- Tremewan, W. G., "A new genus for *Zygæna simonyi* Rebel, Lepidoptera, Zygænidæ." *Entomologist*, vol.92: pp.213-217, 4 figs. 1959. Describes as new *REISSITA* (type *simonyi*), *R. s. yemenicola* (Jebel Masrah, 8,400 ft., Yemen). *R. sylvicæ* (same locality). [P. B.]
- Tremewan, W. G., "*Procris globulariæ* Hübner: an historical note and the provision of a neotype." *Entomologist*, vol.92: pp.116-119, 1 pl. 1959. Discusses taxonomic history & synonymy of this sp. & related spp. Neotype, figured, is in the British Museum. [P. B.]
- Tremewan, W. G., "Two new species of Chalcosiinæ from India (Lep.; Zygænidæ)." *Entomologist*, vol.92: pp.254-256, 4 figs. 1959. Describes as new *Hampsonia bifasciata* (Tudah, near Darjeeling, 5000 ft.); *Soritia sevastoploi* (same). [P. B.]
- Tremewan, W. G., "Additional notes on the British species of the genus *Zygæna* Fabricius (Lep., Zygænidæ)." *Ent. Gazette*, vol.11: pp.185-194. 1960. Describes as new *Z. filipendulæ anglicola* (Tring, Hertfordshire), *Z. loniceræ insularis* (Armagh, Ireland). Survey of some British races and local populations. [P. B.]
- Tremewan, W. G., "The British species of the genus *Procris* Fabricius (Lep., Zygænidæ)." *Ent. Gazette*, vol.12: pp.19-23, 2 pls. 1961. Describes *P. statures*, *P. geryon*, & *P. globulariæ*, their variation, & their biology; figures genitalia & ♂ antennæ. [P. B.]
- Van Emden, F. I., "The taxonomic significance of the characters of immature insects." *Annual Rev. Ent.*, vol.2: pp.91-106. 1957. Review includes some references to Lepidoptera. [P. B.]
- Van Son, G., "A new African genus of the subfamily Satyrinæ." *Lepid. News*, vol.12: p.6. 1958. Describes as new *CENYROPSIS* (type *Satyrus natalii*).
- Varin, G., "Les races françaises, ibériques et nord-africaines de *Chazara briseis* L. et leur répartition" [in French]. *Bull. Soc. ent. Mulhouse*, 1958: pp.33-39. Study of the subspecies (called "races" by the author) of the satyrid *C. briseis* in France, Spain, and N. Africa. Description of the following new subspecies: *C. b. variabilis* (France, Seine-et-Oise, Saclas), *C. b. pictonica* (France, Charente-Maritime, Royan), *C. b. peimica* (France, Allier, Mont de la Madeleine), *C. b. peimicameridionalis* (France, Hautes-Alpes, La Bessée-sur-Durance). [P. V.]
- Varin, G., "Les races françaises, ibériques et nord-africaines d'*Hipparchia fidia* L. (sous-genre *Pseudotergumia* et leur répartition)" [in French]. *Bull. mens. Soc. linn. Lyon*, vol.27: pp.209-215. 1958. Note on the distribution of the subspecies

- of this satyrid in France, Spain, and North Africa. The author uses the incorrect term "races" and, again, the unacceptable and incorrect subspecific name *beni M'Guildi* (sic!). Describes as new *H. f. splendum* (SE France, Var, Les Arcs). [P. V.]
- Varin, G., "Contribution à l'étude des Satyridae (lépidoptères). *Hipparchia semele* L. et *Hipparchia aristeus* Bonelli, leurs sous-espèces et leur répartition en France et en Afrique du Nord" [in French]. *Bull. Soc. ent. Mulhouse*, 1960: pp.13-17. List, description, & distribution of the subspecies of the satyrids *H. semele* & *H. aristeus* in France and North Africa. In the introduction, the author explains the usage of the term "race" in his earlier papers. In this paper he has interpreted badly the decisions of the International Congress of Zoology, 1958, and in regard to the Colloquiums it is only the meetings of the Entomological Society of France in 1959. [P. V.]
- Viette, P., "Contribution à l'étude des Hepialidæ (dixième note). Hepialidæ du Congo belge et du Territoire du Tanganyika" [in French]. *Rev. Zool. Bot. africaines*, vol.42: pp.201-206, 2 figs. 1949. Describes as new *Dalaca zernyi* (Haut Pays Matengo, WSW de Songea, Mbinga, 1300-1400 m., Tanganyika); *Gorgopis tanganyikaensis* (WSW de Songea, Ugano, 1500-1700 m., Tanganyika). Records of 4 other spp. with some descriptive notes & synonymy. [P. B.]
- Viette, P., "Description d'une nouvelle espèce de Pyralididæ malgache" [in French]. *Mém. Inst. scient. Madagascar, ser. A*, vol.3: pp.117-119, 2 figs. 1949. Describes as new *Ulotrichodes milloti* (Tananarive). [P. V.]
- Viette, P., "Description d'une nouvelle espèce de Noctuidæ Catocalinæ" [in French]. *Naturaliste malgache*, vol.2: pp.47-49, 4 figs. 1950. *Miniophyllodes catalai*, a new species from Madagascar. [P. V.]
- Viette, P., "Contribution à l'étude des Cossidæ (première note). Les Cossidæ de Madagascar (lépidoptères)" [in French]. *Naturaliste malgache*, vol.3: pp.133-138, 1 pl., 1 fig. 1951. A list of all Cossidæ known from Madagascar, with new synonymies, location, by the study of the types, and type localities is given. *Phragmatocia grandis* (E. Madagascar) is described as new. A new name is given for an Australian genus: ZYGANISUS new name for *Pseudocossus* Gaede (preoccupied). [P. V.]
- Viette, P., "Notes sur quelques lépidoptères malgaches" [in French]. *Mém. Inst. scient. Madagascar, ser. A*, vol.5: pp.131-138, 9 figs. 1951. Notes on some Lepidoptera from Madagascar. Describes as new: (Lithocolletidæ) *Lithocolletis lemarchandi* (Tananarive); *Parectopa eugeniella* (Tananarive); (Schrecksteiniidæ) *Stathmopoda clarkei* (Front Dauphin, central Madagascar); (Limacodidæ) PSEUDOLIMACODES, & type *P. brunnea* (Tananarive); (Noctuidæ) *Calesia tamsi* (Tananarive). [P. V.]
- Viette, P., "Microlépidoptères malgaches nouveaux ou peu connus" [in French]. *Mém. Inst. scient. Madagascar, ser. E*, vol.1: pp.153-163, 13 figs. 1952. New or little known Microlepidoptera from Madagascar. Describes as new: (Tineidæ) EUAGOPHLEPS, & type *E. brunneis* (E. Madagascar, Vohilava), *E. lambomakandro* (S. Madagascar, Lambomakandro); RANOHIRA, & type *R. silvestris* (Lambomakandro); (Xylorictidæ) PARACYPS, & type *P. waterloti* (Tananarive); PSEUDOPROCOMETIS, & type *P. helle* (Lambomakandro); (Ethmiidæ) *Ethmia bradleyi* (N. Madagascar, Diego Suarez), *E. albilineata* (Diego Suarez). [P. V.]
- Viette, P., "Descriptions de nouveaux macro-hétérocères malgaches" [in French]. *Mém. Inst. scient. Madagascar, ser. E*, vol.5: pp.67-80, 2 pls. 1954. Description of new malgassian Macroheterocera: (Cossidæ) *Xylocossus cretacea ambahona* (Ankaratra Mt.); (Thyrididæ) *Chrysotypus mabilleanum* (Ankaratra Mt.); *Proterozeuxis superba* (Ankarampotsy); METATHYRIDA, & type *M. catalaianus* (Ankarampotsy); (Agaristidæ): *Arrothia guenéianum* (Ankarafantsika); (Notodontidæ): *Scalmicauda kodamire* (Ankaratra Mt.); *Desmocræra*

- toulgoetianum* (Vohilava), *D. antiopa* (Tananarive); *Rhenea isaka* (Fort Dauphin); *Amphiphalera jeannelianum* (Diego Suarez); *Zelomera imitans ankaratrensis* (Ankaratra Mt.); *Fentonina io* (Ankarampotsy); *Atrasana brunneis* (Ankarampotsy); *Dinara descarpentrianum* (Tananarive); *Anticyra grandidieranum* (Diego Suarez); *Trotonotus catalaiella* (Perinet), *T. laurençonia* (Tananarive); (Drepanidæ) *Spidia vohilava* (Vohilava); (Saturniidae) *Tagoropsis ankaratra* (Ankaratra). [P. V.]
- Viette, P., "Description de nouveaux tinéides malgaches (Lépidoptères)" [in French]. *Mem. Inst. scient. Madagascar, ser. E*, vol.5: pp.1-38, 37 figs. 1954. Description of new Microlepidoptera from Madagascar: (Incurvariidae): *Nemophora janineæ* (Antongil Bay), *N. tsaratanana* (Tsaratanana Mt.); (Tineidae) *Melasina seyrigiella* (Bekily), *M. alluaudiella* (Namoroka); *Monachoptilas stemppferiella* (Ankaratra Mt.), *M. petitiella* (Tananarive), *M. berista* (Ankaratra Mt.); PROTAGOPHLEPS, & type *P. masoala* (Maroantsetra); (Hyponomeutidae) *Trichocera decaryanum* (Ambvombe); (Schrecksteiniidae) *Stathmopoda maisongossiella* (Maroantsetra), *S. vadoniella* (Maroantsetra); (Xylorictidae) MOCQUERYSIELLA, & type *M. albicosta* (Antongil Bay), *M. bourginella* (Maroantsetra); MNAROLITIA, & type *M. paulianellum* (Morafénobé); HERBULOTIANA, & type *H. abceda* (Antongil Bay), *H. benoistella* (Antongil Bay), *H. rungsella* (Maroantsetra), *H. bicolorata* (Antongil Bay), *H. violacea* (Antongil Bay), *H. catalaella* (Maroantsetra), *H. paulianella* (Ambodivoangy), *H. bernardiella* (Ambodivoangy), *H. longifascia* (Antongil Bay); (Ecophoridae) RHOZALE, & type *R. aurea* (Antongil Bay), *R. subnivea* (Antongil Bay); *Cryptolechia toulgoetianum* (Ambvombe); ABYCHODES, & type *A. janineæ* (Maroantsetra); *Xheroctys jeanneliella* (Maroantsetra); (Cosmopterygidae) *Stagmatophora chopardella* (Tananarive); (Gelechiidae) *Symbatica heimella* (Tananarive); *Polyhymno millotiella* (Morafénobé); *Idiopteryx marionella* (Morafénobé), *I. descarpentriesella* (Maroantsetra). [P. V.]
- Viette, P., "Les types des lépidoptères hétérocères malgaches de Mabille se trouvant au Muséum national, Paris" [in French]. *Mem. Inst. scient. Madagascar, ser. E*, vol.5: pp.377-387. 1954. List of Mabille's types of Madagascar species belonging to the National Collection of the Paris Museum. [P. V.]
- Viette, Pierre E. L., "Etude des types de microlépidoptères (Tineidae sll.) malgaches de Meyrick du Muséum de Vienne" [in French]. *Ann. naturhist. Mus. Wien*, vol.60: pp.279-286, 1 pl. 1955. Describes as new *Metachanda phalarodora* (Madagascar). Discusses 13 other spp. (Tineidae, Coleophoridae, Xylorictidae, Ecophoridae, Gelechiidae) described by Meyrick from Madagascar; describes ♂ genitalia of most; selects some neotypes. [P. B.]
- Viette, P., "Hesperiidæ" [in French]. *Faune de Madagascar*, vol.3: 85 pp., 92 figs. 1956. A fauna of the hesperiids from Madagascar and the Comoro Islands. Keys and descriptions of the spp. & sspp.; *Fulda corollei australis* is described as new. (Androy, Ifotaka). [P. V.]
- Viette, P., "Descriptions de nouvelles sous-espèces des genres *Callicore* et *Perisama* (Lep. Nymphalidae)" [in French]. *Bull. mens. Soc. linn. Lyon*, vol.27: pp.293-296. 1958. Descriptions of new sspp. of these genera in the collection of Mme. C. Fournier de Horrack in the Paris Museum: *C. clymena colombiana* (Cañon de Tolima, Colombian central Cordillera, 1700 m.), *C. marchalii septentrionalis* (Lino, Panama, 800 m.), *C. gabaza intermedia* (Venezuela, env. de Merida), *P. euriclea marginepunctata* (central Peru, Chanchamayo), *P. lucrezia unicolor* (Venezuela), *P. calamis ochracea* (Chanchamayo), *P. maronina meridionalis* (Bolivia, Coroico, 1200 m.), *P. bonplandii venezuelana* (Venezuela, Mucuchachi). [P. V.]
- Viette, P., "Descriptions préliminaires de nouvelles espèces de noctuelles de Madagascar, I (Lep. Noctuidæ)" [in French]. *Bull. Soc. ent. France*, vol.62: pp.270-279. "1957" [1958]. Preliminary descriptions of new species of noctuids from Madagascar: *Timora prochaskai* (Betioky-Sud); *Cucullia malagassa* (Perinet), *C. aplana* (Perinet); *Amphia gigantea* (Ambatolampy); *Neostichtis ignorata* (Integral

- Natural Reserve No.3); *Perigea zebrina* (Lakto), *P. probata* (Sandrangato); *Calpiformis magnifica* (Perinet); *Appana subrosacea* (Ankaratra Mts.); *Hadenella thermodesa* (Anosibe); *Athetis siccata* (Didy), *A. trixysta* (Sandrangato), *A. fragosa* (Tsianovoha), *A. cryptisiri* (Didy), *A. despecta* (Perinet), *A. calypta* (Didy), *A. sicaria* (Mahatsinjo); *Elyptron berioi* (Ankaratra Mts.). [P. V.]
- Viette, P., "Descriptions préliminaires de nouvelles espèces de noctuelles de Madagascar, II (Lep. Noctuidæ)" [in French]. *Bull. Soc. ent. France*, vol.63: pp.146-152. 1958. Preliminary descriptions of new noctuids from Madagascar: (Noctuinae) *Agrotis radama* (Tananarive), *A. longidentifera ranavalo* (Tananarive); *Ochropleura elevata* (Ankaratra Mts.); *Mentaxya trisellata* (Ankaratra Mts.), *M. sexalata* (Betsileo land); (Heliiothidinae) *Timora epimethea* (Fianarantsao area); (Amphipyridae) *Paracaroides pauliani* (Morondava area), *P. janineae* (Ankarafantsika); (Eutelinae) *Pacidara splendissima* (Integral Natural Reserve No.3), *P. dinota* (Lakato area); *Phlegetonia subviolescens* (Ankarafantsika); *Eutelia histrio occidentalis* (Lambomakandro), *E. vadoni* (Maroantsetra area). [P. V.]
- Viette, P., "Le Colloque international sur la Nomenclature zoologique" [in French]. *Lambillionea*, vol.58: pp.76-81. 1958. Considerations on the Colloquium on Zoological Nomenclature, London 1958. [P. V.]
- Viette, P., "Lépidoptères récoltés à La Réunion par R. Richard, I-II 1957" [in French]. *Lambillionea*, vol.58: pp.37-44, 2 figs. 1958. Describes as new (Noctuidæ) *Agrotis alluaudi* & *Blenina richardi* (Plaine des Cafres, Réunion). Places *palmistarum* Joannis in *Mentaxya*, which is distinct from *Scotia* (= *Agrotis* Ochs., nec Hb.). List of spp. (Pyralidæ, Geometridæ, Noctuidæ, Lithosiidæ, Hesperiidæ). [P. B.]
- Viette, Pierre, "Lépidoptères tinéides (s.l.) et pyrales. Resultats de l'expédition zoologique du Professeur Dr. Håkan Lindberg aux îles du Cap Vert durant l'hiver 1953-54, No. 18" [in French]. *Comm. biol.*, vol.17, no.8: 12 pp., 3 figs. 1958. Describes as new *Ethmia paneliusella* (S. Nicolau); *Eudoria lindbergalis* (S. Antão); *Euclasta defamatalis insularis* (S. Antão); and *Cynæda dentalis occidentalis* (S. Antão). Records of 21 further species, mainly Pyraustidæ, are given. [W. H.]
- Viette, P., "Note sur de petites collections de lépidoptères récoltés aux îles Comores et en Aldabra" [in French]. *Lambillionea*, vol.58: pp.60-65. 1958. Note on small collections of Lepidoptera from the Comoro Archipelago and Aldabra Is. Describes as new *Epipagis prolalis* (Aldabra) (Pyraustidæ). [P. V.]
- Viette, P., "Nouveaux microlépidoptères de Madagascar" [in French]. *Bull. Soc. zool. France*, vol.83: pp.48-59, 9 figs. 1958. Description of new species of Cœcophoridae and Ethmiidae from Madagascar: (Cœcophoridae) *Pseudepiphractis zelosarella* (Nosivola); *Rhozale ampolomitella* (Ambatalampy), *R. tricolorella saalmüllerella* (Sakaraha), *E. atriflorella* (Sakaraha), *E. oberthürella* (Sakaraha). [P. V.]
- Viette, P., "Thyridides malgaches nouveaux ou peu connus (lépidoptères)" [in French]. *Bull. mens. Soc. linn. Lyon*, vol.27: pp.206-208. 1958. New or little-known species of Thyrididæ from Madagascar. Describes as new *Chrysotypus lakato* (E. Madagascar, Lakato); *Rhodoneura strix* (E. Madagascar, Italaviana), *R. subopalina orientalis* (E. Madagascar, Anosibe); *Proterozeuxis seta* (Lakato). [P. V.]
- Viette, P., "Contribution à l'étude des Hepialidæ (33e note). *Korscheltellus fusconebulosus* (Degeer)" [in French]. *Entomologiste*, vol.14: pp.96-101. "1958" [1959]. Study of the subspecies of this hepialid; describes as new *K. f. shetlandicus* (Shetland Is.), *K. f. pyreneensis* (Pyrenees Mts), *K. f. centralis* (mountains of central France), *K. f. vosgesiacus* (Vosges Mts.). [P. V.]
- Viette, P., "Lépidoptères de l'île Amsterdam (récoltés de Patrice Paulian, 1955-1956)" [in French]. *Bull. Soc. ent. France*, vol.64: pp.22-29, 6 figs. 1959. Note on a collection of Lepidoptera from Amsterdam Is. in the southern Indian Ocean.

- Describes as new *Crambus reductus*; *Nomophila incognita*; BRACHYPTERA-GROTIS, & type *B. patricei*, (Noctuinæ; brachypterous in both sexes); *Heliothis pauliani*. [P. V.]
- Viette, P., "Descriptions préliminaires de nouvelles espèces de noctuelles de Madagascar et des Comores, III (Lep. Noctuidæ)" [in French]. *Bull. Soc. ent. France*, vol.64: pp.222-231. "1959" [1960]. Preliminary descriptions of new species of noctuids from Madagascar and Comoro islands: *Mentaxya comorana* (Anjouan); *Xylomania betsileo* (Betsileoland), *X. boby* (Andringitra Mts.), *X. hecate* (Marojejy Mts.); *Neostichtis inopinatus* (Integral Natural Reserve no.3); MADEUPLEXIA (Amphipyridæ) & type *M. pretiosa* (Batsileoland), *M. altitudinis* (Andringitra Mts.), *M. sogai* (Ambatondrazaka) (*Euplexia retorta* Berio, 1956, belongs to this genus); *Altimæa monticola* (Andringitra Mts.); *Perigea duchesnei* (Analamerana forest); *Sciomesa janthina* (Andringitra Mts.); *Paracaroides behara* (Behara), *P. befasy* (Befasy forest); *Cyclopera gallienii* (Befasy forest). [P. V.]
- Viette, P., "Deux nouvelles pyrales d'Indochine" [in French]. *Lambillionea*, vol.59: pp.87-89, 2 figs. "1959" [1960]. Describes as new *Stemmotophora chapalis* (Cha pa, Tonkin); *Doddiana tonkinalis* (Cha pa). [P. B.]
- Viette, P., "Note sur différents taxa du genre *Morpho* Fabricius (Lep. Nymphalidæ Morphinae)" [in French]. *Lambillionea*, vol.60: pp.11-14. 1960. List of types in Paris Museum, with localities. [P. B.]
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- Viette, P., "Thyridides et thaumétopoéides nouveaux ou peu connus de Madagascar (lépidoptères)" [in French]. *Bull. mens. Soc. linn. Lyon*, vol.29: pp.68-72. 1960. Describes as new: (Thyrididæ) *Chrysotypus phæbus* (Marojejy Mts.), *C. maculatus* (Lakato road); *Rhodoneura marojejy* (Marojejy Mts.); (Thaumetopœidæ) PSEUDOHYSOIDES, & type *P. bicolor* (Lambomakandro forest), *P. unicolor* (Analamerana forest), *P. vadoni* (Maroantsetra). [P. V.]
- Viette, P., "Notes on some synonymous or preoccupied names in the Lepidoptera." *Entomologist*, vol.94: pp.38-39. 1961. Proposes WISEANA to replace *Philpottia* Viette, preoccupied (Hepialidæ); FLETCHERODES to replace *Pseudolimacodes* Viette, preoccupied (Limacodidæ). New synonymy in Notodontidæ (*Billetia*) & Noctuidæ (*Thalatha*, *Maliattha*, *Calosia*, *Bamra*, *Hypsiforme*). [P. B.]
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- Warren, B. C. S., "On *Erebia aquitania* Fruhstorfer: with a note on the value of anatomical characters in this and related species." *Ent. Rec.*, vol.71: pp.184-190, 1 pl. 1959. Redefines this species; describes & figures ♂ genitalia, showing variation. Also figures ♂ & ♀ genitalia of other spp. of the *E. tyndarus* group; discusses specific relationships and species characters, and gives a checklist and synonymy for this difficult group. [P. B.]
- Watson, Allan, "A revision of the genus *Auzata* Walker (Lepidoptera, Drepanidæ)." *Bonner zool. Beitr.*, vol.9: pp.232-256, 1 pl., 47 figs. 1958. Describes as new *A. chinensis proluxa* (Chekiang, W. Tien-Mu-Shan, 1600 m.), *A. c. arcuata* (S. Shansi,

- Tapaishan in Tsingling, 3000 m.), *A. superba cristata* (Shansi, Mien-Shan), *A. minuta spiculata* (Chekiang, E. Tien-Mu-Shan). Transfers *A. micronoides* to *Leucodrepana*, sinking *Auzatella* to *Leucodrepana*; transfers *Gonocilix renifera* to *Leucoblepsis*. Redescribes all forms; key to spp. & ssp. [P. B.]
- Whalley, Paul E. S., "*Sematosopha leucodelta* Meyrick 1937—a synonym of *Piletocera albicinctata* Hampson 1887 (Lep.—Pyrilidæ)." *Entomologist*, vol.91: p.270. 1959.
- Whalley, Paul E. S., "The British species of the genus *Chrysocrambus* Blesz. (*Crambus* auctt.). Lepid. Pyralidæ." *Entomologist*, vol.92: pp.179-184, 1 pl., 4 figs. 1959. Figures adults of *C. craterellus*, *C. cassentiniellus*, *C. dentuellus*, & *C. cornutellus*, & genitalia of last 2 spp. (not certainly recorded from Britain). Discusses nomenclature. [P. B.]
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- Whalley, Paul E. S., "The genus *Ephestia* Guenée (Lep., Phycitinae)." *Ent. Gazette*, vol.11: pp.183-184. 1960. Transfers British spp., except *E. elutella* & *Anagasta kühniella*, to *Cadra* Walker (= *Xenephestia* Gozmány). [P. B.]
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#### F. BIOLOGY AND IMMATURE STAGES

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- Lane, Charles, & Miriam Rothschild, "Preliminary notes on insects eaten and rejected by a tame Shama (*Kittacincla malabarica* Gm.), with the suggestion that in certain species of butterflies and moths females are less palatable than males." *Ent. mo. Mag.*, vol.93: pp.172-179. 1957.
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