

RECENT LITERATURE ON LEPIDOPTERA

(Under the supervision of PETER F. BELLINGER)

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, with types in parentheses; 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 *The Lepidopterists' News* are listed without abstract. Readers, particularly outside of North America, interested in assisting with this very large task, are invited to write Dr. BELLINGER (Osborn Zoological Lab., Yale University, New Haven 11, Conn., U. S. A.) Abstractors' initials are as follows: [P.B.] — P. F. BELLINGER; [I.C.] — I. F. B. COMMON; [W.C.] — W. C. COOK; [A.D.] — A. DIAKONOFF; [W.H.] — W. HACKMAN; [J.M.] — J. MOUCHA; [E.M.] — E. G. MUNROE; [N.O.] — N. S. OBRAZTSOV; [C.R.] — C. L. REMINGTON; [J.T.] — J. W. TILDEN; [P.V.] — P. E. L. VIETTE.

B. SYSTEMATICS AND NOMENCLATURE

- Adamczewski, Stanislaw, "On the systematics and origin of the generic group *Oxyptilus* Zeller." *Bull. Brit. Mus. (Nat. Hist.)—Ent.*, vol.1: pp.301-387, 12 pls. 30 Nov. 1950. Describes as new *PROCAPPERIA* (type *Oxyptilus maculatus*), *P. croatica* (Zengg, S. Croatia); *Capperia washbourni* (Shar Deresy, Syria), *C. tamsi* (Alma Dag, Asia Minor), *C. hellenica* (Tembi, Thessaly, Greece), *C. zelleri* (Catania, Sicily), *C. polonica* (Aritz, Sardinia), *C. maratonica* (Kato Suli, Greece), *C. fletcheri* (Kirjat-Anavim, Jerusalem, Palestine); also one "form" (foodplant race) of *C. fusca*. Systematic revision of the genera *Sphenarches*, *Geina*, *Procapperia*, and *Capperia*; generic definitions and lists of spp. of *Oxyptilus* and *Crombruggbia*; notes on the *Trichoptilus* group (*Megalorrhipida*, *Trichoptilus*, *Buckleria*, *Stangeia*, and probably other undescribed genera). Additional sections deal with the previous treatment of the group, morphology, ecology, distribution, and phylogeny (which is interpreted in terms of the continental drift theory). [P.B.]
- d'Almeida, Romualdo Ferreira, "Uma nova espécie de *Actinote* do sul do Brasil (Lepidoptera Heliconiidae, Acraeinae)" [in Portuguese]. *Arq. Mus. Nac. Rio de Janeiro*, vol.42: pp.3-5, 2 figs. 1955. Describes as new *A. zikani* (Salesopolis, S. Paulo); redescribes ♂ of *A. morio*. [P.B.]
- Aubert, J. F., "Revision préliminaire du genre *Entepbria* Hb. [in French]. *Rev. franç. Lépid.*, vol.15: pp.62-69. Dec. 1955. Preliminary revision of the geometrid genus *Entepbria* and description of a new genus *CALOSTIGIODES* (type *uncinata* Püngeler). [P.V.]
- Berger, Lucien A., "Catalogues raisonnés de la faune entomologique du Congo Belge. Lépidoptères—Rhopalocères. 1.—Fam. Papilionidæ" [in French]. *Ann. Mus. Congo Belge C. Zool. Série III (II)*, vol.8: pp.1-104, 96 figs. 1950. Describes as new *Papilio nobilis leroyi* (Rutshuru, Kivu), *P. sosia pulchra* (Stanleyville); *Graphium ucalegon schoutedeni* (Bambesa, Uele), *G. ucalegonides rileyi* (Begoro, Gold Coast), *G. odin eyeni* (Lemfu, Bas Congo), *G. olbrechtsi* (Mwene-Ditu, Sankuru), *G. adamastor zongo* (Zongo-Mokoanghay, Congo-Ubangi), *G. a. dimbroko* (Sierra Leone); also a number of "forms" and aberrations. The arrangement is based on study of the genitalia, but these are not described. All spp. are figured and all entities briefly redescribed. Distribution, collection records, and references to studies of biology or genetics are given for each form. 49 spp. (of 69 in continental Africa) are included. [P.B.]
- Berger, L. A., "Un cas d'homonymie" [in French]. *Lambillionea*, vol.55: pp.86-87. 25 Dec. 1955. The genus *Phalanta* Ghesquière (1942) (Pyralidæ) is preoccupied by *Phalanta* Horsfield (1829) (Nymphalidæ) and is also a synonym of *Phostria*. A new genus *Ghesquiereella* (type *dioramica* Ghesquière) (Pyraustidæ) is proposed. [P.V.]
- Berio, E., "*Georyx muscosa* Gey. e le specie affini (Lepid. Noct.)" [in Italian]. *Rev. Zool. Bot. Afr.*, vol.51: pp.212-222, 10 figs. 16 July 1955. Describes as new *G.*

- leroyi*, *G. percurvata* (Belgian Congo); *G. fletcheri* (Natal); *G. basilewskyi*, *G. bergeri* (Kivu). *G. albifrons* distinct from *G. muscosa*. [P.V.]
- Beuret, Henri, "Support for the proposed use of the Plenary Powers for validating the trivial name *adippe*, as published in the combination *Papilio adippe* in the Vienna Catalogue of 1775 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.135. 30 Dec. 1952.
- Blair, K. G., "*Sedina buettneri* Hering at Freshwater, I. O. W." *Ent. Gaz.*, vol.2: pp.249-252, 1 pl. Oct. 1951. Describes biology and discusses systematic position of a local British species; colored figures of adult.[P.B.]
- Bourgogne, Jean, "Révision des espèces africaines du genre *Eumeta* Walker (*Clania* auct.) (Lepidoptera: Psychidae)" [in French]. *Trans. Roy. Ent. Soc. London*, vol.107: pp.125-138, 1 pl., 11 figs. 6 Dec. 1955. Describes as new *E. hardenbergi* (Delagoa Bay, Mozambique); *E. rougeoti* (Port Gentil, Gabon); *E. strandi* (Ogoocé, Lambaréné). Redescribes *E. cervina* (syn. *moddermanni*); removes other spp. from genus. [P.B.]
- Boursin, Ch., "Description de nouvelles espèces et formes du bassin méditerranéen (Lep. Phal.) (diagnoses préliminaires)" [in French]. *Bull. Mens. Soc. Linn. Lyon*, vol.24: pp.252-255. Dec. 1955. Describes as new *Litobpane mousterdi* (Beyrouth, Syria); *Derthisa didymogramma* (S. Turkey); also new "forms" of *Derthisa* spp. Sinks *Antitype annibalella* to *Eumichtis lichenea*; *A. amilcarella* to *Euxoa canariensis mauritanica*; *Metachrostis incomposita* to *Ederemia precisa*. [P.V.]
- Boursin, Ch., "Qu'est-ce-que l'*Agrotis nictymera* B.? (Lep. Phal.)" [in French]. *Bull. Mens. Soc. Linn. Lyon*, vol.25: pp.3-6. Jan. 1956. Boisduval's species is identified as *Standfussiana osmana* Wagner, 1929. The nominal sp. is from the Alps; *osmana* is the name of the ssp. from the Middle East mountains. Describes as new *S. dalmata occidentalis* (Alps [holotype] and Pyrenees). [P.V.]
- Box, Harold E., "New crambine genera allied to *Diatraea* Guilding (Lepidoptera: Pyralidae).—III" *Proc. Roy. Ent. Soc. London (B)*, vol.24: pp.197-200, 1 fig. 30 Dec. 1955. Describes as new *ZEADIATRÆA* (type *lineolata*); notes on the 4 spp. included. [P.B.]
- Bradley, J. D., "A comparative study of four European species, including one new species from Britain, belonging to the genus *Mompha* Huebner (Lepidoptera: Lavernidae)." *Ent. Gaz.*, vol.2: pp.173-182, 1 pl., 12 figs. July 1951. Describes as new *M. subdivisella* (Merton, Norfolk). Redescribes *M. subbistrigella*, *M. nodicolella*, and *M. divisella*, all feeding on *Epilobium* spp. [P.B.]
- Bradley, J. D., "Microlepidoptera collected in the Burren, Co. Clare, Ireland, in 1951, including two species new to the British list." *Ent. Gaz.*, vol.3: pp.185-191, 1 pl., 5 figs. Oct. 1952. Sinks *Coleophora gotlandica* to *C. teidensis*; redescribes latter and *Elachista exiguella*. Annotated list of 80 spp. [P.B.]
- Bradley, J. D., "A new family assignment for *Pancallia woodiella* Curtis, 1830, and some notes on this species (Lepidoptera)." *Ent. Gaz.*, vol.4: pp.172-174, 2 figs. July 1953. Transfers species, known from 3 specimens, to *Euclimensia* (Heliodinidae); suggests that it feeds on scale insects, like other *Euclimensia*, and was imported into Britain from North America. [P.B.]
- Bradley, J. D., "Microlepidoptera collected in the Burren, Co. Clare, Ireland, in 1952, including a plume moth new to the British list." *Ent. Gaz.*, vol.4: pp.135-140, 1 pl. April 1953. Redescribes *Alucita icterodactyla*. Annotated list of some 125 spp. [P.B.]
- Bradley, J. D., "A note on the identity of *Coleophora tripoliella* Hodgkinson, 1875, and *C. virgaureæ* Stainton, 1857 (Lep. Coleophoridae)." *Ent. Gaz.*, vol.6: pp.150-151, 1 pl., 3 figs. 13 July 1955. Selects types; sinks *tripoliella* to *asteris*; figures wings, genitalia, and larval cases of both species. [P.B.]
- Brown, F. Martin, "Comment on the action proposed in relation to the trivial names involved in the *niobe/cydippe/adippe* complex (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.134. 30 Dec. 1952. Opposed to conservation of *adippe*; would prefer to have *phryxa* or *syrinx* used for the High Brown Fritillary. [P.B.]
- Bryk, Felix, "Neue *achine*-Formen (Lep.: Satyridae)" [in German]. *Ent. Tidskr.*, vol.72: pp.181-183. 1951. Describes as new *Pararge achine ölleri* (Myrskylä, Finland); *P. a. amata* (Amata, Lettland). Notes on other subspecies. [P.B.]
- Bryk, Felix, "Specimina typorum insectorum a Carolo Linnæo descriptorum in Museo Degeeriano asservata" [in German]. *Ent. Tidskr.*, vol.73: pp.43-52. 10 May 1952. Identifies types of *Amorpha populi*, *Eudia pavonia*, *Trigonophora meticalosa* in DeGeer's collection; notes on these and some other specimens mentioned by Linnæus. Points out that still other specimens must be "iconotypes," since DeGeer's figures,

- on which some Linnæan spp. are based, were presumably made from specimens in his collection [P.B.]
- Bryk, Felix, "Support for the proposed use of the Plenary Powers to validate the trivial name *adippe* as published in the combination *Papilio adippe* by Denis and Schiffermüller in 1775 (Class Insecta, Order Lepidoptera)" [in German]. *Bull. Zool. Nomencl.*, vol.9: p.132. 30 Dec. 1952.
- Bryk, Felix, "Rectificationes nomenclatoricæ (Lep., Col.)" [in German]. *Ent. Tidskr.*, vol.74: pp.201-202. 25 Jan. 1954. Sinks *Euplœa treitschkei dampierensis* to *E. t. gustavi-felleri* [P.B.]
- Clark, Austin H., "On the proposed use of the Plenary Powers to suppress the trivial name *ajax* Linnæus, 1758 (as published in the combination *Papilio ajax*) (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.6: p.167. 22 May 1952. Favors suppression.
- Clarke, C. A., & J. P. Knudsen, "A hybrid swallowtail. An account of the 'cross' *Papilio asterias* ♀ (North American Black Swallowtail) × *Papilio machaon* ♂ (the Swallowtail, of European-Malta stock) and a note on the 'machaon complex' of the North American continent." *Ent. Rec.*, vol.65: pp.76-80, 7 pls., 1 fig. 15 March 1953. Hybrid adults resemble *asterias*; larvæ, *machaon*. Species appear to be distinct, since hybrids are infertile. [P.B.]
- Clarke, C.A., & P.M. Sheppard, "Further observations on hybrid swallowtails." *Ent. Rec.*, vol.65, suppl.: 12 pp., 7 pls., 1 map. Sept. 1953. Reports on various crosses involving *P. machaon*, *P. polyxenes*, *P. brevicauda*, *P. zelicaon*. Some backcrosses, but no sibling matings, were successful. *P. zelicaon* is the most isolated; all are good species or at least extreme subspecies (of *machaon*). [P.B.]
- Clarke, C. A., & P. M. Sheppard, "The breeding in captivity of the hybrid swallowtail *Papilio machaon gorganus* Fruhstorfer ♀ × *Papilio hospiton* Génè ♂." *Entomologist*, vol.88: pp.266-270, 4 pls. Dec. 1955. Describes hybrids. *P. hospiton* is considered to approach *P. m. saharae*; its genetic isolation from European *P. machaon* is incomplete. [P.B.]
- Clarke, J. F. Gates, "Neotropical moths of the genus *Orthocomotis* Dognin (Lepidoptera: Tortricidæ)." *Trans. Roy. Ent. Soc. London*, vol.107: pp.139-156, 6 pls. 6 Dec. 1955. Describes as new *O. maroda* (Nova Teutonia, Brazil); *O. jordani* (New Bremen, Brazil); *O. nitida* (Cayuga, Guatemala), *O. ocracea* (Juan Vinas, Costa Rica); *O. prochaldera* (Loja, Ecuador); *O. euchaldera* (San Antonio, Colombia); *O. pseudolivata* (New Bremen, Brazil), *O. exolivata* (Nova Teutonia, Brazil); *O. subolivata* (Tuis, Costa Rica); *O. aglaia* (Itatiaya, Est. do Rio, Brazil); *O. leucothorax* (New Bremen, Brazil); *O. herbacea* (San Pedro de Montes de Oca, Costa Rica); *O. twila* (New Bremen, Brazil); *O. ochrosaphes* (Santa Catharina, Brazil); *O. melania* (St. Ann Parish, Jamaica); *O. argodonta* (Santa Catharina, Brazil); *O. cristata* (Cachi, Costa Rica). Transfers *melanochlora*, *chloantha*, *chaldera*, *smaragditiis*, *magicana*, *muscosana*, *smaragdophæa*, *scardiana* from *Eulia*; *herbaria* from *Sociophora*; *boscantina* from *Tortrix*; *citroleuca* from *Cnephasia*; notes on these spp. and on *O. olivata*. Key to spp. [P.B.]
- C[lassey], E. W., F. T. Vallins, A. J. Dewick & A. H. H. Harbottle, "*Colias australis* Verity." *Ent. Gaz.*, vol.1: pp.113-125, 2 pls. July 1950. A symposium on this species: distinction from *C. hyale*, description of early stages, rearing notes. [P.B.]
- Clench, Harry K., "Notes on *Parabasis pratti*, a 'mislead' notodontid from New Guinea." *Lepid. News*, vol.10: pp.15-17, 4 figs. 10 Aug. 1956.
- Cockayne, E. A., "*Aspilates gilvaria* Fabricius ssp. *burrenensis* ssp. nov." *Ent. Gaz.*, vol.2: pp.100-101, 12 figs. April 1951. From The Burren, Co. Clare, Ireland. Also names an aberration of *Eupithecia goossensata*. [P.B.]
- Cockayne, E. A., "Notes on the five rare species of British Lepidoptera illustrated in colour in plate A." *Ent. Gaz.*, vol.5: pp.189-192, 1 pl. 3 Dec. 1954. *Luperina gueneei*, *Egeria flaviventris*, *Sarrothripus degenerana*, *Eupithecia millefoliata*, *Cosymbia pupillaria*; distinctive characters, history as British species, food plants. [P.B.]
- Cockayne, E. A., "The Irish subspecies of *Calamia virens* L., (Lep.: Caradrinidæ)." *Ent. Gaz.*, vol.5: pp.155-156. 23 Aug. 1954. Describes as new *C. v. occidentalis* (Ballyvaughan, Co. Clare); comparative notes on some European aberrations. [P.B.]
- Collenette, C. L., "A key to the African genera of Lymantriidæ (Lepidoptera)." *Trans. Roy. Ent. Soc. London*, vol.107: pp.187-197. 6 Dec. 1955. Describes as new USIMBARA (type *Aroa lata*). Sinks *Aclonophlebia* to *Rhyopteryx*, *Bicelluphora* to *Dasychira*, *Liparodonta* to *Enproctidion*, *Lymantria* to *Lymantria*; *Pseudarcia* to *Spilosoma* (Arctiidæ); transfers *Pachycispia* to Notodontidæ. Key to 91 genera, based on external characters. [P.B.]

- Cowan, C. F., "The status of the genus *Saletara* Distant (Lepidoptera, Rhopalocera) and its species." *Bull. Raffles Mus.*, no.25: pp.171-184, 1 map. "Dec. 1954" [1955]. Genus distinct from *Appias*; differences noted. Includes the single species *S. liberia*. With numerous races in the Indomalayan region. Chronological list of names applied, with critical comments. Describes as new *S. l. natunensis* (Great Natuna Is.); *S. l. dobertyi* (Sambawa). List of recognized races and their distributions, and of "forms." [P.B.]
- Comstock, John A., & Lloyd M. Martin, "A new *Papilio* from California." *Bull. So. Calif. Acad. Sci.*, vol.54: pp.142-150, 5 figs. 1955. Describes as new *P. indra fordii* (Granite Mts., San Bernardino Co., Calif.); describes larva and pupa; foodplants *Cymopterus panamintensis* (preferred), *Velæa argula*. [P.B.]
- Diakonoff, A., "A revision of the family Ceracidae (Lepidoptera Tortricioidea)." *Bull. Brit. Mus. (Nat. Hist.)*—Ent., vol.1: pp.217-219, 34 figs. 17 June 1950. Describes as new *Pentacitrotus quercivorus* (Deobar, NE Himalayas; on *Quercus semicarpifolia*); *Eurydoxa rhodopa* (Tse-kou, China), *E. tamsi* (Phedong, Sikkim, India); *Cerace tetraonis archimedes* (3 localities in India & Burma), *C. antbera* (Siao-Lou, China), *C. xanthocosma* (Japan, various localities), *C. guttana obscura* (Bengal), *C. cyanopyga* (Maymo, Burma), *C. xanthobrix* (Golaghat, Naga Hills, Assam), *C. stipitana birmanensis* (Ruby Mines District, Burma), *C. s. clara* (India), *C. s. formosana* (Formosa), *C. s. exsul* (Chusan Is., China), *C. s. sinensis* (Chang Yang, Ichang, China); *BATHYPLUTA* (type *Cerace triphaenella*), *B. t. sparna* (Mt. Tengger, E. Java), *B. metæca* (Pura Is., Lesser Sunda Islands); also two "varieties." Reinstates family. Keys to families of Tortricioidea and to genera and species of Ceracidae. All species described. [P.B.]
- Diakonoff, A., "Case bearing Lepidoptera III." *Idea*, vol.8: pp.83-91, 15 figs. 31 Jan. 1951. Gives keys to adults and larval cases of Javanese spp. of *Pseudodoxia* (Eco-phoridæ); describes as new *P. pulla* and *P. modica* and describes the genitalia of *P. siriopa* and *P. xanthocephala*. Figures genitalia and larval cases. [A.D.]
- Diakonoff, A., "Proposed addition to the Official List of Generic Names in Zoology of the generic name *Enarmonia* Hübner, [1825] in order to prevent unnecessary confusion with *Ernarmonia*, being the misspelled equivalent of this generic name (Class Insecta, Order Lepidoptera, Suborder Heterocera)." *Bull. Zool. Nomencl.*, vol.6: pp.155-156. 15 April 1952.
- Diakonoff, A., "Support for Dr. John G. Franclemont's proposal relating to the generic name *Phalæna* Linnaeus, 1758, and matters connected therewith (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.151. 30 Dec. 1952. Refers especially to *Tortrix* and *Tinea*. [P.B.]
- Diakonoff, A., "Microlepidoptera of New Guinea. Results of the third Archbold Expedition (American-Netherlands Indian Expedition 1938-1939). Part II." *Verhandel. Kon. Nederl. Akad. Wetensch., Natuurk., Sect.2*, vol.49, no.3: pp.1-166, 163 figs. 1953. Describes following as new. (Tortricidae, Tortricinae): *Choanograptis diagrapha* (Moss Forest Camp), *C. paragrapha* (Sigi Camp), *C. argyrocyma* (Moss Forest Camp), *C. tetraulax* (Sigi Camp), *C. hamuligera* (Lake Habbema), *C. diaphora* (Mist Camp); *Epagogne conspersa* (Mist Camp); *Paradichelia clarinota* (Moss Forest Camp), *P. fulvitacta* (Top Camp), *P. ocellata* (Moss Forest Camp); *Neocalyptis monotoma* (Mist Camp); *Harmologa arenicolor* (foot of Wilhelmina Top); *Diadelomorpha clavigera* (Moss Forest Camp); *Syndemis plumosa* (Moss Forest Camp); *Ælostoma melanostæcha* (Scree Valley Camp), *Æ. orophila* (Letter Box Camp); *HICETERIA*, and type *H. heptatoma* (L. Habbema), *H. heterogona* (Moss Forest Camp), *H. stannosa* (Mist Camp); *CARPHOMIGMA*, and type *C. leontodes* (Top Camp); *ARIZELANA*, and type *A. margaritobola* (Rattan Camp), *A. pyroplegma* (Iebèlè Camp), *A. bibatrix* (Iebèlè Camp), *APHTHONOCOSMA*, and type *A. plutarcha* (Araucaria Camp); *Nikolaia melanopsigma* (Moss Forest Camp); *ARCTE-PHORA*, and type *A. iubata* (Sigi Camp); *Capnoptycha thelea* (Mist Camp); *Rhomboceros barbata* (Mist Camp), *R. pulverulenta* (Mist Camp), *R. iridescens* (Mist Camp), *R. ethica* (Moss Forest Camp); *APLASTOCEROS*, and type *A. peneploca* (Moss Forest Camp), *A. dentifera* (Moss Forest Camp), *A. plumbata* (Moss Forest Camp), *A. carphalea* (Moss Forest Camp), *A. euetrias* (Iebèlè Camp); *CLEPTACACA*, and type *C. tryphera* (Sigi Camp); *TREMOPHORA*, and type *T. carycina* (Moss Forest Camp), *T. scintillans* (Moss Forest Camp), *T. alopec* (Mist Camp), *T. guttulosa* (Moss Forest Camp), *T. coniertus* (Moss Forest Camp); *MESOCALYPTIS*, and type *M. morosa* (Moss Forest Camp), *M. zonata* (Sigi Camp); *Tæniarchis acrotoma* (Araucaria Camp), *T. poliostroma* (Moss Forest Camp); *Dicellitris acrographa* (Araucaria Camp); *D. chrysonetha* (Rattan Camp); *Pternozgya melanoterma*

- (Iebèlè Camp); *Pandurista encarsiotoma* (Rattan Camp); *Spatalistis perusta* (Moss Forest Camp), *S. argyrosperma* (Moss Forest Camp), *S. violacea* (Moss Forest Camp); *Eremas polystalagma* (Top Camp); *Polyortha ornithopora* (Top Camp). (Eucosminæ): *Bactra stramenticia* (Letter Box Camp); *Lobesia paradisea* (Moss Forest Camp), *L. tritoma* (Rattan Camp); *Endothenia simplissima* (Iebèlè Camp); *METASCHISTIS*. *M. sappiroflua* (Sigi Camp), *M. hemicyclica* (Top Camp), *M. hemicaenodes* (Scree Valley Camp), *M. haematina* (Moss Forest Camp), *M. purpurascens* (Moss Forest Camp), *M. gypsopa* (Moss Forest Camp), *M. cretata* (Sigi Camp); *Anabanna chionopyra* (Iebèlè Camp); *Argyroploce hemeronyx* (Iebèlè Camp), *A. margaritopa* (Iebèlè Camp), *A. rivulosa* (Araucaria Camp), *A. leucocteis* (Moss Forest Camp); *Peridædala crastidochroa* (Iebèlè Camp), *P. prasina* (Lake Habbema), *P. archæa* (Letter Box Camp); *Hermerias niphobola* (Sigi Camp), *H. terminata* (Rattan Box Camp), *H. saxicolor*, *H. scoliomelas* (Lake Habbema), *H. merodelta* (Top Camp), *H. angulata* (Moss Forest Camp), *H. psimythographa* (Moss Forest Camp), *H. dirupta* (Lake Habbema), *H. conglomerata* (Moss Forest Camp), *H. platysphena* (Lake Habbema), *H. dendrosema* (Lake Habbema), *H. serrula* (Lake Habbema), *H. pollostes* (Sigi Camp), *H. gracilis* (Lake Habbema), *H. eugena* (Top Camp), *H. tatrix* (Lake Habbema), *H. corticina* (Lake Habbema), *H. tristis* (Lake Habbema), *H. xylogena* (Lake Habbema); *Batbrotoma angelica* (Mist Camp); *ALLOHERMENIAS*, and type *A. tenuitexta* (Moss Forest Camp), *A. subpetraea* (Scree Valley Camp); *Spilonota selene* (Moss Forest Camp), *S. pyrochlora* (Scree Valley Camp), *S. lobata* (Rattan Box Camp); *Acroclita allodapa* (Moss Forest Camp); *Eucosma inconspicua* (Rattan Camp); *Pseudogalleria toxotis* (Araucaria Camp), *P. amethystina* (Araucaria Camp); *CROCOSTOLA*, and type *C. hyperphyes* (Mist Camp); *Enarmonia alternans* (Sigi Camp); *Sereda myodes* (Sigi Camp). Redescribes the genera *Diadelomorpha*, *Nikolaia*, *Rhomboceros*, *Tæniarctis*, *Beryllorphantis*, *Peridædala*, *Hermerias*, *Pseudogalleria*. Gives keys to genera and species of the Papuan region [A.D.]
- Dufrane, A., "Corrections" [in French]. *Bull. & Ann. Soc. Ent. Belg.*, vol.88: p.24. 29 Feb. 1952. Proposes *Metarctia taymansii diffusa* n.n. for *M. t. kamitagensis* Dufrane, 1945, p.133, nec p. 130; other minor corrections. [P.B.]
- Dujardin, F., "La genèse quaternaire et monographie raisonnée des races de *Lysandra hispana* H.S." [in French]. *Lambillionea*, vol.49: pp.111-116. 25 Oct. 1949.
- Eisner, C., "Parnassiana nova. I. Kritische Revision der Gattung *Parnassius* (Fortsetzung 1)" [in German]. *Zool. Meded.*, Leiden, vol.33: pp.41-48. 13 Dec. 1954. The "Parnassiana" series, edited before the war together with F. Bryk, is now being continued by the author alone. Gives a list of new acquisitions of his well-known collection, now in the Rijksmuseum van Natuurlijke Historie of Leiden. [A.D.]
- Eisner, C., "Parnassiana nova. VI. Kritische Revision der Gattung *Parnassius* (Fortsetzung 3)" [in German]. *Zool. Meded.*, Leiden, vol.33: pp.181-207, 1 pl. 11 July 1955. Describes several new "forms" and subspecies: *P. epaphus hōmiana* (Altyn-Tag, Tibet); *P. e. eustidamensis* (Wildyak zone, Tibet); *P. e. shansiensis* (Mien-shan, Shansi). [A.D.]
- Eisner, C., "Parnassiana nova. VII. Kritische Revision der Gattung *Parnassius* (Fortsetzung 4)" [in German]. *Zool. Meded.*, Leiden, vol.34: pp.1-16. 21 Sept. 1955. Gives a list of subspecies of *P. apollo* [A.D.]
- Eisner, C., "Parnassiana nova. VIII. Kritische Revision der Gattung *Parnassius* (Fortsetzung 5)" [in German]. *Zool. Meded.*, Leiden, vol.34: pp.155-172, 1 pl. 11 Jan. 1956. Gives a list of subspecies and "forms" of *P. apollo* from France and Spain. [A.D.]
- Evans, W. H., "Support for the Dos Passos/Bell proposal relating to the name *Megathymus aryxna* Dyar, 1905." *Bull. Zool. Nomencl.*, vol.91: p.294. 30 Dec. 1955.
- Field, William D., "On the proposed suppression of the trivial name *ajax* Linnæus, 1758 (as published in the combination *Papilio ajax*) (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.6: pp.105-106. 28 Sept. 1951.
- Fletcher, D. S., "Notes on some subspecies of Geometridæ." *Ent. Gaz.*, vol.4: pp.225-235, 1 pl., 15 figs. July 1953. Color plate of 7 spp. recognized only since 1900: *Ortholitha mucronata*, *Lampropteryx otregiata*, *Dysstroma concinnata*, *Thera variata*, *Anatitiss eiformata*, *Eulopyia subbatata*, *Oporinia christyi*. Gives synonymy and points of difference from relatives; figures genitalia of 4 species pairs. [P.B.]
- Forbes, Wm. T. M., "Support for the action proposed in regard to the names involved in the *niobe/adippe* complex (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.133. 30 Dec. 1952.
- Forbes, William T. M., "On the limiting of subspecies." *Lepid. News*, vol.10: pp.35-36. 10 Aug. 1956.

- Ford, Leonard T., "A new stigmellid." *Ent. Gaz.*, vol.1: pp.39-40, 1 fig. Jan. 1950. Describes as new *Stigmella marionella* (Stanmore, Middlesex, England). [P.B.]
- Fox, Richard M., "*Eneis semidea* Say (Lepidoptera: Satyridæ) of Pike's Peak, Colorado and Mt. Washington, New Hampshire." *Journ. Colorado-Wyoming Acad. Sci.*, vol.4, no.6: pp.60-61; Dec. 1954. *O. semidea* of Mt. Washington found to be genitically and in color distinct from *O. lucilla* of Colorado; both considered races of *O. melissa*. Abstract only. [C.R.]
- Franclemont, John G., "Comment on Dr. Jiří Paclt's proposal relating to the generic name *Bombyx* Fabricius, 1775 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.154. 30 Dec. 1952. *Sericaria* dates from Latreille, 1829, with type *dispar* Fabr. [P.B.]
- Franclemont, John G., "Comment on Dr. Jiří Paclt's proposal relating to the generic name *Diloba* Boisduval, 1840 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.145. 30 Dec. 1952. *Diloba* an objective synonym of *Heteromorpha* Hbn. *Episema* and *Derthisa* have also been used for *cæruleocephala*, which Paclt would make the type of *Diloba*; this species is actually a noctuid. [P.B.]
- Franclemont, John G., "Comment on Dr. Jiří Paclt's proposal relating to the generic name *Pyralis* Fabricius, 1775 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.155. 30 Dec. 1952. *Pyralis* Fabr. does not include *farinalis*, which Paclt would make the type species. [P.B.]
- Franclemont, John G., "Comment on Dr. Jiří Paclt's proposal relating to the generic name *Sphinx* Linnæus, 1758 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.9: p.144. 30 Dec. 1952. Selection of type as *ligustri* made first by Curtis, 1828. [P.B.]
- Franclemont, John G., "On the proposed use of the Plenary Powers to suppress the generic name *Phalæna* Linnæus, 1758 (Class Insecta, Order Lepidoptera) and to validate, as of subgeneric status, certain generic terms then used by Linnæus for subdivisions of the genus; reply to certain criticisms made by Dr. Jiří Paclt." *Bull. Zool. Nomencl.*, vol.9: pp.149-150. 30 Dec. 1952. Disagrees with Paclt (same date), especially with regard to *Alucita*, which would have a different type if dated from 1775, and the types of *Phalæna* and *Noctua*, which he believes to be the same. [P.B.]
- Franclemont, John G., "Proposed use of the Plenary Powers to validate as subgeneric names as from Linnæus, 1758, certain terms published for groups of species within the genus *Phalæna* Linnæus, 1758 (Class Insecta, Order Lepidoptera) (application submitted in response to the invitation given in *Opinion* 124)." *Bull. Zool. Nomencl.*, vol.6: pp.304-312. 29 Aug. 1952. Request for suppression of *Phalæna* and validation of the following names (types in parentheses): *Bombyx (mori)*, *Noctua (pronuba)*, *Geometra (papilionaria)*, *Tortrix (viridana)*, *Pyralis (farinalis)*, *Tinea (pellionella)*, *Alucita (hexadactyla)*. [P.B.]
- Freeman, H. A., "A new species of *Hesperia* from California (Hesperiidæ)." *Lepid. News*, vol.9: pp.196-198, 5 figs. 16 April 1956. *H. tildeni* (Cherry Flat Res., Santa Clara Co., Calif.).
- Gozmány, L. A., "New middle-European Lepidoptera" [in English, Russian summary]. *Acta Biol. Acad. Scient. Hungaricæ*, vol.3: pp.379-386, 13 figs. 1952. Describes as new *SYNACROLOXIS* (Tortricidæ) and type *S. dis* (Szentá, Hungary); *Elachista edithæ* (Grado, Dalmatia); *Epermenia notodoxa* (Fiume, Tersato); *Parornix szöczi* (Budapest) (with key to related species); *Solenobia wagneri* (Mt. Czibles, Rumania). [P.B.]
- Gozmány, L. A., "Studies on Microlepidoptera" [in English, Hungarian summary]. *Ann. Hist.-Nat. Mus. Nat. Hungarici*, n.s., vol.5: pp.273-285, 34 figs. 1954. Describes as new *OPOROSAMMA* (Tortricidæ; type *Cnephasia wertheimsteini*); *Oxypteron (PSAM-MOZESTA)*, and type *O. (P.) neogena* (Montarco, Madrid Prov., Spain); *Megacraspedus jablonkayi* (Farkasvölgy, Budapest); *Metzneria ébikella* (Ágasegyháza, S. Hungary); *Glyphipteryx nántani* (Káposvár); *Gnorimoschema census* (Hársbörhegy, Budapest); *Bubulcellodes amseli* (Murcia, Spain); *Holoscolia homaima* (Mt. Korab, Albania); *Eupista etelka* (Usza, Bakony Mts., W. Hungary); *E. eupepla* (P. Peszer, Hungary); *Apatetris agenjoii* (Murcia, Spain); *PANTACORDIS* (Gelechiidæ), and type *P. pales* (Hársbörhegy, Budapest). [P.B.]
- Gozmány, L. A., "Notes on Microlepidoptera" [in English, Russian summary]. *Acta Zool. Acad. Scient. Hungaricæ*, vol.1: pp.231-233, 2 figs. 1955. Describes as new *Eupista hungarica* (L. Velence, near Pákodz, Hungary); *E. interrupta* (Zeng, Dalmatia). Sinks his *E. etelka* to *E. sylvaticella*, and his *Pantacordis* to *Eremica*. [P.B.]

- Gozmány, L. A., "Notes on some Hungarian Gelechioidea and Coleophoridae" [in English, Hungarian summary]. *Ann. Hist.-Nat. Mus. Nat. Hungarici*, n.s., vol.6: pp.308-320, 24 figs. 1955. Assigns Hungarian spp. of "*Gelechia*" to 12 genera, including *ORNATIVALVA* (type *G. plutelliformis*), *NEOFACULTA* (type *G. infernalis*), and *MIRIFICARMA* (type *G. maculatella* Hbn.); redefines 11 genera; gives keys to the 12, based on genitalia. Records of 3 other spp. of Gelechiidae. Annotated list of Hungarian spp. belonging to group M of *Coleophora*. [P.B.]
- Gregor, F., & D. Povolný, "Neue und interessante Lepidopteren aus der Tschoslowakei" [in Czech, Russian & German summaries]. *Acta Mus. Moraviae*, vol.40: pp.114-129, 11 pls., 82 figs. 1955. Describes as new *Gelechia dzieduszyckii tatrica* (High Tatra, N. Slovakia). Discusses the systematic position of *Mesophleps trimotellus*. Records from Czechoslovakia 19 spp. of Frenatae; figures adults and genitalia. [J.M.]
- Grey, L. P., Alexander B. Klots, & Cyril F. dos Passos, "The *niobe cydippe* / *adippe* problem (Class Insecta, Order Lepidoptera, Family Nymphalidae) with suggestions for its solution." *Bull. Zool. Nomencl.*, vol.6: pp.323-325. 29 Aug. 1952. Proposes selection of *adippe* D. & S., 1775, as the correct name for the High Brown Fritillary, and suppression of *cydippe* and *berecynthia* for this species and of *adippe* as used in other senses. [P.B.]
- Hansson, B. H., "Über eine neue, schwedische Unterart von *Aporophyla lutulenta* (Bkh.) und ihre Beziehungen zu den übrigen Formen" [in German]. *Ent Tidskr.*, vol.73: pp.77-88, 2 figs. 10 May 1952. Describes as new *A. l. insularis* (Öland Is., Sweden); also names 2 "forms." Compares new race with others, figuring adults and ♂ genitalia. [P.B.]
- Heinrich, Carl, "American moths of the subfamily Phycitinae." *U.S. Natl. Mus. Bull.* no.207: viii + 581 pp., 1138 figs. 1956. Describes as new *ANABASIS* (type *Myelois achrodesma*); *Sematoneura abitus* (Alpayacu, Río Pastaza, E. Ecuador); *CUNBERTA* (type *Nephoptyx subtiuctella*); *HERAS*, and type *H. disjunctus* (Don Amo, Colombia); *ADANARSA*, (type *Rhodophæa intransitella*); *BIRINUS*, and type *B. russeolus* (Tumatumari, Potaro R., Br. Guiana); *CHARARICA* (type *Myelois annuliferella*); *MYELOPSIS* (type *Myelois conilla*); *APOMYELOIS* (type *Dioryctria bistriatella*); *ECTOMYELOIS* (type *Myelois decolor*), *E. zeteki* (near Capira, Panama; on *Cassia moschata*); *PARAMYELOIS* (type *Myelois solitella* = *Nephoptyx transitella*); *PROTOMOERBES*, and type *P. aberrans* (Colombia), *P. separabilis* (San Antonio, Colombia); *Diatomocera majuscula* (Ponta Nova, Rio Xingu, Amazonas, Brazil), *D. albosigno* ("S. E. Brazil"), *D. extracta* (Tuis, Costa Rica); *PSEUDO-CABIMA* (type *Myelois enzopherella*), *P. castronalis* (Castro, Paraná, Brazil), *P. guianalis* (Sr. Jean Maroni, Fr. Guiana), *P. arizonensis* (Redington, Ariz.); *Hyalospila insequens* (Incachaca, Cochabamba, Bolivia), *H. majorina* (Misantla, Mexico), *H. fulgidula* (Santiago Prov., Cuba); *Difundella distractor* (Palmas Abojas, Puerto Rico), *D. tolerata* (E. Bolivia); *Anadelosemia condigna* (Prescott, Ariz.); *Rampylla lophotalis* (Jalapa, Mex.); *FULRADA* (type *Dasyphyga querna*); *SCORYLUS*, and type *S. cubensis* (Santiago Prov., Cuba); *Davara* (?) *interjecta* (El Yunque, Luquillo Mts., Puerto Rico); *Piesmopoda parva* (La Chorrera, Panama); *ATHELOCA* (type *Nephoptyx subrusfella*), *A. bondari* (Baía, Brazil); *PRAEDONULA* (type *Phycita almonella*): *PEADUS* (type *Piesmopoda burdetella*), *P. dissitus* ("S. E. Brazil"); *GABINIUS* (type *Promylea paulsoni*); *Megarhtria squamifera* (Mt. Poás, Costa Rica), *M. frustrator* (Juan Viñas, Costa Rica), *M. schausi* (Juan Viñas, Costa Rica), *M. alba* (Volcán Santa María, Guatemala), *M. beta* (Orizaba, Mex.); *Zamagiria fraterna* (Santiago de las Vegas, Cuba); *MAGIRIOPSIS* (type *Sematoneura denticosella*); *CARISTANIUS* (type *Oligochroa pallucidella*); *Pima albiplagiata occidentalis* (Pullman, Wash.); *INTERJECTIO* (type *Ambesa colubella*); *SALEBRIACUS* (type *Nephoptyx odiosella*); *SALEBRARIA* (type *Salebria ademptandella*); *QUASISALEBRARIA*, and type *Q. admixta* (Provo, Utah); *Meroptera abditiva* (Knowlton, Que.); *Nephoptyx delassalis frandifera* (Oliver, B. C.), *N. dammersi* (Cajon Valley, San Bernardino Valley, Calif.), *N. d. floridensis* (Williamsburg, Fla.); *TULSA* (type *Nephoptyx finitella*); *TELETHUSIA* (type *Pempelia ovalis*); *PHOBUS* (type *Dioryctria brucei*), *P. incertus* (Strawberry Valley, San Jacinto Mts., Calif.); *ACTRIX* (type *Tacoma nyssæcolella*), *A. dissimulatrix* (Cape Henry, Va.; on *Nyssa sylvatica*); *Stylopalpia argentinensis* ("Villa Anna, F. S. C. Fe., Argentina"); *Pyla impostor* (Slate Peak, Whatcom Co., Wash.), *P. æquivoca* (Banff, Alta., Canada), *P. insinuatrix* (Awe-me, Manitoba, Canada), *P. ænigmatica* (Wellington, B. C.), *P. nigricula* (Verdi, Nev.); *Dioryctria baumhoferi* (Prescott, Ariz.), *D. subtracta* (Ft. Wingate, N. Mex.); *Sarata punctella septentrionaria* (Palmerlee, Ariz.), *S. alpha* (Oxbow, Sask., Canada), *S. beta* (Colorado), *S. gamma* (California), *S. iota* (California), *S. epsilon* (Yosemite,

- Calif.), *S. phi* (White Mts., Ariz.), *S. kappa* (Arizona), *S. delta* (N. America); *PHILODEMA* (type *Sarata rhoiella*); *ADELPHIA* (type *Pempelia petrella*); *TOTA* (type *Elasmopalpus galdinella*); *Ufa senta* (Big Bend, Tex.); *ADELPERGA* (type *Heterographis cordubensiella*); *Eumysia semicana* (Yakima, Wash.); *Divitiaca parvul-ella consociata* (Valle de Medellín, Colombia); *PROTASIA* (type *Valdivia mirabilicornella*); *HONORINUS*, and type *H. fuliginosus* (Angasmarca, Peru); *PATRICIOLA*, and type *P. semicana* (Provo, Utah); *PACONIUS*, and type *P. corniculatus* (San Germán, Puerto Rico); *APTUNGA* (type *Vitula macroposa*); *ANDERIDA* (type *Euzophera sonorella*); *CASSIANA* (type *Vitula malacella*); *Mescinia moorei* (Mon Repos, Br. Guiana); *Homœosoma oslarellum breviplicitum* (San Diego, Calif.), *H. illuviellum emendator* (Chimney Gulch, Golden, Colo.), *H. imitator* (Palm Springs, Riverside Co., Calif.), *H. deceptorum* (New Brighton, Pa.), *H. discrebile* ("S. E. Brazil"), *H. peregrinum* (Carmel, Calif.), *H. vepallidum* ("Villa Ana, F. C. S. F., Argentina), *H. assitum* (Cañete, Peru); *ROTRUDA* (type *Homœosoma mucidellum*); *Unadilla floridensis* (Key West, Fla.); *BAPHALA* (type *Euzophera homœosomella*), *B. goyensis olivacea* (Posadas, Argentina), *B. haywardi* (Concordia, Entre Rios, Argentina); *RHAGEA* (type *Zophodia packardella*); *LASCELINA*, and type *L. canens* (Brownsville, Tex.); *SELGA* (type *Heterographis arizonella*); *Entmemacornis pulla* (Sta. Catarina, Brazil); *RIOJA*, and type *R. nexa* (La Rioja, Argentina); *Mœrbes emendata* (Cabima, Panama); *Moodnopsis parallela* (Sta. Catarina, Brazil), *M. portoricensis* (Lares, Puerto Rico); *EXUPERIUS*, and type *E. negator* (La Chorrera, Patamayo District, Peru); *EULOGIA* (type *Ephestia ochrifrontella*); *PROSOEUZOPHERA* (type *Euzophera impletella*); *FARNOBIA* (type *Euzophera quadripuncta*); *GEN-NADIUS*, and type *G. junctor* (St. Jean Maroni, F. Guiana); *Ephestiodes erasa* (Lake Alfred, Fla.); *Vitula pinei* (Eureka, Utah); *Manbatta broueri* (Bar Harbor, Maine); *VERINA* (type *Moodna supplicella*); *VAGOBANTA* (type *Cryptoblables divergens*); *MOODNELLA*, and type *M. paula* (Guatemala City, Guatemala); *VOLATICA* (type *Zophodia pachytaeniella*), *V. trinitatis* (Fyzabad, Trinidad); *VEZINA*, and type *V. parasitaria* (José C. Paz, Prov. Buenos Aires, Argentina); *Caudellia clara* (El Yunque, Luquillo Mts., Puerto Rico); *SOSIPATRA* (type *Ephestia rileyella*); *Ribua contigua* (Dorado, Puerto Rico); *ANAGASTA* (type *Ephestia kübniella*); *Varneria dubia* (El Yunque, Luquillo Mts., Puerto Rico); *ERELIEVA* (type *Pempelia quantulella*); *RABIRIA* (type *Microphycita conops*). Revision of American species of the subfamily. Some new synonymy and many generic transfers. Keys to genera; descriptions of all spp., with figures of venation and genitalia. Known foodplants listed. List of unplaced or unrecognized spp., and of spp. transferred to Epipaschiidæ or Anerastiinæ. Checklist of American Phycitinae, with species ranges. [P.B.]
- Hemming, Francis, "On the question whether eight generic names in the order Lepidoptera (Class Insecta) commonly accepted as having been first published by Fabricius in 1807 were published by Illiger earlier in the same year." *Bull. Zool. Nomencl.*, vol.1: pp.261-269. 31 March 1947. Application for a ruling that the names *Apatura*, *Castnia*, *Emesia*, *Helicopsis*, *Neptis*, *Nymphidium*, *Pontia*, and *Urania* are to be considered as having been published first by Fabricius, to avoid the possibility of a change of type species in several genera. [P.B.]
- Hemming, Francis, "On the lepidopterological implications of 'Dr. L. B. Holthius' application relating to the name *Sicyonia* Milne Edwards, 1830 (Class Crustacea, Order Decapoda), with a supplementary proposal." *Bull. Zool. Nomencl.*, vol.6: pp.341-342. 29 Aug. 1952. Agrees that validation of this name and suppression of *Sicyonia* Hbn., 1816 (a subjective synonym of *Heliconius*) would involve no inconvenience to students of Lepidoptera; suggests that *Heliconius* be placed on the *Official List* and that four objective synonyms be placed on the *Official Index of Rejected and Invalid Generic Names*. [P.B.]
- Hemming, Francis, "On the authorship to be attributed to the anonymous work published in Vienna in 1775 under the title *Ankündigung eines systematischen Werkes von den Schmetterlingen der Wiener Gegend*." *Bull. Zool. Nomencl.*, vol.9: p.135. 30 Dec. 1952. Authors cited as "Denis & Schiffermüller." [P.B.]
- Hemming, Francis, "On the consequential action in regard to the generic name *Tinæa* Geoffroy, 1762 (Class Insecta, Order Lepidoptera) which would be needed in the event of approval being given to Dr. John G. Franclemont's proposal that the name *Tinæa* should be validated under the Plenary Powers as from Linnæus, 1758." *Bull. Zool. Nomencl.*, vol.9: p.152. 30 Dec. 1952. Plenary Powers would have to be used to validate *Tinæa* (since the work in which it was published has been rejected); if Franclemont's proposal is accepted, *Tinæa* need only be placed on the *Official Index*. [P.B.]

- Heming, Francis, "Preliminary report on twenty-eight individual nomenclatorial problems remitted by the International Commission on Zoological Nomenclature for special investigation: request to specialists for advice." *Bull. Zool. Nomencl.*, vol.7: pp.191-229. 15 April 1952. Including the disposition of type species of the genera published in Hübner's *Tentamen*, and the relative priority of the publications of Cramer, Denis & Schiffermüller, Fabricius, and von Rottemburg, dated 1775. [P.B.]
- Hemming, Francis, "On the need for an amendment of the decision taken in 1948 regarding the method to be followed in identifying the taxonomic species represented by the nominal species *Papilio plexippus* Linnaeus, 1758 (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.6: pp.284-285. 23 July 1952.
- Hemming, Francis, N. D. Riley, & Roger Verity, "Proposed use of the Plenary Powers to determine the trivial name to be applied to the species of the genus *Fabriciana*, Reuss, 1920 (Class Insecta, Order Lepidoptera) known in England as the 'High Brown Fritillary' and formerly known by the scientific name *Argynnis adippe* (Linnaeus, 1767)." *Bull. Zool. Nomencl.*, vol.6: pp.325-336. 29 Aug. 1952. Proposes retention of *adippe* D. & S. for this species. [P.B.]
- Herbulot, Cl., "Nouveaux Sterrhinæ de Madagascar (Lepid. Geometridæ)" [in French]. *Nat. Malgache*, vol.7: pp.181-189, 1 pl., 11 figs. Feb. 1956. Describes as new *Sterrba brevissimipes*, *S. proartema*; *Scopula prisia*, *S. dimæroides*, *S. clandestina*, *S. abolita*, *S. normalis*, *S. sanguinifissa*, *S. protecta* (all from central Madagascar), *S. antankarana* (N. Madagascar), *S. hæratica* (S. Madagascar). [P.V.]
- Hering, Erich Martin, "Support for the proposal submitted by the late Dr. Steven Corbet for the suppression of the trivial name *ajax* Linnaeus, 1758 (as published in the binominal combination *Papilio ajax*) (Class Insecta, Order Lepidoptera)." *Bull. Zool. Nomencl.*, vol.2: p.350. 28 Sept. 1951.
- Hering, Erich Martin, "Synopsis der Afrikanischen Gattungen der Cochliidæ (Lepidoptera)" [in German]. *Trans. Roy. Ent. Soc. London*, vol.107: pp.209-225. 6 Dec. 1955. Describes as new (type spp. in parentheses): *AFRALTHA* (*Altha chionostola*); *AFROBIRTHAMA* (*Narosa flaccidia*); *AFRONAROSA* (*N. africana*); *JORDANIANA* (*Niphadolepsis lactea*); *LATOIOLA* (*Latoia albipuncta*); *LEMURIA* (*Miresa gracilis*); *SUSICINA* (*Susica pyrocausta*); *THOSEIDEA* (*Thosea lineapunctata*); *XANTHOPTERYX* (*Susica confusa*). Redefines family and distinguishes Epipyropidæ and Metarbelidæ. Sinks *Asteria* and *Parasa* to *Latoia*, *Scirrhomia* in part to *Hadrapphe* and in part to *Andrallochroma*; refers *Adrallia* to Lymantriidæ. Key to Crothæminæ and Cochliidiinæ, and to Ethiopian genera and those extralimital genera to which African species have been referred; generotypes listed. Palearctic (North African) genera, and 6 genera which are insufficiently described, are omitted. [P.B.]
- Heslop, I. R. P., "First supplement to the 'Indexed checklist of the British Lepidoptera with the English name of each of the 2,313 species' (1947)." *Ent. Gaz.*, vol.4: pp.29-33. 16 Jan. 1953. Includes 38 additional species, 3 changes of name or status, and minor corrections. [P.B.]
- Heslop, I. R. P., "Second supplement to the 'Indexed checklist of the British Lepidoptera, with the English name of each of the 2,313 species' (1947)." *Ent. Gaz.*, vol.4: p.265. Oct. 1953. Lists 9 additions made in 1952. [P.B.]
- Heslop, I. R. P., "Third supplement to the 'Indexed checklist of the British Lepidoptera, with the English name of each of the 2,313 species' (1947)." *Ent. Gaz.*, vol.6: pp.231-232. Oct. 1955. List of 9 spp. added in 1953 and 1954. [P.B.]
- Hinton, H. E., "On the taxonomic position of the Acrolophinae, with a description of the larva of *Acrolophus rupestris* Walshingham (Lepidoptera: Tineidæ)." *Trans. Roy. Ent. Soc. London*, vol.107: pp.227-231, 12 figs. 6 Dec. 1955. Key to the 4 sub-families of Tineidæ (Acrolophinae, Scardinæ, Nemapogoninae, Tineinae) based on larval characters. [P.B.]
- Hinton, H. E., & A. Steven Corbet, *Common insect pests of stored food products. A guide to their identification*. 3rd ed. 61 pp., 126 figs. London: British Museum (Natural History) (Econ. ser. no.15). 1955. Keys to 20 spp. (Pyralidina, Tineina), larvae and adults; figures of wing patterns and of some genitalia and larval setal patterns. [P.B.]
- Huggins, H. C., "The Irish sub-species of *Alucita icterodactyla* Mann (Lep: Pterophoridae)." *Ent. Gaz.*, vol.6: pp.124-126. 13 July 1955. Describes as new *A. i. phillipsi* (Burren, [Co. Clare]). [P.B.]
- International Commission on Zoological Nomenclature, "Direction 2. Addition to the *Official Lists* and *Official Indexes* of certain scientific names dealt with in Opinions 161 to 181." *Opin. Decl. Intern. Comm.*, vol.2: pp.613-628. 21 May 1954. Placed

- on the *Official Lists*: *Argyreus* Scopoli, 1777 (not available for use in preference to *Argynnis* Fabr., 1807); *Symphædra* Hbn., 1818 (not available for use in preference to *Euthalia* Hbn., 1818); *Princeps* Hbn., [1807]; *paphia* Linn., 1758; *hyperbius* Linn., 1763; *Iubentina* Cramer, 1819; *nais* Forster, 1771; *demodocus* Esper, [1798]. Placed on *Official Index* (rejected): *Limnas* Hbn., [1806]. [P.B.]
- International Commission on Zoological Nomenclature, "Direction 4. Addition to the *Official Lists* and *Official Indexes* of certain scientific names and of the titles of certain books dealt with in *Opinions* 134-160, exclusive of *Opinion* 149." *Opin. Decl. Intern. Comm.*, vol.2: pp.629-651. 1 Oct. 1954. Placed on appropriate *Official Lists*: *Cynthia* Fabr., 1807 (not to be used in preference to *Vanessa* Fabr., 1807); *achilles* Linn., 1758 (type of *Morpho*); *cardui* Linn., 1758 (type of *Cynthia*); *actæa* Esper., [1780] (type of *Satyrus*); *hyale* Linn., 1758 (type of *Colias*); *atalanta* Linn., 1758 (type of *Vanessa*); Freyer, *Neue Beiträge zur Schmetterlingskunde*; Latreille, *Considérations générales sur l'ordre naturel des animaux* etc.; Fabricius, "Die neueste Gattungs-Eintheilung der Schmetterlinge" etc. (1807); Hübner, *Sammlung exotischer Schmetterlinge* and *Verzeichniss bekannter Schmetterlinge*. Placed on *Official Index* (rejected): *Potamis* & *Rusticus* Hbn., [1807]. [P.B.]
- International Commission on Zoological Nomenclature, "Direction 7. Determination of the gender to be attributed to certain generic names placed on the *Official List of Generic Names in Zoology*" by the rulings given in *Opinions* 134 to 181." *Opin. Decl. Intern. Comm.*, vol.2: pp.685-696. 6 Dec. 1954. Includes *Satyrus* (masculine); *Argynnis*, *Colias*, *Euplœa*, *Euthalia*, *Helicopsis*, *Pontia*, *Vanessa* (feminine); *Nymphidium* (neuter). [P.B.]
- International Commission on Zoological Nomenclature, "Direction 9. Determination of the gender to be attributed to six generic names placed on the *Official List of Generic Names in Zoology* by rulings given in *Opinions* 137, 149 and 154." *Opin. Decl. Intern. Comm.*, vol.2: pp.705-718. 6 Dec. 1954. Including *Morpho* (feminine). [P.B.]
- International Commission on Zoological Nomenclature, "Direction 54. Addition to the *Official List of Family-Group Names in Zoology*, or, as the case may be, to the *Official Index of Rejected and Invalid Family-Group Names in Zoology* of the family-group names involved in the cases dealt with in Volume 12 of the *Opinions and Declarations rendered by the International Commission on Zoological Nomenclature*, other than family-group names already dealt with in these *Opinions*." *Opin. Decl. Intern. Comm.*, vol.12: pp.457-470. 17 Sept. 1956. Added to *Official List*: Heliconiidae Swainson, 1827; Melanargiinae Verity, 1920. Added to *Official Index*: Heliconidae Swainson, 1827 (invalid spelling); Agapetinae Verity, 1953. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 181. On the type of the genus *Carcharodus* Hübner, [1819], and its synonym *Spilothyrus* Duponchel, 1835 (Class Insecta, Order Lepidoptera), genera based upon an erroneously determined species." *Opin. Decl. Intern. Comm.*, vol.2: pp.589-612. 28 Feb. 1947. The type of both genera is declared, under suspension of the Rules, to be *Papilio alceæ* Esper (*malvæ* of Hübner and others, not of Linnæus). [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 263. Designation, under the Plenary Powers, of a description to represent the lectotype of the nominal species *Papilio podalirius* Linnæus, 1758 (Class Insecta, Order Lepidoptera)." *Opin. Decl. Intern. Comm.*, vol.5: pp.329-342. 10 Aug. 1954. Designation is Ray, *Hist. Ins.*: III, n.3; type locality Livorno, Tuscany. Placed on *Official List*: *podalirius*; *feistamelii* Duponchel, 1832. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 264. Designation, under the Plenary Powers, of a figure to represent the lectotype of the nominal species *Papilio iris* Linnæus, 1758 (Class Insecta, Order Lepidoptera)." *Opin. Decl. Intern. Comm.*, vol.5: pp.343-354. 10 Aug. 1954. Designation is fig. 1, pl.29 in South, *The Butterflies of the British Isles*; type locality is "England." Placed on the *Official List*: *ilia* [Schiffermüller & Denis], 1775. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 265. Validation, under the Plenary Powers, of the specific names *aristolochiæ* Fabricius, 1775, as published in the combination *Papilio aristolochiæ* and *ascanius* Cramer, [1775], as published in the combination *Papilio ascanius* (Class Insecta, Order Lepidoptera)." *Opin. Decl. Intern. Comm.*, vol.5: pp.355-366. 10 Aug. 1954. Names placed on *Official List*; *ascanius* Linn., 1768, and *aristolochiæ* Pallas are placed on *Official Index* (rejected). [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 267. Rejection of a proposal for the validation, under the Plenary Powers, of the generic name *Porima* Walker, 1856 (Class Insecta, Order Lepidoptera) by the suppression thereunder of

- the generic name *Porina* d'Orbigny, 1852 (Class Bryozoa)." *Opin. Decl. Intern. Comm.*, vol.5: pp.387-396. 10 Aug. 1954. *Oxycanus*, the earliest available name for this genus of Lepidoptera, and its type species *australis* are placed on the appropriate *Official Lists*. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 269. Validation, under the Plenary Powers, of the specific name *idas* Linnæus, 1761, as published in the combination *Papilio idas*. and determination of the species represented by the nominal species *Papilio idas* Linnæus, 1761, *Papilio argyrognomon* Bergsträsser, [1779], and *Papilio argus* Linnæus, 1758 (Class Insecta, Order Lepidoptera)." *Opin. Decl. Intern. Comm.*, vol.6: pp.1-24, 1 pl. 10 Sept. 1954. Suppresses *idas* Linnæus, 1758; places *idas* Linnæus, 1761, *argyrognomon*, and *argus* on the Official List; selects figures of ♂ genitalia to be used as standards in determining the spp. (these published figures are reproduced in this *Opinion*). [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 270. Addition to the *Official List of Generic Names in Zoology* of the names of five nominal genera of butterflies (Class Insecta, Order Lepidoptera), originally established with misidentified type species, for which type species in harmony with accustomed usage were designated under the Plenary Powers in 1935." *Opin. Decl. Intern. Comm.*, vol.6: pp.25-40. 10 Sept. 1954. Placed on *Official Lists*: *Agriaades*, *Carcharodes*, *Eucbloë*, *Lycæides*, *Polyommatus*; *alceæ* Esper, *creusa* Doubleday, *esperii* Kirby, *orientalis* Bremer. Placed on Official Index: *Latiorina* Tutt, *Orpheides* Hbn., *Spilothyrus* Duponchel. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 275. Determination of the type species of the nominal genus *Amblypterus* Hübner [1819] (Class Insecta, Order Lepidoptera)." *Opin. Decl. Intern. Comm.*, vol.6: pp.83-94. 10 Sept. 1954. Type is *Sphinx panopus* Cramer. *Amblypterus* and *panopus* placed on the *Official Lists*. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 276. Rejection, as not being of subgeneric status, of the intermediate terms used by Hübner (J.) between the generic and specific names of species in the first volume of the work entitled *Sammlung exotischer Schmetterlinge*, published in the period 1806-1823, and also in the work entitled *Systematisch-alphabetisches Verzeichniss aller bisher bei den Fürbildungen zur Sammlung europäischer Schmetterlinge angegebenen Gattungsbennungen* published in 1822." *Opin. Decl. Intern. Comm.*, vol.6: pp.95-118. 1 Oct. 1954. These works also placed on *Official List of Works Approved as Available for Zoological Nomenclature*. [P.B.]
- International Commission on Zoological Nomenclature, "Opinion 278. Addition to the *Official List of Generic Names in Zoology* of the names of ten genera of the Sub-Order Rhopalocera of the Order Lepidoptera (Class Insecta), species of which were cited in the undated leaflet commonly known as the *Tentamen*, prepared by Jacob Hübner, which is believed to have been distributed to correspondents in 1806, a leaflet rejected in Opinion 97." *Bull. Zool. Nomencl.*, vol.6: pp.135-178. 1 Oct. 1954. Hübner's generic names of butterflies are placed on the *Official Index*. The genera to which their type species are now referred, and the types of these genera, are placed on the *Official Lists* (if not already done): *Aulocera*, *Consul*, *Danaus*, *Euphydryas*, *Limenitis*, *Nymphalis*, *Papilio*, *Pieris*, *Plebejus*, *Pyrgus*; *brabminus*, *fabius*, *phaeton*, *populi*, *polychloros*, *machaon*, *brassicæ*, *malvæ*. The *Tentamen* is placed on the *Official Index*. [P.B.]

F. BIOLOGY AND IMMATURE STAGES

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- Anonymous, "Insect pests of tobacco." *Agric. Gaz. N. S. Wales*, vol. 61: pp. 415-418, 6 figs. 1 Aug. 1950. *Gnorimoschema operculella*, *G. plæsiösema*, *Plusia* sp., *Heliothis armigera*, cutworms; biology and control. [P. B.]
- Anonymous, "The Fruit-Tree Moth Borer (*Maroga unipunctata*)." *Agric. Gaz. N. S. Wales*, vol. 61: pp. 583-584, 3 figs. 1 Nov. 1950. Biology and control (Xyloryctidæ).
- Anonymous, "The Tomato Caterpillar (*Heliothis armigera*)." *Agric. Gaz. N. S. Wales*, vol. 61: pp. 641-642, 4 figs. 1 Dec. 1950. Biology and control.
- Anonymous, "The Indian Meal Moth (*Plodia interpunctella*)." *Agric. Gaz. N. S. Wales*, vol. 62: pp. 41-42, 2 figs. 1 Jan. 1951. Biology and control,

- Anonymous, "The Cabbage Moth (*Plutella maculipennis*). The Cabbage White Butterfly (*Pieris rapæ*). Case Moths (Psychidæ)." *Agric. Gaz. N. S. Wales*, vol. 62: pp. 149-152, 156, 7 figs. 1 Mar. 1951. Biology and control.
- Anonymous, "The White Cedar Moth (*Lymantria reducta*)." *Agric. Gaz. N. S. Wales*, vol. 62: p. 190, 1 fig. 1951. Biology and control; on *Melia azedarach*. [P. B.]
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- Dikasova, E. T., "Serodiagnosis of jaundice virus in *Bombyx mori*" [in Russian]. *Mikrobiologiya*, vol. 17: pp. 189-191. 1948. [Not seen.]
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