

AN ANNOTATED BIBLIOGRAPHY OF BATFLIES

(Diptera: Streblidae; Nycteribiidae)¹

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Abstract. This bibliography lists, up to the end of 1970, about 800 references relating to the batflies or Streblidae and Nycteribiidae. Annotations are given regarding the contents, dates of publication and other information of the references listed. A subject index is appended.

The following bibliography is the result of an attempt to catalogue and partly digest all the literature (published up to the end of 1970) relating to the systematics and other aspects of the 2 small dipterous families of batflies, i.e., Streblidae and Nycteribiidae. The bibliography includes a list of about 800 references, with annotations, and a subject index. Soon after the start of the compilation of literature in 1960, it was found that many odd but often important records were scattered in books and other publications on travels, expeditions, speleology, mammalogy, parasitology, etc. A number of such publications are not available even in the largest entomological libraries and might well have been inadvertently overlooked. While some 50 additional references are provisionally omitted because of the lack of sufficient information, new contributions on the subject are almost continuously coming out from various sources. This bibliography does not, therefore, pretend to be complete and exhaustive. The time and effort devoted toward the compilation would be worthwhile should this bibliography be of interest to its readers and the annotations and subject index be of benefit. The manuscript has been revised several times and it is hoped that not too many errors, omissions and other discrepancies have developed during the course of preparation. Notes on a few points of this bibliography are given below.

SELECTION OF REFERENCES. In the selection of the references to be listed, strong emphasis has been placed on scientific originality, no matter how brief and preliminary it might be. Textbooks and the like are not included unless they contain information of originality (such as in G. M. Allen 1939, Oldroyd 1964) or much historical interest. Abstracts, translations, independently paged separata, fascimile editions, second and subsequent printings, book reviews and so on are generally either omitted in the list, or only mentioned in the annotations. The bibliographies of batflies published by earlier authors have been checked and compared. Some of the entries there listed are here deleted because they either are purely secondary in nature or have no direct bearings on the batflies, or the information about their pagination, contents etc., is

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insufficient. For instance, Wenzel, Tipton & Kiewlicz's (1966) bibliography of the New World Streblidae lists 123 entries, while Theodor's (1967b) bibliography of the Nycteriibiidae of the entire world lists 21 entries. Of these, 9 and 3 entries, respectively, are not incorporated into this bibliography.

AUTHORSHIP OF TAXA. During the course of the compilation, it was discovered that the authorship of certain taxa has sometimes been wrongly cited, largely as a result of pen-slips. The following 2 instances are probably the most interesting and deserve more detailed comments. Firstly, Latreille (1829a, b, 1836) and Drapiez (1845) accredited the authorship of the genus *Strebla* to Dalman (1823) who almost simultaneously published a paper under the same title "Analecta entomologica" (but with a different subtitle, contents and by a different publisher) as did Wiedemann (1824). It was the latter author who actually published the name *Strebla* (cf. annotations under Latreille 1836). Secondly, Macquart (1835) and Westwood (1840) cited the original reference of *Lipoptena phyllostomatis* [now known as *Aspidoptera phyllostomatis* (Perty)] as "Nitzsch: Voyage du Prince Maximilien de Bavière" which Speiser (1900b: 32) and Maa (1965b: 385) failed to trace among the publications by either Nitzsch or Maximilian (Prinz zu Wied-Neuwied). — Neuwied is a city on the Rhine, 10 km NNW of Koblenz, once a part of Bavaria, and is not far from the present-day Bavarian border. — It is true that in his "Reise nach Brasilien in den Jahren 1815 bis 1817" (1820-21, Frankfurt a. M.) and "Beiträge zur Naturgeschichte von Brasilien" (1826-33, Weimar), Prince Maximilian did describe a number of bats and mention the findings of the insectan remains in the bat stomachs and of the ants damaging bat and other specimens. It is also true that in the summary of his collection of Brazilian insects (in "Reise...." 2: 299), some ants, butterflies (and spiders) but no batflies were included. There could not so far be found even the slightest evidence that Nitzsch had ever studied that insect collection. From the full title of Perty's (1830-34) work as cited in this bibliography (q. v.), it seems sufficiently clear that Macquart and Westwood confused the 1815-17 voyage ("Reise") of Prince Maximilian of Wied-Neuwied with the 1817-20 voyage sent by the order and under the auspices of King Maximilian Joseph I of Bavaria and with J. A. Maximilian Perty, author of *L. phyllostomatis*. In those days, Nitzsch was highly reputed in Germany as the foremost authority of ectoparasites while Perty was nearly a beginner. The former author's well publicized paper "Thierinsekten" (published in 2 different journals of good reputation) probably heavily overshadowed the latter author's privately printed "Delectus." Only by such coincidence and under such circumstances, could the wrong citation by Macquart and Westwood have happened.

AUTHORS' NAMES. For practical reasons, full names are not written out for the authors listed in this bibliography even when they are easily traceable. For instance, the full name of Macquart is Pierre Justin Marie Macquart. In all his papers that I have consulted, it was simply given as J. Macquart and sometimes even more simply as M. [onsieur] Macquart. In this and similar cases, the spelling-out of the initial "J." (which is the one most often used by Macquart), but not "P." and "M." as well, seems not only fairly sufficient but also may avoid certain unnecessary confusion. The compound surnames of some authors are at times rather perplexing. Thus, E. Balcells R.[ocamora] has been listed incorrectly by certain earlier workers as E. R. Balcells; A. Hoffmann Mendizabal, as A. H. Mendizabal; A. de Miranda Ribeiro, as A. d. M.

Ribeiro; and so on. To save space, the Subject Index of this bibliography lists only the surnames for authors unless some confusion (such as E. L. Kessel vs. Q. C. Kessel) may occur; and in cases of compound surname, either only the first word of such surnames is used, or the second word is abbreviated, such as Miranda Rib., Schuurmans Stkh. For the same reason, the name(s) of the junior author(s) of a joint paper is represented in the Subject Index by the abbreviation "et al." except in cases like Theodor & Moscona vs. Theodor & Peterson.

DATES OF PUBLICATION. In this bibliography, there are fortunately only a few references (such as Perty 1833) of which the dates of publication need some annotation. Very few references which include new taxa of batflies came out in the same years, and it appears unnecessary to give annotations regarding the more exact publication dates (i.e., months and days) for such references. The a, b, c . . . for the same year's papers of an author (such as Ferris 1925a, 1925b) are, however, not necessarily arranged in the order of their publication dates. Incidentally, Westwood's revision of the genus *Nycteribia* and Falcoz's descriptions of the New Caledonian Pupipara are dated respectively from 1834 and 1921 rather than, as cited by most subsequent workers, from 1835 and 1923.

ORIGINAL TITLES OF REFERENCES. In the section "Titles and Annotations", the titles of various references listed are as originally given except for the change of the capital to small letters for certain words, the omission of suprageneric names originally given in parentheses (such as Diptera Pupipara, Diptera: Nycteribiidae) and the replacement of the subtitles, in part or as a whole, indicated by ellipses... . It should be added that the titles of certain references (such as Loveridge 1923, Starrett & Torre 1931) are quite vague and seemingly have nothing to do with the batflies. Such references might also have been inadvertently overlooked by me, and without annotations, their contents concerning the batflies can hardly be evaluated. On the other hand, the titles of a few references (such as Kishida 1928, Meijere 1899b) are so clear and exact that there is no need for an annotation.

RELATIVE IMPORTANCE AND RARENESS OF REFERENCES. The references listed in this bibliography vary greatly in relative rareness and scientific value. In fact, many of them have sunken deeply and quietly into the sea of library files without causing the slightest ripple. The annotations are so designed that they are more detailed for the rarer and less important references. The users of this bibliography thus may not need to search for and directly consult such references.

SYMBOLS, ABBREVIATIONS. Abbreviations for serial publications are modified from the World List of Scientific Periodicals (London, 1963-). Symbols and other abbreviations (besides the commonly used ones such as nom. nud., sp., spp., ssp.) in the annotations are as below.

cat.=catalogue, checklist, with or without citing references.
 des.=descriptive notes, short description(s).
 fig(s).=figure(s) in text (figure[s] in plate are given in parenthesis, thus pl. 2 (3) for plate 2, figure 3).

fr.=from.
 g.=genus (genera).
 incl.=including.
 misc.=miscellaneous.
 n.=new (for new taxa or new names).
 Nyct.=Nycteribiidae, nycteribiid(s).

o. d.=original description.
 rec.=original record (s), i. e., those not compiled
 from literature.
 redes.=detailed redescription.
 rev.=revision, usually including keys, redescr-
 iptions, bibliography, etc.

Streb.=Streblidae, streblid(s).

w.=with.

*=original (of an article) not seen by me per-
 sonally but most of such have, at my
 request, been checked by friends.

!=sic (for typo- or orthographic error).

Acknowledgments. Without the cooperation and help in various ways from many people, this bibliography could by no means have attained its present shape and size. The space available here does not permit me to acknowledge my indebtedness to all of them individually. I am especially grateful to the librarians of the following institutions for free access to the book-files under their care: British Museum Department of Entomology, Museo di Storia Naturale di Genova, Rijksmuseum van Natuurlijke Historie in Leiden, Museum of Comparative Zoology at Harvard, B. P. Bishop Museum, and Hawaiian Sugar Planters' Association Experiment Station. The kind help from K. Hürka (Praha), B. V. Peterson (Ottawa), G. B. Thompson (Cambridge, England), O. Theodor (Jerusalem) and many others in supplying additional references or useful information is also deeply appreciated.

I. LIST OF TITLES, WITH ANNOTATIONS

Absolon, Ph. C. Karl

*1899. [On the hibernation and distribution of bats in the Moravian caves]. (in Czech). *Vesmir* **28**: 230-231. — Nyct., faunistic data.

Acloque, Alexandre

1897. Faune de France. Contenant la description des espèces indigènes **2**: i-viii, 1-516, 1235 figs. Paris (Baillière). — *Nycteribia* (to g. only) listed under Brachycères: Hippoboscidi: Nycteribii, p.490, fig. 219; *Strebla* & other 8 g. (in key), under Hippoboscidi: Hippoboscii, p. 489.

Adensamer, Theodor

1896. Ueber *Ascodipteron phyllorhinae* (n. gen., n. sp.), eine eigenthümliche Pupiparenform. *S. B. Akad. Wien, Math.-Naturw. Cl.* **105** (Abth. 1): 400-416, 2 pls. — External morphology; integument; muscular, sensory, digestive, circulatory, respiratory systems; fat-body; oenocytes; ♀ genitalia. Types fr. Java.

Aders, Walter M.

1917. Insects injurious to man and stock in Zanzibar. *Bull. Ent. Res.* **7**: 391-401. — *Cyclopodia greefi* (!), ex *Pteropus voeltzkowi*, p. 400.

Aellen, Villy

*1949. Les chauves-souris du Jura neuchâtelois et leurs migrations. *Bull. Soc. Neuchâtel. Sci. Nat.* **72**: 23-90. — Nyct., rec.

1952. Contribution à la connaissance des Diptères Pupipares du Maroc. *Bull. Soc. Sci. Nat. Maroc* **31** (for 1951): 149-152. — Nyct., 6 spp. in 2 g., rec.

1955. Étude d'une collection de Nycteribiidae et de Streblidae de la région paléarctique occidentale, particulièrement de la Suisse. *Bull. Soc. Neuchatel. Sci. Nat.* **78**: 81-104, 5 figs. — Nyct. 11 spp. in 3 g., Streb. 1 sp.; 825 specimens, listed & analyzed; *Basilia italica*, des. of ♂; misc. rec. for Belgium, France, Switzerland, Italy, Greece, Spain, Morocco, Algeria, Turkey, Lebanon.

1956. Speologica africana. Chiroptères des grottes de Guinée. *Bull. Inst. Fr. Afr. Noire* **18A**: 884-894. — *Nycteribia exacuta* (nom. nud.), *Raymondia huberi*, ex *Miniop-terus inflatus villiersi*, p. 893.

1959. Contribution à l'étude de la faune d'Afghanistan. 21. Diptères Pupipares parasites de Chiroptères. *Rev. Suisse Zool.* **66**: 555-567, 2 figs. — Nyct. 6 spp. in 2 g., Streb. 5 spp. in 3 g., rec.; *Nycteribia vexata lindbergi* n. ssp.

1963. Les Nyctéribiidés de la Suisse, Diptères parasites de chauves-souris. (w. German & English summaries). *Bull. Soc. Neuchatel. Sci. Nat.* **86**: 143-154. — 11 spp. (in 3 g.), 489 specimens, host data analyzed; influence to population by host hibernation discussed; 3 spp. new to Switzerland.

Agassiz, J. Louis R. & H. Loew

1846. Nomina systematica generum dipterorum. In J. L. R. Agassiz: Nomenclator zoologicus, continens nomina systematica generum animalium tam viventium . . . Fasc. **9/10** (4): 1-42. Soloduri (Jent & Grassmann). [Entire work in 12 fascicles, 1842-47; some fascicles in several unnumbered parts &/or by several authors. Index universalis of the work, viii+393 pp., 1846, Soloduri]. — *Nycterobia*, emend. pro *Nycteribia*.

Aldrich, John M.

1905. A catalogue of North American Diptera (or two-winged flies). *Smiths. Misc. Coll.* **46** (2) (= *Publ.* 1444): 1-680. — Streb. (placed under Hippobscidae & Nyct.) 7 spp. in 5 g., Nyct. 2 spp. in 2 g.

1907. Additions to my catalogue of North American Diptera. *J. N. Y. Ent. Soc.* **15**: 2-9. — *Megistopoda desiderata* (= *aranaea*), p. 6.

Allen, F. J.

*1885. [*Nycteribia* from bat]. *J. Microsc. Nat. Hist. (J. Postal Microsc. Soc.)* **4**: 262. — "The *Nycteribia* shows its relation to the Diptera by the rudiments of wings, which may be seen like a pair of curved combs on the meso-thorax, near the base of the pro-legs. I believe the *Nycteribia* is eyeless, and that its tiny head consists almost entirely of mouth organs."

Allen, Glover M.

1939. Bats. x+368 pp, 57 figs. Cambridge, Mass. (Harvard Univ. Press). — Batflies, pp. 309-314; cysts caused by *Ascodipteron* on arm of *Hipposideros caffer*, Rutshuru, E. Congo, fig. 54; cysts on knuckle joints of long fingers of horseshoe bats, Philippines, p. 313.

Anciaux de Faveaux, M. Felix

1950. Explorons nos cavernes. Presentation des divers problèmes scientifiques qui se

posent en spéléologie, avec un appendice consacré au domaine souterrain de la Belgique. 315 pp., 7 figs., 1 pl. Bordeaux (Dinant). — 2 *Nycteribia*, 1 *Penicillidia* sp. listed for Belgium, p. 169.

*1958. Speologica africana. Chiroptères des grottes du Haut-Katanga (Congo belge). *Bull. Inst. Fr. Afr. Noire* **22A**: 263-275.

*1959. Notes biospéléologiques et parasitologiques sur des grottes du Katanga. *Bull. Soc. Speleog. Katanga* **1**: 23-36.

*1960. Notes biospéléologiques et parasitologiques sur des grottes du Katanga. *Bull. Soc. Speleog. Katanga* **2**: 19-22.

*1964. La faune des grottes du Haut-Katanga. *III. Congr. Int. Speleologie* (Vienne 1961) **3** (sect. 2): 11-21.

1965. Les parasites des Chiroptères. Rôle épidémiologique chez les animaux et l'homme au Katanga. *Ann. Parasit. Hum. Comp.* **40**: 21-38. — 6 Nyct. spp. (in 4 g.), 5 Streb. spp. (in 2 g.) rec. from 8 spp. of bats, pp. 30-32; possibility of their transmission of bat malaria discussed.

Andretta, M. A. V. d' (see Guimarães & d'Andretta)

Angulo, L. N. (see Najera Angulo, L.)

Annandale, Nelson

1903. Introductory note [to P. Speiser: Report on Diptera Pupipara]. In N. Annandale & H. C. Robinson: Fasciculi malayenses **1**: 119. — Batflies, host ranges in cavernicolous forms, body-size of hosts vs that of parasites.

Anthony, Harold E.

1925. Mammals of Porto Rico, living and extinct. *Sci. Surv. Porto Rico & Virgin Is.* (New York Acad. Sci.) **9**: 1-238, 54 pls. — *Paradyschiria fusca* ex *Noctilio leporinus mastivus*, p. 18; *Pterellipsis aranea* ex *Brachyphylla cavernarum*, p. 39.

Arias Encobet, José

1912a. Adiciones à la fauna dipterológica de España. *Bol. Soc. Esp. Hist. Nat.* **12**: 385-426. — *Nycteribia pedicularia*, pp. 395, 413.

1912b. Datos para el conocimiento de la distribución geográfica de los Dipteros de España. *Mem. Soc. Esp. Hist. Nat.* **7**: 61-246 [separata, 1-186]. — *Nycteribia biarticulata*, pp. 77, 239; *Nycteribosca kollari* (also fr. Portugal), pp. 113, 239.

Arnold, Keith (see Tonn & Arnold)

Arzamasov, I. T. & A. N. **Kurskov**

*1962. [On ectoparasite fauna of Byelorussia]. (In Russian). *Dokl. Akad. Nauk BSSR*, Kiev **6**: 202-203.

Aschner, Manfred

1931. Die Bakterienflora der Pupiparen (Diptera). *Z. Morph. Oekol. Tiere* **20**: 368-442, 5 figs., 5 pls. — *Rickettsia* (probably *R. melophagi* Nöller) found in egg-cell or as

intracellular in all flies studied; mycetomes, either solitary or in small groups, found in abdomens of ♀ *Nycteribia*; bacterial flora of *Nycteribia biarticulata*, *blasii*, *blainvillei* & *Nycteribosca kollari*, pp. 402-412.

1946. The symbiosis of *Eucampsipoda aegyptia* Mcq. *Bull. Soc. Ent. Egypte* **30**: 1-6, 5 figs. — Main role of symbiotic bacteria in this fly is to supply certain vitamins to growing larva.

Ash, John S.

1955. Some records of bird and mammal ectoparasites. *Ent. Mon. Mag.* **91**: 64-65. — *Listropoda latreillei* ex *Myotis*, Britain, p. 65.

Audcent, H.

*1934. Bristol insect fauna. Part VII and last. *Proc. Bristol Nat. Soc.* (4), **7**: 528-537. — *Nycteribia (Celeripes) biarticulata* ex "various spp. of bats", p. 537.

*1950. Bristol insect fauna. Diptera: Nycteribiidae. *Proc. Bristol Nat. Soc.* **28**: 126. — *Nyct. biarticulata* listed.

Audouin, Jean V., E. Blanchard, L. Doyère & H. Milne-Edwards

1849. Les insectes. Partie II. In G. Cuvier: Le règne animal. Edition accompagnée des planches gravées. 443 pp., pls. 76-182. Paris (Masson). [Diptera in this vol., probably by Blanchard]. [This is part of the 4th or the so-called "disciples edition" of Cuvier's work, cf. Latreille 1829b.] — *Strebla*, *Nycteribia* briefly noted, pp. 431-432; *S. vespertilionis*, *N. vespertilionis* (pl. 182, figs. 6, 8) figured after Macquart 1835.

Audouin, J. V. & H. Milne-Edwards

1828. Résumé entomologique ou Tom. II. Histoire naturelle des insectes. 260 pp. Paris (Bur. Encycl. Portative). — Tribu Phthyromyies (!) (Diptères: fam. Pupipares) for *Nycteribia*, p. 208.

Augustson, G. F.

1943. A new parasitic fly from bats. *Bull. S. Calif. Acad. Sci.* **42**: 52-53, 2 figs. — *Trichobius adamsi* n. sp., Arizona & California.

Augustson, G. F. & S. F. Wood

1953. Notes on Californian mammal ectoparasites from the Sierra Nevada foothills of Madera County. *Bull. S. Calif. Acad. Sci.* **52**: 48-56. — *Basilia antrozoi*, 114 flies ex 204 *Antrozous pallidus*, p. 50.

Awati, P. R.

1922. Survey of biting insects of Assam with reference to kala-azar for the whole year from November 1921 to October 1922. Biting insects found in dwelling-houses. *Indian J. Med. Res.* **10**: 579-591, 4 figs. — 2 *Penicillidia* spp., rec.

Ayrosa Galvão, A. L. (see Pessôa & Ayrosa Galvão)

Baggini, A.

1961. Sulla distribuzione della Fauna cavernicola italiana nella categorie biospele-

ologiche. *Rass. Speleol. Ital.* **13**: 3-33. — *Celeripes biarticulata*, *Listropodia pedicularia*, *Penicillidia dufouri*, p. 15.

Bal, D. V. (see Hiregaudar & Bal)

Bal, D. V. & F. Ahmad

1949a. Two ectoparasites of the bat *Rousettus leschenaulti* Desm. *Curr. Sci.*, Bangalore **18**: 179. — *Eucampsipoda hyrtlíi*, *Nycteribosca gigantea*, India rec.

1949b. Two dipterous ectoparasites from a bat. (Abstract). *Proc. 36th Indian Sci. Congr.* (Allahabad 1949): 158. — *Euc. hyrtlíi*, *N. gigantea*.

Balazuc, J. (see van Heerdt & Sluiter)

Balazuc, N., E. Dresco, H. Henrot & J. Nègre

1951. Biologie des carrières souterraines de la région Parisienne. *Vie et Milieu* (Bull. Lab. Arago, Univ. Paris) **2**: 301-334, 2 pls., 1 map. — *Nycteribia vexata*, p. 314; *N. pedicularia*, p. 315.

Balcells Rocamora, E.

*1952. Los quirópteros de la Cueva de Vallmajor (Tarragona). *Speleon*, Oviedo **3**: 147-150. — *Nycteribia schmidli*, *biarticulata*, rec.

*1954. Quirópteros de cuevas catalanas: Campaña 1952-53. *Speleon*, Oviedo **5**: 105-110. — *N. schmidli*, *biarticulata*, *Basilía nana*, rec.

*1955. Quirópteros del territorio español: 3ª nota. *Speleon*, Oviedo **6**: 73-86. — *N. schmidli*, *biarticulata*, *Penicillidia dufouri*, *conspicua*, *Nycteribosca kollari*, rec.

1956a. Datos para el estudio de la fauna Pupipara de los quirópteros en España (w. English summary). *Speleon*, Oviedo **6**: 287-312, 9 figs. — Streb. (1 sp.), Nyct. (8 spp. in 3 g.) found in 21 Spanish caves; Laboulbeniales found on *Nycteribia vexata*, *Penicillidia conspicua* & *Basilía nana*; pupal stage of *B. nana* taking 22 days; no flies on very solitary bat *Rhinolophus hipposideros*; *Penicillidia* always found on gregarious bats.

1956b. Estudio biológico y biométrico de *Myotis nattereri*. *Publ. Inst. Biol. Aplic.*, Barcelona **23**: 37-81. — *Penicillidia dufouri*, *Basilía nana*, Spain rec.

1959a. Quirópteros de cuevas españolas recolectados desde 1955 a 1959. *Speleon*, Oviedo **10**: 75-94. — *Nycteribia biarticulata* ex *Rhinolophus*, *N. schmidli* ex *Miniopterus*.

*1959b. El estudio biológico de las cavidades subterráneas. *Mem. Asambl. Reg. Espeleología Carranza* (Vizcaya 1958). 63 pp., Bilbao.

1961. Las moscos ápteras (Nycteribiidae) de los murciélagos cavernícolas del Norte-Central Ibérico, con un resumen descriptivo de la biología del grupo. *Munibe*, San Sebastián **13**: 144-154, 1 map. — 1 *Basilía*, 2 *Nycteribia*, 2 *Penicillidia* spp., rec., biol.

1963. Nuevos datos faunísticos de murciélagos y nictéribidos del País Vasco-Navarro: Campaña de 1961. *Munibe*, San Sebastián **15**: 56-61. — *Nycteribia biarticulata*, *schmidli*, pp. 58-59.

1964. Resumen del estado actual del conocimiento de los nictéribidos y estreblidos parásitos de murciélagos Ibéricos. *Proc. 1st Int. Congr. Parasit.* (Roma 1964) **2**: 1000-1001.

[Author's name wrongly given as E. R. Balcells]. — 10 spp. known fr. Iberia, of which 7 widespread in Europe, 2 (*Nycteribosca kollari*, *Nycteribia pedicularia*) circum-Mediterranean, 1 (*Basilia bathybothyra*) originally fr. Orient.

1965. Nuevos datos sobre murciélagos raros en cuevas españolas. *Misc.Zool.*, Barcelona **2**: 149-160. — *Nycteribia schmidli* ex *Myotis blythi*, p. 150; *N. biarticulata* ex *Barbastella barbastellus*, p. 159.

1967. Murciélagos y nictéribidos del Levante español. *Bolet. R. Soc. Espan. Hist. Nat. (Biol.)* **65**: 199-224. (w. German & English summaries). — 1 Streb., 8 Nyct. spp. (in 3 g.), 30 specimens, rec.; 53 biotopes described; 4 ecological groups recognized (anthrophiles, mediterranean steppe, montane, plain/coastal) for 15 spp. of bats.

1968a. Nuevas citas de murciélagos y nictéribidos del País Vasco-Cantábrico. *Boll. R. Soc. Espan. Hist. Nat. (Biol.)* **66**: 17-38. (w. German & English summaries). — Nyct., 6 spp. in 3 g., rec.; 53 biotopes (mostly hibernation sites) described; *Basilia nattereri* ex hibernating *Plecotus* considered an indication of Atlantic-European nature of the fauna.

1968b. Revision faunística de nictéribidos y estreblidos de quirópteros españolas y su especificidad. *Revista Iber. Parasitol.* **28**: 19-31 (w. English summary). — Spanish, C. European & Middle Eastern records (fr. 1923 & onward) of 4 Streb. & 16 Nyct. spp., & relative frequency of batflies as a whole on 26 spp. of European & Middle Eastern bats summarized in tables; faunistics of these batflies analyzed; host specificity, cohabitation & Laboulbeniales-infection briefly discussed; 1 Streb. & 10 Nyct. spp. occurring in Spain.

Banks, Nathan

1911. A note on *Ascodipteron*. *Proc. Ent. Soc. Wash.* **13**: 149-150, 1 pl. — *A. emballonurae* n. sp. ex *Emballonura*, Borneo.

Barbour, Thomas

1910. A note regarding the life history of *Ascodipteron*. *Psyche* **17**: 165. — Summary of F. Muir's observation in Amboina (see Muir 1911).

Barr, Thomas C., Jr. & J. R. Reddell

1967. The arthropod cave fauna of the Carlsbad Cavern Region, New Mexico. *Southw. Naturalist* **12**: 253-273, 2 figs. — *Trichobius major*, p. 267; Streblid indet., p. 268.

Barrera, Alfredo

1958. Insectos parásitos de mamíferos salvajes de Omiltemi, Gro., y descripción de un nuevo Sifonáptero: ... *An. Esc. Nac. Cien. Biol.*, Mexico, D. F. **9**: 89-96, 3 figs. — *Trichobius parasiticus* ex *Desmodus rotundus*, p. 91.

Bau, Arminius

1929. Die Pupipara der Dipteren-Sammlung Victor v. Röder. *Zool. Anz.* **85**: 9-15. — Nyct. (9 spp. in 3 g.), Streb. (5 spp. in 3 g.), pp. 11-12; rec. for Germany, Switzerland, Greece, Tonga Is., Cuba, Brazil; *Strebla mexicana*, status discussed.

1930a. Die Dipteren-Ausbeute der Sunda-Expedition Rensch. I. Diptera Pupipara. *Zool. Anz.* **88**: 289-291. — *Cyclopodia macrura*, Flores & St. Mathias group, p. 290; *C. horsfieldi*, Lombok, p. 291.

1930b. Die Ausbeute der deutschen Chaco-Expedition 1925/26. Diptera. XX. Pupipara. *Konowia* **9**: 209-213. — *Acrocholidia bellardii*, p. 213.

Bearup, A. J. & J. J. Lawrence

1947. A search for the vector of *Plasmodium pteropi* Breinl. *Proc. Linn. Soc. N. S. Wales* **71**: 197-200. — *Pteropus gouldi*, *conspicillatus* & *scapulatus* in Australia having gametocytes in their blood and all parasitized by *Cyclopodia albertisii*, of which the midgut and salivary gland of 49 flies were dissected but w. no evidence of infection.

Beaucournu, J. C.

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1962a. Ectoparasites des Chiroptères de l'Ouest de la France. 2^e Partie. Siphonaptères, hôtes et biotopes. *Bull. Soc. Sci. Bretagne* **37**: 129-149. — Nyct., biotopes.

1962b. Nouvelles captures de Nycteribiidae en France. *Ann. Parasit. Hum. Comp.* **37**: 366-373. — Nyct.: 9 spp. in 3 g., rec.; host rec. analyzed.

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*1885. *Nycteribia* from bat. *J. Microsc. Nat. Sci. (J. Postal Microsc. Soc.)* **4**: 261. — "This parasite is very uncommon. I had a large quantity of bats brought to me from one hole in a tree but on only one specimen were there any Nycteribiae, and on that, eight only were found." [Names of bats and locality not mentioned, probably fr. nr. Brigg, Lincolnshire].

Becker, Theodor

1903. Aegyptische Dipteren. *Mitt. Zool. Mus. Berlin* **2**: 1-195, 5 pls. — *Raymondia huberi*, *Nycteribosca kollari*, *Eucampsipoda aegyptia*, checklist, p. 193.

1922. Wissenschaftliche Ergebnisse der mit Unterstützung der Akademie der Wissenschaften in Wien aus der Erbschaft Treitl von F. Werner unternommenen zoologischen Expedition nach Anglo-Aegyptischen Sudan (Kordofan) 1914. VI. Diptera. *Denkschr. Akad. Wiss. Wien, Math-Naturw. Kl.* **98**: 57-82. — *Nycteribia* sp. ex *Scotophilus*, p. 78.

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* 1927. A check-list and host list of the external parasites found on South African Mammalia, Aves and Reptilia. *11th & 12th Rep. Dir. Vet. Res. S. Afr.* **1**: 705-817.

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1936. A synoptic check-list and host-list of the ectoparasites found on South African Mammalia, Aves and Reptilia (Supplement No. 1). *Onderstepoort J. Vet. Sci. Anim. Ind.* **7**: 69-110.

Bels, P. J.

1940. Over Pupipara, parasieten van vleermuizen. II. *Tijds. Ent.* **83** (Verslag): xxxiii-xxxvi, 1 table. — *Basilina nattereri*, *Listropodia latreillei* & *Penicillidia dufourii* ex *Myotis* spp.

1941. Over Pupipara, parasieten van vleermuizen. III. *Tijds. Ent.* **84** (Verslag): lvii-lxi, 3 tables. — *Myotis daubentonii* parasitized by *Listropodia blasii*; *M. mystacinus* & *Plecotus auritus* found free of flies.

Bels P. J. & L. Bels

1939. Over Pupipara, parasieten van vleermuizen. *Tijds. Ent.* **82** (Verslag): xlviii-liii. — *Penicillidia dufouri*, *Listropodia blasii*, *Basilina nattereri*, data in Holland summarized.

Beneden, P. J. van (*see* van Beneden, P. J.)

Beneway, D. F. (*see* Byers et al.)

Benoit, P. L. G.

1964. Mission de zoologie médicale au Maniema (Congo Leopoldville). Diptera - Streblidae et Hippoboscidae. *Ann. Mus. Afr. Centr.*, Tervuren (ser. 8), *Sci. Zool.* **132**: 273-279. — *Raymondia seminuda* (p. 275), *Raymondioides leleupi* (p. 276), rec.

Bequaert, Joseph C. (*see also* Rodhain & Bequaert)

1926. Medical and economic entomology. *Med. Rept. Hamilton Rice 7th Exped. Amazon, 1924-25 (Contrib. Harvard Inst. Trop. Biol. Med.* **4**): 155-257, 9 figs, pls. 61-67. — Nyct., pp. 243-245; *Nycteribia bellardii*, probably a *Basilina*; *N. flava* (w. translation of o.d.), probably=*silvae*, =*speiseri*; *Cyclopodia silvae*, translation of o.d.; *Bas. speiseri*, Brazil rec.

1933. Contribution to the entomology of Yucatan. In G. C. Shattuck: The Peninsula of Yucatan, medical, biological, meteorological and sociological studies. *Carnegie Inst. Washington Publ.* **431**: 547-576, 4 figs., 2 maps. — 1 *Euctenodes*, 4 *Trichobius* spp. rec.; *T. hirsutulus* n. sp.; *T. wiedemanni*, status.

1940. Moscas parasitas Pupiparas de Colombia y Panama. *Rev. Acad. Colomb. Cienc.* **3**: 414-418. — Streb., key to 15 New World g.; 2 Nyct., 16 Streb. spp., annotated list.

1942a. A monograph of the Melophaginae, or kedflies of sheep, goats, deer and antelopes (Diptera, Hippoboscidae). *Ent. Amer.* (n.s.) **22**: 1-220, 19 figs. — *Lipoptena tolisina* (p. 46), *L. dubia*, *L. phyllostomatis* (p. 210), status.

1942b. The Diptera Pupipara of Venezuela. *Bol. Ent. Venez.* **1**: 79-88. — Streb., key to 16 New World g.; 2 Nyct., 11 Streb. spp., annotated list.

1953a. Hippoboscidae and Nycteribiidae. *Parc Nat. Albert, Miss. de Witte (1933-35)*, Bruxelles **79**: 89-94. — *Penicillidia bathybothyra*, p. 94, rec. for Belg. Congo, Burma, Cyprus, Sierra Leone, Liberia.

1953b. The Hippoboscidae or louse-flies of mammals and birds. Part I. Structure, physiology and natural history. *Ent. Amer.* (n.s.) **32**: 1-209, 21 figs.; **33**: 211-442. — Head structure, reproductive system, chromosome behavior, host specificity of Nyct.-Streb. vs Hippoboscidae compared, pp. 15, 26, 29, 56, 81, 86, 88, 98, 139, 174, 282, 332; *Cyclopodia plenoptena*=*C. ferrarii*; *Strebla avium*, probably a *Trichobius*; very extensive bibliography (largely for Hippoboscidae).

1954. The Hippoboscidae or louse-flies of mammals and birds. Part II. Taxonomy, evolution and revision of American genera and species. *Ent. Amer.* (n. s.) **34**: 1-232, figs. 22-44. [Cont'd 1955 in **35**: 233-416, figs. 45-82 & 1957 in **36**: 417-611, figs. 83-104]. — Nyct.-Streb. & other Pupipara taxonomy, historical account, pp. 4-6, 574; evolution, pp. 9, 42, 44, 45, 46, 50, 51, 53, 54, 62, 69, 80; *Lipoptena dubia*, *tolisina*, *phyllostomatis*, status, p. 487.

Beron, Petâr (see Guéorguiev & Beron)

Bettini, S. (see Saccà & Bettini)

Bezzi, Mario

1891. Contribuzione alla fauna ditterologica della Provincia de Pavia. Parte prima. *Boll. Soc. Ent. Ital.* **23**: 21-91. — *Nycteribia schmidtii* (!), p. 90.

1892. Contribuzione alla fauna ditterologica della Provincia de Pavia. Parte seconda. *Boll. Soc. Ent. Ital.* **24**: 64-82, 97-151. — *Nycteribia leachii*, *schmidtii* (!), p. 148.

1893. Gli insetti epizoi o insetti che vivono su altri animali. Loro costumi, caratteri, classificazione; modo di raccogliarli e conservarli. *Riv. Ital. Sci. Nat.*, Sienna **13**: 17-20, 49-53, 73-77, 97-99, 105-107, 122-125, 136-142, 145-146. [Cont'd 1894 in **14**: 10-13, 22-28; Italian version of next article]. — Nyct., list of 7 g. (p. 122): *Cyclopodia*, *Eucampsipodia*, *Listropodia*, *Penicillidia*, *Acrocholidia*, *Stylidia*, *Megistopoda*; Streb., list of 4 g. (p. 123): *Kolenatia*, *Strebla*, *Raymondia*, *Brachytarsina* †*Euctenodes* listed under Hippoboscidae, p. 123; index to g. for entire paper, pp. 138-139; hosts-parasites index, pp. 139-142, 145-146, incl. 12 Nyct. spp. ex 4 g. of European bats: *hermanni*, *dufourii*, *westwoodi* Kol., *vexata*, *latreillei*, *bechsteinii*, *blasii*, *nattereri*, *leachii*, *schmidtii* (!), *ercolanii*, *montagui*.

1897. Les insectes épizoiques. Leur moeurs, leur caractères, leur classification, manière de les recueillir et de les conserver. *Misc. Ent.* **5**: 5-7, 17-19, 118-120. [Cont'd from **1**: 86-87 etc. 1893; **4**: 48-52, 59-60 etc. 1896]. — Nyct., list of 7 g., p. 6; Streb., list of 4 g., p. 17, with *Euctenodes* listed under Hippoboscidae, p. 17. [No hosts-parasites index. See preceding article]

1900. Sulla presenza del genere *Chionea* Dalman in Italia, e la riduzione delle ali nei Ditteri. *Rend. Istit. Lombardo Sci. Lett.* (2), **33**: 511-526. — Nyct.-Streb. briefly mentioned.

1903. Alcune notizie sui Ditteri cavernicoli. *Riv. Ital. Speleogica*, Bologna **1** (2): 8-16. — *Penicillidia dufourii* ex *Pipistrellus*, France, p. 14.

1905. Diptera Pupipara. In K. Kertész et al.: Katalog der paläarktischen Dipteren, Budapest **4**: 273-292. — Streb., 4 spp. in 3 g., pp. 284-285; Nyct., 14 spp. in 3 g., pp. 285-289.

1907. Ulteriori notizie sulla Ditterofauna della caverne. *Atti Soc. Ital. Sci. Nat.* **46**: 3-12. — Nyct. & Streb. (without mentioning g. & spp.) considered as of faunistic significance.

1908. Ditteri Eritrei raccolti dal Dott. Andreini e dal Prof. Tellini. Parte II. *Boll. Soc. Ent. Ital.* **39** (for 1907): 3-199. — Checklist of African Nyct. (17 spp. in 4 g.) & Streb. (6 spp. in 4 g.), p. 199.

1915. Missione scientifica Stefanini-Paoli nella Somalia italiana meridionale 1913. Ditteri raccolti nella Somalia italiana meridionale. *Redia* **10**: 219-233, 1 fig. — *Raymondia huberi*, des., p. 231; *Ascodipteron lophotes*, identity, affinity, p. 232.

1916. Riduzione e scomparsa delle ali negli insetti ditteri. "Natura", *Riv. Sci. Nat.*, Milano **7**: 85-182, [double pagination, also as 5-102], 11 figs. — Brachypterism & apterism in Diptera, general discussion; 14 Streb. brachy- & apterous spp. (in 6 g.), 54 Nyct. spp. (in 7 g.) listed.

Bezzi, M. & T. de Stefani-Perez

1897. Enumerazione dei Ditteri fino ad ora raccolti in Sicilia. *Naturalista Sicil.* (n. s.) **2**: 25-72. — *Nycteribia leachii*, p. 72.

Bianchi, C., L. di Caporiacco, M. G. Massera & A. Valle

1949. Raccolte faunistiche della grotta della Spipola (Bologna). *Commentat. Pontif. Acad. Sci.*, Vatican **13**: 493-527, 9 figs. — *Penicillidia dufouri*, *conspicua*, *Listropodia schmidti* (!), p. 525; *Celeripes biarticulatus*, *Nycteribosca africana*, p. 526.

Bigot, Jacques M. F.

1852. Essai d'une classification générale et synoptique de l'ordre des insectes Diptères. *Ann. Soc. Ent. Fr.* (2), **19**: 471-489. — Tribu Phthiromyidii (fam. Cryptocères) for Nyct., Coriacidii for Streb. etc.

1860. Diptères exotiques nouveaux. *Ann. Soc. Ent. Fr.* (3), **8**: 219-228. — *Nycteribia oxycephala* n. sp. Loyalty Is.; *Oxycephalus* n. g.

1885. Diptères nouveaux au peu connus. 27^e partie. XXXV. Famille des Anomalocerati (mihi) ἀνομαλον—χερας (Coriacaе, Pupipara, Nycteribidae, auctor). *Ann. Soc. Ent. Fr.* (6), **5**: 225-246. — Diptera divided into Omalocerati & Anomalocerati, latter subdivided into tribes Zoobiae, Melitobiae & Nycteribiae; Zoobiae divided into curies Streblidi & Zcobidi; Streblidi incl. 4 g. (key, p. 232); Zcobidi incl. *Euctenodes*, *Polyctenes*, *Carnus*, & 10 hippoboscid g.; 3 g. (key, p. 235) recognized for Nycteribiae: *Megistopoda*, *Cyclopodia*, *Nycteribia*; *N. mexicana* (Mexico), *oceanica* (New Caledonia), *fulvida* (Cape of Good Hope) n. spp.

1891. Voyage de M. Ch. Alluaud dans de territoire d'Assinie (Afrique occidentale) en juillet et août 1886. 8^e Memoire. Diptères. *Ann. Soc. Ent. Fr.* **60**: 365-386. — *Cyclopodia rubiginosa* n. sp., Ivory Coast.

1892. Catalogue of the Diptera of the Oriental region. Part III. *J. Asiat. Soc.*

Bengal 41: 178-236. [Part I in 40: 250-282, 1891; Part II in 41: 133-178, 1892]. — *Raymondia* (2 spp.), *Nycteribia* (6 spp.) listed, p. 236.

Billberg, Gustav J.

*1820. Enumeratio insectorum in Museo Gust. Joh. Billberg. 138 pp. Stockholm (Gadel). — *Nycteribia* placed under *Nycteriaedes*.

Bitsch, Jacques

1957. Tableau de détermination des Nycteribiidae de France. *Trav. Lab. Zool., Dijon* 22: 15-23, 13 figs. — 3 *Penicillidia*, 3 *Basilia* & 6 *Nycteribia* spp. included; drawings adapted fr. Theodor 1954a.

Blanchard, C. Émile (see also Audouin, Blanchard et al.)

1840. Histoire naturelle des insectes. Orthoptères, Névroptères, Hémiptères, Hyménoptères, Lépidoptères et Diptères. In: F. L. Laporte de Castelnau: Hist. Nat. des Anim. Articulés 3: 1-672, 72 pls. Paris (Duménil). — *Strebla vespertilionis* placed under fam. Ornithomyens: Ornithomyites, p. 630; *Nycteribia vespertilionis*, under Ornithomyens: Nycteribites, p. 632; brief generic des.

1845. Histoire des insectes, ... Tome II. Coleoptères ... 524 pp., 10 pls. Paris (D. Frères). [Republished in Paris by F. Savy, only with change of title into "Histoire naturelle des insectes"]. — *Strebla* (& 2 other g.) under tribu Ornithomyiens: group Ornithomyites, *Nycteribia* under Ornithomyiens: Nycteribiites, p. 501; brief notes on *S. vespertilionis*, *N. vespertilionis*, p. 502.

Blank, F. (see Byers et al.)

Bodenheimer, Fritz S.

1937. Prodromus faunae palestinae. Essai sur les éléments zoogéographiques et historiques du sud ouest du Sous-Règne Palaearctique. *Mem. Inst. Egypte, Cairo* 33: 1-286. — *Nycteribosca kollari*, *Nycteribia* (?) *biarticulata*, *blainvillei*, *blasii* listed, p. 193.

Bogdanov, O. P.

*1953. Fauna Uzbekoj SSR. Tome 3, Mlekopitajuscie, partie 2, Rukokrylye. 158 pp. Tashkent (Akad. Nauk Uzb. SSR). — *Nycteribia* sp., *N. vexata*, *N. pedicularia*, *Penicillidia* sp., rec.

Boldori, Leonida

1927. Contributo alla conoscenza della fauna cavernicola Lombarda. Quattro anni di ricerche nelle caverne Lombarde. *Mem. Soc. Ent. Ital.* 6: 90-110. — *Penicillidia dufouri* p. 92; *Nycteribia biarticulata* p. 107.

1936. Ricerche in caverne italiane. IVa Serie. 1934-1935. "Natura", *Rev. Sci. Nat.*, Milano 27: 106-114. — *Listropodia schmidli*, *Penicillidia conspicua*, p. 114.

Bond, Richard M. & G. A. Seaman

1958. Notes on a colony of *Brachyphylla cavernarum*. *J. Mammal.* 39: 150-151. — "A few streblids found in old buildings."

Bradshaw, Gordon V. R. & A. Ross

1961. Ectoparasites of Arizona bats. *J. Arizona Acad. Sci.* **1**: 109-112. — 4 *Trichobius*, 1 *Nycterophilia* & 2 *Basilis* spp. ex 7 spp. (in 6 g.) of bats.

Braga, José M.

1941. Contribuição para o estudo dos Dipteros Pupiparos da fauna Portuguesa. *An. Fac. Cienc. Pôrto* **26**: 230-237. [Also in 1941. *Publ. Inst. Fac. Cienc. Pôrto* **8**: 1-14; 1942. *Bol. Soc. Portug. Cienc. Nat.* **13** (Suppl. 3): 578-582; 1942. *Actas I Congr. Cienc. Nat.* (Lisboa 1941): 578-582]. — 2 *Nycteribosca* (1 unnamed), 2 *Penicillidia*, 4 *Nycteribia* (plus 1 var.) spp., annotated list.

Brauer, Friedrich M.

*1871. Bericht über die Leistungen im der Naturgeschichte der Insekten während des Jahre 1870. *Arch. Naturg.* **37** (2): 161-280. — *Arthrorhynchus* (= *Sigmatomyces*).

Brèthes, Juan

1908. Catálogo de los Dipteros de las Repùblicas del Plata. *An. Mus. Nac.*, Buenos Aires (3), **9**: 277-305. — *Metelasmus pseudopterus*, *Nycteribia flava*, p. 302.

1913. Une nouvelle espèce de Diptère Pupipara du Chili. *Bol. Mus. Nac.*, Buenos Aires (3), **5**: 297-300, 1 pl. [Also in *Rev. Chilena Hist. Nat.* **17**: 201-204, 1 fig.] — *Cyclopodia* (= *Basilis*, = *Pseudelytromyia*) *silvae* n. sp.

Broek, E. van den (see Schuurmans Stekhoven & van den Broek)

Brues, Charles T.

1904. Notes on *Trichobius* and the systematic position of the Streblidae. *Bull. Amer. Mus. Nat. Hist.* **20**: 131-134, 1 fig. — *T. major*, redes.; Streb., venation & mouthparts more generalized and quite different fr. Hippoboscidae.

Brunetti, Enrico A.

1888. Collecting Diptera. *Entomologist* **21**: 241-246. — "Nycteribiidae: 1 or 2 species are British", p. 246.

Bullock, John A.

1965. Note on the faunistic list from Batu Caves. *Malayan Nature J.* **19**: 64. — *Nycteribosca amboinensis* R.-Desvoidy (!) listed [evidently after Pendlebury 1929].

Burmeister, Hermann C. C.

1837. Handbuch der Naturgeschichte. **2**: i-xii, 369-858. Berlin (T. C. F. Enslin). [Entire work in 2 consecutively paged vols., vol. 1 published 1836]. — *Nycteribia* (& *Braula*) placed in fam. Phthiromyia, p. 611.

Byers, George W., F. Blank, W. J. Hanson, D. F. Beneway & R. W. Fredrichson

1962. Catalogue of the types in the Snow Entomological Museum. Part III. Diptera. *Univ. Kansas Sci Bull.* **43**: 131-181. — Nyct., p. 157.

Camicas, J. L.

1968. Description du mâle de *Raymondia scopigera* Jobling, 1954. *Bull. Inst. Fr. Afr. Noire* **30A**: 1486-1492, 12 figs. — Redes., Senegal rec.

Caporiacco, L. di (*see* Bianchi et al.)

Carlisle, R. W. & S. Skillen

*1960. Parasites on Irish bats. *Irish Nature J.* **13**: 166-169. — *Nycteribia kolenatii* ex *Myotis daubentoni*.

Castellernau, I. Sala (*see* Sala Castellernau, I.)

Caudell, Andrew N.

1924. Some insects from the Chilibrillo bat caves of Panama. *Insect. Inscit. Menstr.* **12**: 133-136, 1 pl. — *Nycterophilia coxata*, *Trichobius caecus*, rec.

Chalupský, Josef (*see also* Hürka & Chalupský)

1956. Pupipara (Diptera) collectionnés par Prof. Jaroslov Storkán. (In Czech, w. Russian & French summaries). *Acta Soc. Zool. Bohemoslov.* **20**: 143-146. — 4 *Nycteribia*, 2 *Penicillidia* spp., Macedonia rec.; 1 *Nycteribia* sp., Czechoslovakia rec.

Chapman, D. I. & P. M. Hammond

1962. A preliminary report on investigations in the Deneholes at Hangsman's Wood, Grays, Essex. *Essex Nat.* **31**: 8-13. — *Nycteribia (Listropodia) latreillei* ex *Myotis daubentoni* or *M. nattereri*.

Charbonnier, Henry J.

*1912. The Diptera of the Bristol District. *Proc. Bristol Nat. Soc.* (4), **3** (2): 50-75. — *Nycteribia hermanni* ex *Rhinolophus*, p. 75.

*1920. Notes on the Diptera of Somerset. Part IV. *Proc. Somersetsh. Archaeol. Nat. Hist. Soc.* **65**: 96. — *Nycteribia hermanni* ex *Rhinolophus hipposideros*, repeating above rec.

Chatton, Edouard P. L.

1909. Sur un Trypanosomide nouveau d'un Nyctéribie, et sur les relations des formes *Trypanosoma*, *Herpetomonas*, *Leptomonas* et *Crithidia*. *C. R. Soc. Biol.*, Paris **67**: 42-44, 10 figs. — *Crithidia nycteribiae* n. sp. ex *Cyclopodia sykesi*.

Choudhuri, D. K. & S. K. Mitra

1965. A new species of the bat-fly genus *Cyclopodia* Kolenati 1862. *Proc. Zool. Soc., Calcutta* **18**: 63-70, 8 figs. — *C. kalyania* n. sp., India.

Cockerell, Theodore D. A.

1894. A supplementary note to Mr. Johnson's list of Jamaican Diptera. *Proc. Acad. Sci. Philad.* **46**: 419-420. — *Trichobius dugesii* listed, p. 420.

1910. A new dipterous parasite of bats. *Canad. Ent.* **42**: 59-60. — *Trichobius corynorhini* n. sp., Colorado.

Cole, Frank R.

1927. A study of the terminal abdominal structures of male Diptera (two-winged flies). *Proc. Calif. Acad. Sci.* (4), **16**: 397-499, 287 figs. — *Paradyschiria fusca*, p. 453; *Penicillidia dufourii*, *P. antrozoi*, *Nycteribia westwoodi*, *N. biarticulata*, *Eucampsipoda* sp., *Cyclopodia ferrarii*, *C. hopei*, p. 454; figs. 285-286.

Collado, J. Gil (*see* Gil Collado, J.)

Collart, Albert

1933. [*Nycteribia vexata*, new to Belgium]. *Bull. Ann. Soc. Ent. Belg.* **73**: 161.

Colless, Donald H.

1970a. Streblidae. In I. M. Mackerras (ed.), C. S. I. R. O. Div. Ent. (sponsor): The insects of Australia: 738, fig. 34.37 c. [Entire work xiii+1029 pp., 504 figs., 8 col. pls. Melbourne (Univ. Press).] — General remarks; *Brachytarsina uniformis* (nom. nud.) wing figured.

1970b. Nycteribiidae. In I. M. Mackerras (ed.), C. S. I. R. O. Div. Ent. (sponsor): The insects of Australia: 738-739, fig. 34.47 b. — General remarks; 1 *Basilia*, 1 *Cyclopodia* sp. mentioned; *C. albertisii* figured.

Collett, Robert

*1911. Norges pattedyr. x+744 pp., figs., maps. Kristiana. — *Nycteribia hermanni* rec., p. 46.

Collins, Benjamin J.

1931. The confused nomenclature of *Nycteribia* Latreille, 1796 and *Spinturnix* Heyden, 1826. *U. S. Treasury Dept. Nat. Inst. Hlth Bull.* **155**: 743-765, 11 figs. (plus pp. 769-780, index for both this article & Stiles & Nolan 1931). — Historical review, w. critique on earlier authors' interpretations of Linnean (1758) description of *Pediculus vespertilionis*; on basis of Linnean citation of Frisch's (1728) paper and disregarding other evidence, *P. vespertilionis* accepted as a mite, not an insect.

Colyer, Charles N. & C. O. Hammond

1951. Flies of the British Isles. 383 pp., 17 figs., 48 col. pls., 55 half-tone pls. London & New York (F. Werne). — *Nycteribia biarticulata* ex *Rhinolophus* & *Pipistrellus*, p. 316, pl. 16 (4); *N. latreillei* ex *Myotis*, p. 316. [Revised ed. (1968) incl. *N. biarticulata*, *N. kolenatii*, *Basilia nana*].

Conci, Cesare

1952. Res Ligusticae. LXXXVIII. Le Arene Candide N. 34 Li. *Doriana* (Suppl. Ann. Mus. Stor. Nat. Genova) **1** (24): 1-12, 1 graph. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 11.

Conci, C. & T. Franceschi

1953. Le grotte di Pignone e la loro fauna (La Spezia). *Rass. Speleol. Ital.* **5**: 43-49, 3 figs. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 47.

Cooper, Kenneth W.

1942. Reports from recipients of grants from the research fund. An investigation of the aberrant chromosome behavior in the male germ cells of flies parasitic on tropical bats and vultures. *Y. B. Amer. Philos. Soc.* 1941: 122-127. — Chromosomes apparently $n=5$ in all Nyct.-Streb. studied: *Basilina myotis*, *Euctenodes mirabilis*, *Paradyschiria dubia*, *Pterellipsis aranea*, *Aspidoptera busckii*, *Speiseria ambigua*, *Trichobius dugesii*, *T. caecus*.

Coquillett, Daniel W.

1899. New genera and species of Nycteribidae and Hippoboscidae. *Canad. Ent.* **31**: 333-336. — *Pterellipsis* (n. g.) *aranea* (Jamaica, Montserrat, Puerto Rico), *Trichobius major* (Florida, Arizona), *Aspidoptera* (n. g.) *busckii* (Puerto Rico) n. spp.

1900. Report on a collection of dipterous insects from Puerto Rico. *Proc. U. S. Nat. Mus.* **22**: 249-270. — 1 *Trichobius* (also from Arizona), 1 *Aspidoptera*, 1 *Pterellipsis* sp., rec.

1907. Notes and descriptions of Hippoboscidae and Streblidae. *Ent. News* **18**: 290-292, 1 fig. — *Metelasmus pseudopterus* n. g. & sp., Paraguay; *Pterellipsis aranea*, distinct fr. *phyllostomatis*.

1910. The type-species of North American genera of Diptera. *Proc. U. S. Nat. Mus.* **37**: 499-647. — *Penicillidia*, *Phthiridium*, *Listropodia*, *Acrocholidia*, types designated.

Corradetti, Augusto

1934. Sui Nycteribiidae della Campagna Romana. *Riv. Malariol.* (Sez. 1), **13**: 338-352, 2 pls. — Nyct., general account; key to 6 g., world, p. 347; 6 local spp. (in 3 g.), des.

1936. Alcuni protozoi parassiti di Nycteribiidae del genere *Listropoda*. *Annali d'Igiene*, Roma **46**: 444-450, 1 pl. — *Crithidia listropodae* n. sp. ex *Listropoda schmidli*.

Corradetti, A. & G. Lupascu

1941. Studi sull'ipopigio maschile dei Nycteribiidae. *Riv. Parassit.* **5**: 85-99, 9 figs. [Also in: *Rend. Istit. Sanita Pubblica*, Roma **4**: 409-417, 2 figs., 4 pls.] — *Penicillidia dufouri*, *P. conspicua*, *Celeripes biarticulata*, *Listropoda schmidli*, *L. pedicularia*, ♂ hypopygia, des.

Costa Lima, Angelo M. da

1921. Sobre os Streblideos americanos. *Arch. Esc. Agric. Med. Vet.*, Nictheroy **5**: 17-34, 2 pls. — American Streb., key to 12 g., list of 17 spp.; *Paratrichobius* n. g.; *Aspidoptera*, key to 4 spp., *minuta* n. sp.; *Pseudostrebla* (n. g.) *ribeiroi* n. sp.; *Trichobius parasiticus*, redes.

Coward, T. A.

1907. On the winter habits of the greater horseshoe, *Rhinolophus ferrumequinum* (Schreber) and other cave-haunting bats. *Proc. Zool. Soc. Lond.* 1907: 312-324. — *Nycteribia hermanni* ex *Rhinolophus*, Cheddar, p. 323.

Crampton, Guy C.

1942. The external morphology of the Diptera. *State of Conn., Geol. & Nat. Hist. Surv. Bull.* **64**: 10-165, 14 figs. [This forms the 1st fascicle of "Guide to the insects of Connecticut. Part VI. The Diptera or true flies of Connecticut." The entire Bull. 64 is totally of 509 pp., 55 figs., 4 pls.] — Streb. -Nyct., phylogenetic relationships discussed, p. 118; Nyct. head-thorax, *Strebla* head, fig.

Curran, Charles H.

1934a. The Diptera of Kartabo, Bartica District, British Guiana, with descriptions of new species from other British Guiana localities. *Bull. Amer. Mus. Nat. Hist.* **66**: 287-532, 54 figs. — *Kesselia pallida* n. g. & sp.; 1 *Trichobius*, 1 *Euctenodes*, 1 *Speiseria* sp., rec.

1934b. The families and genera of North American Diptera. 512 pp., 235 figs., 2 pls. New York (The Author). — Nyct., key to 2 g., p. 476; Streb., key to 12 g., pp. 477-479; *Eldunnia breviceps* n. g. & sp.

1935. New species of Nycteribiidae and Streblidae. *Amer. Mus. Novit.* **765**: 1-15, 12 figs. — *Basilia*, key to 5 Amer. spp., p. 4; *B. dunni, myotis* n. spp.; Streb., key to 15 Amer. g., pp. 5-6; *Speiseria dunni*, n. sp.; *Trichobius*, key to 13 spp., *uniformis, mixtus, blandus* n. spp.; all n. spp. fr. Panama; remarks on known spp.

1945. Insects of the Pacific World. xv+317 pp., 97 figs. New York (MacMillan). — Nyct. -Streb., notes, pp. 76-77; all Nyct. in this area "belong to *Nycteribia*."

Curtis, John

1829. British entomology **6**: pls. 242-289, plus 2 unnumbered pp. of text for each pl. London (The Author). [Entire work 769 pls., in 16 vols., 1824-39; in 2nd printing, all pls. on Diptera bound in vol. 8]. — *Nycteribia latreillei* ex *Vespertilio murinus*, *N. hermanni* ex *Rhinolophus*, pl. 277.

1831. A guide to an arrangement of British insects. 6 pp. + 248 sheets. London (Westley). [Entire work published 1829-31, in 32 pts., 8 sheets each; sheets 161-256 published 1831; 2nd ed., published 1837, 6 pp.+282 sheets+index, w. Nyct. on sheet 278]. — Nyct., sheet 242.

Cuthbertson, Alexander

1937. Biological notes on some Diptera in Southern Rhodesia. *Trans. Rhodesia Sci. Ass.* **35**: 16-34. — *Nycteribosca africana*, *Penicillidia fulvida*, rec., p. 33.

Czerny, Leander & G. Strobl

1910. Spanische Diptera. III. Beitrag. *Verh. Zool. -Bot. Ges. Wien* **59** (for 1909): 121-301. — *Nycteribia biarticulata*, rec., p. 290. (The 2 earlier "Beiträge" were by G. Strobl alone).

Czwalina, Gustav

1893. Neues Verzeichnis der Fliegen Ost- und Westpreussens. *Beilage z. Osterprogramm d. Altstädtischen Gymnasiums, Progr.* **9**: 1-34. — *Nycteribia latreillei, hermanni*, p. 34.

Dalla Torre, Karl W. von

*1878. Beiträge zur Phyto- und Zoostatik. *Lotos, Z. Naturw.*, Prag **27**: 7-208. [Entomologische Notizen aus dem Egerlande, pp. 91-208].

Dalquest, Walter W.

1947. Notes on the natural history of the bat *Corynorhinus rafinesquii* in California. *J. Mammal.* **28**: 17-30. — Unnamed Streb. -Nyct., p. 30.

Dasgupta, Biswapati (*see* Mukerji & Dasgupta)

Decu [=Decou] **-Burghele**, Anca

1962a. Biospeologica. LXXXI. VIII. Diptères Pupipares (2^esérie). *Arch. Zool. Exp. Gen.* **101** (Notes et Revue, 2): 92-96. — 7 Nyct. spp. (in 2 g.), 1 Streb. sp.; Romania, Jugoslavia, Spain, Portugal, rec.

1962b. Contribution à la connaissance des Nyctéribiidés appartenant à la faune de la République populaire Roumaine. (In Romanian, w. Russian & French summaries). *Studii si Cercetari de Biol., Seria Biol. Animala* (Acad. Republ. Pop. Romine) **14**: 225-239, 4 figs. — 9 spp. in 3 g., rec., key, 7 of these spp. new to Romania.

1963. Recherches sur le puparium de Nyctéribiidae. (In Romanian, w. Russian & French summaries). *Comunicarile Academiei Republicii populare Romine* **13**: 725-732, 1 fig. — 5 European spp. in 3 g., puparia, des.

Del Ponte, Eduardo

1944. *Basilia romanai*, nobis de la Argentina. (w. English & French summaries). *An. Inst. Med. Regl. Univ. Tucuman* **1**: 117-128, 1 fig., 1 pl. — 15 Amer. *Basilia* spp., key, p. 123; list, p. 117; *B. romanai* n. sp.

Desmarest, Eugène

1867. Nyctéribie. *Nycteribia*. In Ch. d'Orbigny: Dictionnaire universel d'Histoire naturelle (ed. 2) **9**: 522-523. [Entire work of this dictionary consists of 13 vols. of text, 3 vols. of pls., ed. 1 published at Paris, 1838-1849]. — *N. vespertilionis*, *biarticulata*, *blainvillii*, p. 523.

1869. Streblè. *Strebla* Wied. In Ch. d'Orbigny: Dictionnaire universel d'Histoire naturelle ... (ed. 2) **13**: 113. — *Strebla* placed in fam. Pupipares, tribu Coriaces: *S. vespertilionis* Mcq. mentioned.

Dew, Barbara

1963. Animal life in caves. *Austral. Nat. Hist.* **14**: 158-161, 3 figs. — Unnamed Nyct. -Streb. briefly mentioned, p. 159.

Didier, Robert & P. Rode

1953. Les Mammifères de France. *Arch. Hist. Nat., Soc. Aclimat. Fr.* **10**: 1-398. — 3 *Nycteribia*, 2 *Penicillidia* spp., w. hosts, listed.

Diesing, Karl M.

1859. Revision der Rhyngodeen. *S.B. Akad. Wiss. Wien, Math.-Naturw. Cl.* **37**:

719-782, 3 pls. — *Arthrorhynchus*, (nr. *Sipunculus* Linn. Blainv.), placed in suborder Rhyngodea Proctocha: *A. westrumbii* (= *Mermis nycteribiae* Klnt.) ex *Megistopoda westwoodii* (Banat, Serbia, Dalmatia), *A. diesingii* ex *Acrocholidia montaguei* (Moravia), p. 752.

Dinale, Giovanni

1958. Res ligusticae. CII. Sull'inanellamento di pipistrelli in Liguria. (w. English summary). *Ann. Mus. Stor. Nat. Genova* **70**: 130-158, 1 fig. — *Nycteribia biarticulata*, *pedicularia*, *schmidli*, rec.

1962. Nota preliminare sui pipistrelli delle grotte di Cunardo, N. 2206 Lo-VA (Lombardia occidentale). (w. English summary). *Rass. Speleol. Ital.* **14**: 27-29. — *Penicillidia dufouri*, *Nycteribia biarticulata*, *vexata*, *latreillei* (vel *pedicularia*) p. 29.

Dinale, G. & G. M. Ghidini

1963. Studi sui chiroterteri italiani. I. Osservazioni sul *Rhinolophus euryale* Blasius in Liguria e nel Lazio. *Ann. Mus. Stor. Nat. Genova* **74**: 1-29, 5 figs. — *Nycteribia biarticulata* listed as parasite.

1966. Centro Inanellamento Pipistrelli: Otto anni di attivita (1957-1964). (w. English summary). *Atti Soc. Ital. Sci. Nat. & Mus. Stor. Nat. Milano* **105**: 91-101. — *Nycteribia biarticulata*, pp. 97-98; *N. latreillei*, *N. vexata*, *Penicillidia dufouri*, p. 99, rec.

Disconzi, D. Francesco

1865. Entomologica vicentina ossia catalogo sistematico degl'insetti della Provincia di Vicenza. 316 pp., 270 figs. Padova (G.B. Randi). — *Nycteribia vespertilionis* placed in fam. Haematomyzidae, p. 228.

Dogiel, V. A.

1964. General parasitology. Revised, enlarged by Yu. I. Polyanski & E. M. Kheisin, translated by Z. Kabata. ix+516 pp., 228 figs. Edinburgh & London (Oliver & Boyd). — *Nycteribia* sp., Leningrad, fig. 173A.

Domrow, Robert

1961. New and little known Laelaptidae, Trombiculidae and Listrophoridae (Acarina) from Australasian mammals. *Proc. Linn. Soc. N.S. Wales* **86**: 60-95, 62 figs. — *Neolaelaps* mites in association w. Nyct. ex *Pteropus* fr. Australia (N. Territory), New Ireland, pp. 71-72.

1963. New records and species of Austromalayan laelapid mites. *Proc. Linn. Soc. N. S. Wales* **88**: 199-220, 60 figs. — *Neolaelaps* mites in association w. Nyct. ex *Pteropus* fr. Australia, p. 214.

Doyère, Louis (see Audouin, Blanchard et al.)

Drapiez, Pierre A. J.

1841. Dictionnaire classique des sciences naturelles **7**: 1-732. Bruxelles. — *Nycteribia*, des., p. 720; *N. blainvillii* Latr. (= *Phthiridium blainvillii*), *N. vespertilionis* (= *biarticulatum*, = *hermanni*, = *latreillii*).

1845. Dictionnaire classique des sciences naturelles **12**: 1-747. — Streblè, *Strebla* Dalm. (!), des., p. 159.

Dresco, Eduard (see N. Balazuc et al.)

Dubovcenko, T. A.

*1968. Ektoparazity letucich mysej Azerbaidzana. [Thesis of dissertation]. 30 pp. Baku. — *Nycteribia kolenatii*, *schmidlii*, *vexata*, *Stylidia biarticulata*, *Penicillidia dufourii*, *conspicua*, rec.

Dudich, Endre

1924. A magyarországi emlősök külső rovarélősködőinek határozó táblái. [The insect parasites of Hungarian mammals with keys]. In Ehik, G. & E. Dudich: A magyarországi emlősök és azok külső rovarélősködőinek határozó táblái 39-74, 1 fig. Budapest (Magyar Királyi Allami Nyomda). [Entire work in 74 pp., 6 figs., in 2 pts., 1st pt. by Ehik, on the mammals of Hungary w. keys]. — Keys to orders, families, g. & spp.; host index; Nyct., pp. 56-59, incl. 11 spp. (4 extralimital) in 2 g. (*Nycteribia*, *Penicillidia*), w. keys modified fr. Speiser 1901.

1925. A magyarországi denevérlegyek (Die ungarischen Fledermausfliegen). (w. German summary). *Matematikai és Természettudományi Estresítő*, Budapest **41**: 144-151. — 1 *Basilis*, 2 *Penicillidia*, 4 *Nycteribia* (in 4 subg.), keys, brief des., rec. fr. 18 different localities.

*1932. Biologie der Aggteleker Tropfsteinhöhle "Baradla" in Ungarn. *Speläolog. Monogr.*, Wien **10**: 1-246, 19 pls.

Dufour, J. M. Léon

1831. Description et figures de la Nyctéribie du *Vespertilion*, et observations sur les stigmates des insectes pupipares. *Ann. Sci. Nat.*, Paris **22**: 372-384, 1 pl. — *Nycteribia*, general account; *N. rhinolophi* n. name.

Dunn, Frederick L.

1965. Gua Anak Takun: Ecological observations. *Malayan Nature J.* **19**: 75-87, 4 pls., 1 map. — *Hipposideros armiger* & *H. diadema* bats found highly infected by *Hepatocystis* and parasitized by Streb. indet. which was considered the most likely vector of this haemosporidian; a single oocyst-like structure, probably of a haemosporidian, was detected in wall of midgut in 1 of the 15 Streb. flies (ex *H. armiger*) dissected; Nyct. ex *H. armiger* also dissected but none found harboring *Hepatocystis* stages.

Dunn, Lawrence H.

1929. Notes on some insects and other arthropods affecting man and animals in Colombia. *Amer. J. Trop. Med.* **9**: 493-508. — *Trichobius parasiticus*, p. 504.

Dybas, Henry S. & R. L. Wenzel

1947. A new genus of batflies from Guatemala. *Fieldiana, Zool.* **31**: 149-154, 3 figs. — *Joblingia schmidti* n. g., n. sp.

Eads, Richard B. & G. C. Menzies

1948. Additional records of bat parasites of family Nycteribiidae. *Ent. News* **59**: 244. — *Basilis corynorhini*, *B. antrozoi*, Texas.

Eads, R. B., J. S. Wiseman & G. C. Menzies

1957. Observations concerning the Mexican free-tailed bat *Tadarida mexicana* in Texas. *Texas J. Sci.* **9**: 227-242, 4 figs. — *Trichobius major* occasionally attacking man, p. 239.

Edwards, Frederick W. (see also under Smart, J.)

1918. Two new Diptera from Trinidad. *Ann. Mag. Nat. Hist.* (9), **1**: 424-425. — *Trichobius caecus* n. sp.

1919. Diptera collected in Korinchi, West Sumatra by Messrs. H. C. Robinson and C. Boden Kloss. *J. Fed. Malay States Mus.* **8** (3): 7-59, 4 pls. — *Penicillidia fletcheri majuscula* n. var.

Egsbaek, W. & H. Roer

1965. *Nycteribia kolenatii* Theodor (Flagermusflue) ny för Danmark. (w. German summary). *Flora og Fauna* **71**: 147-148. — *N. kolenatii* ex *Myotis daubentoni*, Jutland.

Ehik, Gyula (see under Dudich 1924)

Eisenstraut, M.

1937. Die deutschen Fledermäuse, ein biologische Studie. *Monogr. d. Wildsäugtiere* **2**: 1-184, 59 figs. Leipzig (P. Schöps). [This forms the 13th Heft of the series "Kleintier und Pelztier"]. — Nyct. (*Lestropodia* [!], *Nycteribia*) & other parasites, general account, pp. 162-165.

1944. Biologie der Flederhunde (Megachiroptera). Nach einem hinterlassenen Manuskript von Dr. Heinrich Jansen. *Biol. Generalis*, Wien **18** (3): 327-435, 29 figs. — *Cyclopodia* said to occur on *Pteropus*, *Epomophorus*, *Eidolon*, *Rousettus*, *Dobsonia* & *Macroglossus* while *Nycteribosca*, on *Rousettus* & *Dobsonia*, p. 424.

Encobet, J. A. (see Arias Encobet, J.)

Enderlein, Günther

1901. Zur Kenntniss der Nycteribiiden. *Arch. Naturg.* **67**(1): 175-178, 3 figs. — *Cyclopodia hopei* (Maldive Is.), *macrura* (type), *greeffi* (type), des.

1936. Zweiflügler, Diptera. In P. Brohmer et al. (ed.): Die Tierwelt Mitteleuropas, Bd. VI, 3. Teil, Abt. **16**: 1-259, 317 figs. — *Nycteribosca kollari*, fig. 316; Nyct., key to 2 g. & 4 spp., *Penicillidia dufouri*, *conspicua*, *Listropodia schmidti* (!), *pedicularia* (+ var. *blasii*), p. 250.

Esaki, Teiso

1938. Nycteribiidae. (In Japanese). In T. Esaki, H. Hori & K. Yasumatsu: Insectorum japonicorum illustratio iconographica coloribus ad naturam depicta: 387, 1 fig. (Entire vol., 3+3+426+59 pp., unnumbered figs., 189 col. pls. Tokyo). — *Penicillidia jenynsii*, des.

1950. Streblidae and Nycteribiidae. (In Japanese). In K. Uchida et al.: Iconographia insectorum japonicorum (ed. 2): 1721, figs. 4960-4961. — *Nycteribosca kollari* (= *Trichobius molossus* auctt.), *Penicillidia jenynsi*, des. (cf. Kishida 1932a, 1932b).

Essig, Edward O.

1926. Insects of western North America. xi+1035 pp., 766 figs. New York (Mac-Millan). [ed. 2, 1050 pp., 766 figs. 1958]. — *Nycterophilia coxata*, *Trichobius* sp., *Basilina antrozoi*, *corynorhini*, *forcipata*, California, p. 623, figs. 502-503 (original, by Ferris).

Evans, Francis C. (see Holdenried et al.)

Evans, William

*1904. *Sapromyza affinis* Zett., *Nycteribia latreillii* Leach and other Diptera from the Edinburgh District. *Ann. Scot. Nat. Hist.* 1904: 128-129. — *Nycteribia latreillii* ex *Myotis daubentoni*.

Fabricius, Johann C.

1775. Systema entomologiae viii+832 pp. Flensburgi & Lipsiae (Korte). — *Acarus vespertilionis* [= *Nycteribia*, teste Oudemans 1929], p. 812.

1781. Species insectorum 2: 1-517. Hamburgi & Kilonii (Bohn). [Entire work in 2 vols., both published in 1781]. — *Acarus vespertilionis* [pt., = *Nycteribia*, teste Oudemans 1929], p. 487.

1794. Entomologia systematica emendata et aucta. 4: i-vii, 1-472. Hafniae (Proft). [Entire work in 4 vols., published 1792-94]. — *Acarus vespertilionis*, p. 429.

1805. Systema antliatorum xiv+373+30 pp. Brunsvigae (Reichard). — *Hippobosca vespertilionis* n. sp., p. 350; *Nycteribia vespertilionis*, p. 358.

Falcoz, Louis

1921. Diagnoses préliminaires de Diptères Pupipares de Nouvelle Calédonie (Voyage de Fritz Sarasin et Jean Roux). *Bull. Soc. Ent. Fr.* 1921: 237-238. — *Nycteribosca surcoufi*, *rouxi*, *Nycteribia sarasini* (also fr. Queensland) n. spp.

1923a. Diptères Pupipares de la Nouvelle-Calédonie et des Iles Loyalty (Streblidae et Nycteribiidae). In F. Sarasin & J. Roux: Nova Caledonia, Zoologie 3(1): 81-96, 16 figs. — *Penicillidia*, subgeneric classification; *P. oceanica*, redes.; *Nycteribosca surcoufi*, *rouxi*, *Nycteribia sarasini* as n. spp. again.

1923b. Biospeologica. XLIX. Pupipara (Diptères). Première Serie. *Arch. Zool. Exp. Gen.* 61: 521-552, 11 figs. — *Nycteribosca alluaudi*, *Nycteribia scotti* n. spp.; misc. rec. of other 2 Streb., 7 Nyct. spp. fr. France, Spain, Austria, Algeria, Brit. E. Africa, German E. Africa.

1924. Diptères Pupipares du Muséum national d'Histoire naturelle de Paris (Streblidae et Nycteribiidae). *Bull. Mus. Hist. Nat., Paris* **30**: 223-230, 309-315, 386-389, 14 figs. — 2 *Nycteribosca*, 1 *Raymondia*, 1 *Trichobius*, 1 *Strebla*, 4 *Penicillidia*, 4 *Nycteribia*, 2 *Tripselia*, 1 *Eucampsipoda*, 3 *Cyclopodia* spp., rec.; *Nycteribosca pretiosa*, *Tripselia* (*Neotripselia* n. subg.) *bowvieri* n. spp.; *Pen. fulvida*, *Cycl. greeffi*, redes.; material from France, "Judée" [India], New Hebrides, New Caledonia, Morocco, Sahara (Ouderava), Senegal, Dahomey, "W. Africa", Tanzania, Guiana.

1926. Diptères Pupipares. *Fn. de France* **14**: 1-64, 76 figs. (Preface by C. Vaney, pp. 5-6). — Streb., 1 sp., des.; Nyct., keys to g., spp.; 2 *Penicillidia*, 4 *Nycteribia* (+ 1 var.) spp., des.

1927. Streblidae et Nycteribiidae. *Ins. Samoa* **6** (Dipt.): 1-9, 7 figs. — *Nycteribosca buxtoni*, *Cyclopodia inclita* n. spp.

1931. Matériaux pour la connaissance des Diptères Pupipares. I. *Parasitology* **23**: 264-269, 5 figs. — *Raymondia javanica* (Java), *Paradyschiria parvula* (Brazil) n. spp.; 4 Nyct. spp. rec. for Madagascar & France.

Fallén, Carl F.

1818. Monographia Haematomyzidum sueciae. 16 pp. Lund (Berling). — *Nycteribia vespertilionis*, p. 16.

Faveaux, M. F. A. de (see Anciaux de Faveaux, M. F.)

Ferris, Gordon F.

1916. Some ectoparasites of bats. *Ent. News* **27**: 433-438, 1 fig., 2 pls. — *Penicillidia antrozoi* (California), *Cyclopodia similis* (Samoa), des.; *P. corynorhini*, *Nycterophilia* (n.g.) *coxata* n. spp., California.

1923. Observations on the larvae of some Diptera Pupipara with description of a new species of Hippoboscidae. *Parasitology* **15**: 54-58, 4 figs. — *Aspidoptera megastigma* (Paraguay), *Nycteribia pedicularia* (Switzerland), larvae.

1924a. Two Diptera Pupipara from Philippine bats. *Philipp. J. Sci.* **24**: 73-78, 3 figs. — *Nycteribosca gigantea*, redes.; *Eucampsipoda philippinensis* n. sp.

1924b. Some Diptera Pupipara from the Philippine Islands. *Philipp. J. Sci.* **25**: 391-401, 7 figs. — *Nycteribosca amboinensis*, *Nycteribia allotopa*, *parvula*, *Penicillidia jenynsi*, redes. [This is the 2nd of the author's 6 reports on Philippine Diptera Pupipara. The 5th and 6th reports contain no batflies.]

1924c. Report upon a collection of insect ectoparasites from Australian and Tasmanian mammals. *Amer. Mus. Novit.* **110**: 1-7, 5 figs. — *Cyclopodia pteropus*, rec., fig.

1924d. The New World Nycteribiidae. *Ent. News* **35**: 191-199, 1 fig., 1 pl. — 2 *Nycteribia*, 7 *Basilis* spp. listed; *Basilis*, generic characters; *B. forcipata* n. sp.

1925a. Third report upon Diptera Pupipara from the Philippine Islands. *Philipp. J. Sci.* **27**: 413-421, 5 figs. — *Cyclopodia horsfieldi* (Philippines, Sumatra, Celebes), redes.

1925b. Fourth report upon Diptera Pupipara from the Philippine Islands. *Philipp. J. Sci.* **28**: 329-339, 5 figs. — *Nycteribosca amboinensis*, rec.

1928. Principles of systematic entomology. *Stanford Univ. Publ., Biol. Sci.* **5**: 101-269, 11 figs. — *Basilisa antrozoi* figured, p. 192.

1930a. The puparium of *Basilisa corynorhini* (Ferris). *Ent. News* **41**: 295-297, 1 fig.

1930b. Some African Diptera Pupipara. *Parasitology* **22**: 275-282, 6 figs. — *Raymondia*, generic characters; *R. pagodarum* (Uganda, Fukien), *Nycteribosca kollari* (Italy, Transvaal), rec.; *R. bedfordi* n. sp.

Fiedler, O. G. H.

1954. A new African lousefly: *Raymondia hardyi* sp. n. *Onderstepoort J. Vet. Res.* **26**: 427-429, 4 figs.

Fiori, Andrea

1880. Hippoboscitae trovate nel Modenese. *Boll. Soc. Ent. Ital.* **12** (Resoconti Adunanze): 12-13. — *Nycteribia biarticulata* ex *Rhinolophus*, *N. leachii* ex *Myotis*, p.12.

Fletcher, T. Bainbrigge

1906. Flying foxes (*Pteropus medius*) at Barberyn. *Spolia Zeylan.* **4**: 35-37. — *Nycteribia* sp., p. 36.

Fordham, W. J.

1945. A preliminary list of the Diptera of Northumberland Durham. *Trans. Nat. Hist. Soc. Northumb. Durh.* (n.s.), **7**: 197-265. — *Nycteribia blasii*, *hermanni*, *latreillei*, p. 250.

Fowler, Christina J. (see Wenzel, Tipton & Fowler)

Fox, Irving (see Tamsitt & Fox)

Fox, Richard M. & R. M. Stabler (see also Stabler & Fox)

1953. *Basilisa calverti* n. sp. from the interior long-legged bat. *J. Parasitol.* **39**: 22-27, 2 figs. — *B. calverti* as n. sp. again.

Franceschi, T. (see Conci & Franceschi)

Franciscolo, Mario E.

1950. Res ligusticae. LXXXI. La fauna della Tann-a do Balou, No. 11 Li, e descrizione della larva di *Bathysciola pumilis* Reitt. *Ann. Mus. Stor. Nat. Genova* **64**: 111-129, 1 fig. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 120.

1951. La fauna della "Arma Pollera" No. 24 Li, presso Finale Ligure. *Rass. Speleol. Ital.* **3**: 40-53. — *Listropodia pedicularia* (no host), *Penicillidia dufouri* ex *Myotis*, *Nycteribia biarticulata* ex *Rhinolophus*, p. 50.

1955. Res ligusticae. XCIV. Fauna cavernicola del Savonese. *Ann. Mus. Stor. Nat. Genova* **67**: 1-223, 6 figs. — *L. pedicularia*, *P. dufouri*, *N. biarticulata*, p. 160.

Frauenfeld, Georg R. von

1855. Beobachtung von Tomaschek über Coriacea nebst Bermerkungen. *S. B. Zool. Bot. Ver. Wien* **5**: 79-80. — *Nycteribia*, general remarks.

1856a. Ueber eine neue Fliegengattung *Raymondia* aus der Familie der Coriaceen nebst Beschreibung zweier Arten derselben. *S.B. Akad. Wiss. Wien, Math.-Naturw. Cl.* **18**: 320-333, 1 pl. [Abstr.: 1856 *L'Institut*, Paris (1. sect., 1199) **24**: 450 under title "Nouveau genre de diptères trouves sur des chauves-souris d'Afrique"]. — *R. huberi*, *kollari* n.g., n. spp.

1856b. Notiz über *Raymondia*. *S. B. Zool.-Bot. Ver. Wien* **6**: 91. — *Brachytarsina*, publication date.

1857a. Ueber die Gattung *Raymondia*. *S. B. Zool.-Bot. Ver. Wien* **7**: 23-25. — *Raymondia* briefly compared with *Brachytarsina*.

1857b. Ueber *Raymondia* Fr., *Strebla* Wd. und *Brachytarsina* Mcq. *S. B. Akad. Wiss. Wien, Math.-Naturw. Cl.* **22**: 468-478, 3 figs. 1 pl. — Comparison of 3 g.; *R. diversa* n. sp.

Fredrichson, R. W. (see Byers et al.)

Freeman, H. E.

*1885. *Nycteribia* from bat. *J. Microsc. Nat. Sci. (J. Postal Microsc. Soc.)* **4**: 262. — "Those from India have much larger legs in proportion to the body, and are said to be very quick in their movements."

Frey, Richard

1919. En för faunan ny nycteribiid. *Medd. Soc. Fn. Fl. Fenn.* **45**: 67, 297. — *Nycteribia blasii* ex *Vespertilio daubentoni*, rec.

Friedmann, I.

1964. Progress in the biological exploration of caves and subterranean waters in Israel. *Int. J. Speleol.*, Wienheim **1**: 29-33. — Nyct. classified under "ticks"; *Basilina nana* cited under *Nycteriana* (!); Theodor & Moscona's 1954 paper briefly reviewed, p. 31.

Frisch, Johann L.

1728. Beschreibung von allerley Insecten in Teutschland **7**: i-vii, 1-31, 22 pls. Berlin (Nicolai). [Entire work in 13 pts., published 1720-38]. — Fledermaus-Lauss, p. 12, pl. 2 (vii).

Froggatt, Walter W.

1907. Australian insects. xi+449 pp., 180 figs., 37 pls. Sydney (W. Brooks). — *Nycteribia pteropus* briefly mentioned, p. 321.

Galli-Valerio, Bruno

*1921. Parasitologische Untersuchungen und Beiträge zur parasitologische Technik. *Zbl. Bakt. Parasitenk.*, Jena (Abt. 1), **86**:346-352. — *Listropoda blasii*, Lausanne, p. 347.

*1930. Observations et recherches sur les parasites et les maladies parasitaires des animaux sauvages. *Bull. Murith. Soc. Valais Sci. Nat.* **47**:50-89.

*1935. Parasitologische Untersuchungen und parasitologische Technik. *Zbl. Bakt. Parasitenk.*, Jena (Abt. 1), **135**: 318-329. — *Nycteribia vexata*, Lausanne.

Galvão, A. L. Ayrosa (*see* Pessôa & Ayrosa Galvão)

Garcia, Miguel

19 . Diptera Pupipara. *Primeras Jornadas Entomoepidemiologicas Argentinas*: 579-580. [Date of publication uncertain, probably between 1946 and 1953] . — 2 Nyct. (in 1 g.) & 3 Streb. (in 3 g.) listed.

Garnham, P. C. C.

1966. Malaria parasites and other Haemosporidia. xviii + 1114 pp., 25 figs., 92 col. pls. Oxford (Blackwell). — Nyct. likely to transmit *Nycteria medusiformis*, p. 906; review of papers by Schingarew etc.

Genoways, H. H. (*see* Jones & Genoways)

George, R. S.

*1954. Bechstein's bat. *The Times*, London 24. ix. 1954. — *Nycteribia biarticulata* [corrected to *Basilina nana* in George 1958], rec.

1957. Four species of Diptera new to Gloucestershire. *Ent. Mon. Mag.* **93**: 190. — *Nycteribia kolenatii* ex *Myotis daubentoni*.

1958. Notes concerning five species of mammals in the West Country. *Proc. Zool. Soc. Lond.* **131**: 323-325. — *Basilina nana* ex *Myotis bechsteinii*, p. 324; *Nycteribia kolenatii* ex *Myotis daubentoni*, p. 325; repetition (w. correction of *biarticulata* to *nana*) of rec. in George 1954, 1957.

Gerstaecker, C. E. Adolph

*1862. [On the existence of halteres in Nycteribiae]. *S. B. Ges. Naturf. Fr. Berl.* für 18. ii. 1862. [Abstr.: 1862. *Ent. Berichte*, Berlin 1862: 215].

*1864. (*see under* Kolenati 1863).

Gervais, F. L. Paul

1843. Communiqué d'une quinzaine d'espèces d'insectes aptères qui doivent toutes former des genres particuliers. *Ann. Soc. Ent. Fr.* **11**: (Bull.): lxxv-lxxviii. — *Trichobius* (n. g., as of Mallophaga) *parasiticus*, *Nycteribia* (!) *senegalensis* nom. nud.

1844. Atlas de zoologie, ou collection de 100 planches 32 pp., 100 pls. Paris (J. B. Baillière). — *Trichobius* (n. g.) *parasiticus*, *Nycteribia senegalensis* n. spp., p. 14, pl. 53.

Gervais, F. L. P. & J. van Beneden

*1859. Zoologie médicale **2**: i-viii, 1-455. [Entire work in 2 vols.]. Paris (J. B. Baillière). — *Strebila vespertilionis* Dalman (!) ex bat in Brazil, p. 391.

Ghidini, Gian M. (*see also* Dinale & Ghidini)

1934. Quinto contributo alla conoscenza della fauna speleoentomologica Bresciana (Esplorazioni compiute negli anni 1930-33). *Boll. Soc. Ent. Ital.* **46**: 200-210. — *Nycteribia biarticulata*, p. 208.

Giglioli, Henry (= Enrico)

1864. On some parasitical insects from China. *Quart. J. Micr. Sci.*, London (n. s.), **4**: 18-26, pl. 1B. — *Strebla molossa* n. sp.; *Polycytenes* considered belonging to Nyct.

Gilbert, Owen J. W.

*1949. On bats in West Suffolk. *Trans. Suffolk Nat. Soc.* **6**: 165. — *Nycteribia pediculris* (!) ex *Myotis daubentoni*.

*1951. Bats' parasitic Diptera. *Trans. Suffolk Nat. Soc.* **7**: 134. — *Nycteribia latreillii* ex *Myotis daubentoni*.

Gil Collado, Juan

1932. Notas sobre Pupiparos de España y Marruecos del Museo de Madrid. *Eos* **8**: 29-31, 1 fig. — 1 *Strebl.*, 6 *Nyct.* (in 2 g.) spp., rec., key.

1933. Nuevos datos sobre Pupiparos españoles y marruquies. *Eos* **8** (for 1932): 317-323. — *Penicillidia pumilla* (!) ex *Pipistrellus nathusii*; 1 *Strebl.*, 5 other *Nyct.* spp., rec.

1934. Una nueva especie española de *Nycteribia*. *Eos* **9**: 29-32, 2 figs. — *N. biscutata* n. sp.

Gistel, Johannes N. F. X.

1848. Naturgeschichte des Thierreichs für höhere Schulen. xvi+216+4 pp., 32 pls. Stuttgart (Hoffmann). — *Nycteribia*, *Ornithomyia*, *Braula* etc. placed in fam. Theriomyiida, p. 154.

Glennie, E. A. (see Hazelton & Glennie)

Gmelin, Johann F.

1790. Lepidoptera bis Aptera. In C. Linnaeus: Systema naturae ... (ed. 13) **1** (5): 2225-3020. Lipsie (Beer). [Entire work in 3 vols., 10 pts., published 1788-93]. — *Acarus vespertilionis* [said to be a *Nycteribia*, teste Oudemans 1929], p. 2927.

Goldblum, N. (see Mer & Goldblum)

Goodwin, George G. & A. M. Greenhall

1961. A review of the bats of Trinidad and Tobago. Descriptions, rabies infection and ecology. *Bull. Amer. Mus. Nat. Hist.* **122**: 187-302, 133 figs., 40 pls., 2 maps. — 2 *Aspidoptera*, 2 *Euctenodes*, 1 *Nycterophilia*, 1 *Paradyschiria*, 1 *Paratrichobius*, 2 *Pterelipsis*, 1 *Speiseria*, 1 *Strebla*, 6 *Trichobius* spp. listed, p. 205.

Gowdey, Carlton C.

1926. Catalogus insectorum jamaicensis. *Jamaica Dept. Agric. Ent. Bull.* **4** (1): 1-114, i-xiv. — *Trichobius dugesii*, p. 90. [Pts. 2 and 3 of this Catalogus contain no batflies].

Greca, M. La

1946. Sulla presenza di *Nycteribosca africana* Walker in Italia. *Boll. Soc. Ent. Ital.* **76**: 79. — *N. africana* ex *Rhinolophus*, Tuscany.

Green, E. Ernest

1911. On *Megaderma lyra*, its habits and parasites. *Spolia Zeylan.* 7: 216. — "Swarming with a minute dipterous parasite fully developed wings and is capable of flight."

Greenhall, Arthur M. (see Goodwin & Greenhall)

Grimshaw, Percy M.

*1901. Nycteribiidae. In G. F. S. Elliott, M. Laurie & J. B. Murdoch: Fauna, flora and geology of the Clyde area: 226. [Entire work x+567 pp. Glasgow (Univ. Press)]. — *Nycteribia hermanni* ex "bats".

*1906. Diptera Scotica. V. The Forth area (2nd supplement). *Ann. Scot. Nat. Hist.* 1906: 154-161. — *Nycteribia latreillei* ex *Myotis*, p. 161, repeating W. Evans 1904 record.

Grulich, I. & D. Povolný

1955. Faunistisch-bionomische Uebersicht der Nycteribiidae aus dem Gebiete der CSR. (In Czech, w. Russian & German summaries). *Zool. Ent. Listy* 4: 111-134, 10 figs., 4 pls. — *Neopenicillidia* n. subg. for *Penicillidia conspicua*, *Nycteriphila* n. g. for *schmidli* Schin.; 9 Czech spp. (in 6 g.) reviewed, key, des., hosts, local distribution.

1956. Beitrag zur Chlorologie der Nycteribiidae mit besonderer Berücksichtigung ihrer Wirtstiere in der CSR. (In Czech, w. Russian & German summaries). *Zool. Ent. Listy* 5: 97-110. — Bats divisible into 2 natural groups, cave- and tree-dwelling; Nyct.-fauna in SE Slovakia probably having been affected by interaction of following factors: natural quantitative increase of SE direction, host specificity, microclimate, occurrence & community-size of host.

Grünberg, Karl

1907. Die blutsaugenden Dipteren. Leitfaden zur allgemeinen Orientierung mit besonderer Berücksichtigung der in den deutschen Kolonien lebenden Krankheitsüberträger. vi+188 pp., 127 figs. Jena (G. Fischer). — 3 Streb., 6 Nyct. spp., listed pp. 185-188.

Guéorguiev, Vassil & P. Beron

1962. Essai sur la faune cavernicole de Bulgarie. *Ann. Speleol.*, Moulis 17: 285-356. — *Nycteribia biarticulata*, *N. schmidli*, *N. vexata*, *N. sp.*, *Penicillidia conspicua*, *P. dufouri*, list, p. 338 [largely compiled from Karaman 1939, Hürka 1958].

Guérin-Méneville, Felix E.

1827. Dictionnaire classique d'histoire naturelle 12: 1-634. Paris (Rey & Gravier). — *Nycteribia*, general account, pp. 21-23; *Phthiridium*, p. 443.

1835. Iconographie du règne animal de G. Cuvier ... 2 (planches des animaux invertébrés,) Insectes: pls. 92-104. [Entire vol., 104 pls., published 1829-35] — *Nycteribia westwoodi*, pl. 104 (9), *N. sikesii* (!), pl. 104 (10).

1844. Iconographie du règne animal de G. Cuvier ... 3 (texte explicatif): 1-576. Paris (Baillièrre). [Les Diptères, pp. 531-559]. — *Nycteribia westwoodi* n. sp., p. 556; *N. sikesii* (!) Wwd., p. 557.

Guiglia, Delfa

1957. I tipi di Ditteri di Camillo Rondani e di altri auctori appartenenti alle collezioni del Museo civico de Storia naturale di Genova. *Ann. Mus. Stor. Nat. Genova* **59**: 193-207. — Types of 2 Streb., 6 Nyct. spp. of Rondani, Giglioli, Speiser & Theodor, listed.

Guimarães, Lindolpho R. (*see also* Pessôa & Guimarães)

1938a. Sobre as espécies Sul Americanas do gênero *Trichobius*. (w. English summary). *Rev. Mus. Paulista* **23** (for 1937): 651-666, 3 pls. — 8 spp., key, rec.; *costalimai* n. sp.; *parasiticus*, redes.; *kesseli* (!) n. name.

1938b. Sobre uma nova espécie de Nycteribiidae. *Livro Jubil. Prof. L. Travassos*, Rio de Janeiro :183-184, 1 pl. — *Basilía travassosi* n. sp.

1940. Sobre a prioridade do *Basilía ferrisi* Schuurmans Stekhoven, 1931. *Papéis Avulsos Dep. Zool., S. Paulo* **1**: 5-7. — *Basilía ferrisi* Sch. Stkh. 1931=*B. ferrisi* Scott 1936.

1941. Notas sobre Streblidae. I. Sobre a verdadeira identidade de *Trichobius dugesii* Towns. 1891. [pp. 213-216]. II. Redescricao de *Paradyschiria dubia* (Rudow) 1871. [pp. 216-221, 4 figs.] (w. English summary). *Papéis Avulsos Dep. Zool., S. Paulo* **1**: 213-222, 4 figs. — *T. dugesii*=*blandus*, distinct from *mixtus*; *P. dubia* (Brazil), redes., rec.

1942. Nova espécie do gênero *Basilía* do Brasil. (w. English summary). *Papéis Avulsos Dep. Zool., S. Paulo* **2**: 145-149, 1 fig. — *B. mirandaribeiroi* n. sp.

1943. Mais uma nova espécie sulamericana de Nycteribiidae. (w. English summary). *Papéis Avulsos Dep. Zool., S. Paulo* **3**: 257-260, 2 figs. — *Basilía currani* n. sp.

1944a. Ectoparasitos de Aves e Mamíferos colecionados em Monte Alegre. *Papéis Avulsos Dep. Zool., S. Paulo* **6**: 15-20. — 1 *Paraeuctenodes*, 1 *Euctenodes*, 2 *Trichobius* spp., rec.

1944b. Sobre os primeiros estádios de alguns Dipteros Pupíparos. (w. English summary). *Papéis Avulsos Dep. Zool., S. Paulo* **6**: 181-192, 19 figs., 1 pl. — 1 *Aspidoptera*, 1 *Paradyschiria*, 2 *Trichobius* spp., larvae like those of Nyct., having 2 pairs of spiracles entirely separated.

1946. Revisão das espécies sul-americanas do gênero *Basilía*. (w. English summary). *Arq. Zool. Estado S. Paulo* **5**: 1-87, 98 figs., 1 map. — 12 spp., key, redes., hosts; *B. mexicana* divided into 3 subsp.; *B. juquiensis*, *hughscotti* n. spp.; morphology pp. 4-13, distribution & hosts pp. 13-18.

1966. Nycteribiid batflies from Panama. In R. L. Wenzel & V. J. Tipton (ed.): *Ectoparasites of Panama*: 393-404, 3 figs. — *Basilía*, key to 7 Panamanian spp.; *B. handleyi*, *tiptoni* n. spp.

Guimarães, L. R. & M. A. V. d'Andretta

1956. Sinopse dos Nycteribiidae do Novo Mundo. (w. English summary). *Arq. Zool. Estado S. Paulo* **10**: 1-184, 232 figs., 5 maps. — *Herschkovitzia* (n.g.) *primitiva* n. sp.; *Basilía*, 32 spp. (in 7 groups), key, rec.; *B. anceps*, *anomala*, *bequaerti*, *constricta*, *costaricensis*, *dubia*, *peruvia*, *rondanii*, *wenzeli* n. spp.; larvae of 5 *Basilía* spp. described; morphology pp. 9-17, distribution pp. 151-158, evolution pp. 158-161.

Gurtl, Ernst F.

1857. Verzeichniss der Thier, auf welchen Schmarotzer-Insekten leben. *Arch. Naturg.* **23** (1): 276-311. — *Nycteribia vespertilionis* ex *Vespertilio auritus*, pp. 281, 311.

Hackman, Walter

1964. On reduction and loss of wings in Diptera. *Notulae Ent.* **44**: 73-93, 11 figs.

Hagan, Harold R.

1951. Embryology of the viviparous insects. xiv+472 pp., 413 figs. New York (Ronald). — Nyct., adenotrophic viviparity, citing papers by Osten Sacken, Rodhain & Bequaert, Scott, p. 204; Streb., same, citing papers by Muir, Ferris, pp. 204-205.

Halloran, P. O'Connor

1955. A bibliography of references to diseases of wild mammals and birds. *Amer. J. Vet. Res.* **16**(2): i-xi, 1-465. — Parasites of bats, incl. Nyct. -Streb., pp. 28-32.

Hamann, Otto

1896. Europäische Höhlenfauna, eine Darstellung der in den Höhlen Europas lebenden Tierwelt mit besonderer Berücksichtigung der Höhlenfauna Krains. xiii+296 pp., 150 figs. Jena (H. Costenoble). — *Nycteribia schmidlii*, p. 143.

Hamilton-Smith, Elery

1965. Some cave fauna from New Caledonia. *Sydney Speleol. Soc. Communications* **7**(1): 17-18. — *Penicillidia* sp., *Nycteribia sarasini*, *Nycteribosca amboinensis*, Lifou, p. 17.

Hammond, Cyril O. (see Colyer & Hammond)

Hammond, P. M. (see Chapman & Hammond)

Handlirsch, Anton

1925. Geschichte, ... In C. Schröder (ed.): Handbuch der Entomologie. **3**: i-viii, 1-1202, 1040 figs. Jena (G. Fischer). — Strebline (n. tribe) placed under Hippoboscidae: Hippoboscinae, p. 1029; Nycteribiinae (n. subfam.) under Hippoboscidae, p. 1030.

Hansen, Charles G.

1964. Ectoparasites of mammals from Oregon. *Great Basin Naturalist* **24**: 75-81. — *Basilisa forcipata*, *antrozoi*, p. 79.

Hanson, Wilfred J. (see Byers et al.)

Hardenberg, J. D. Franz (see also Schuurmans Stekhoven & Hardenberg)

1927. Bijdrage tot de kennis der Pupipara. 77 pp., 19 pls. Thesis, Utrecht. [Dutch version of next article]. — *Cyclopodia plenoctena* nom. nud., p. 36.

1929. Beiträge zur Kenntnis der Pupiparen. *Zool. Jahrb., Anat.* **50**: 497-570, 19 figs. — Batflies, sex ratio, larval nutrition in uterus, etc.; *Cyclopodia ferrarii*, *Nycteribosca amboinensis*, *Ascodipteron speiserianum*, anatomy of ♀ genitalia; *Penicillidia* (!) *polyacryta* nom. nud., p. 510.

Hardy, J. R.

*1914. *Nycteribia hermanni* (Leach). *Lancs. Chesh. Nat.* **7**: 164. — *N. hermanni* ex *Plecotus auritus*, rec.; *N. latreillii* ex *Rhinolophus ferrumequinum*, listed.

Harrison, David L. (see Lewis & Harrison)

Hase, Albrecht

1931a. Ueber die Lebensgewohnheiten einer Fledermausfliege in Venezuela, *Basilina bellardii* Rondani. Beiträge zur experimentellen Parasitologie 5. *Z. Parasitenk.* **3**: 220-257, 17 figs. — Behavior, physiology.

1931b. Ergänzende Mitteilung betreffs die Wirtsfledermaus von *Basilina* und *Myodopsylla*. *Z. Parasitenk.* **3**: 836. — Cohabitation of *B. bellardii* w. *Myodopsylla* (flea), Venezuela.

Hazelton, M.

*1959. Fauna collected from caves as recorded in the C. R. G. fauna records. *Cave Res. Grp. Gt. Brit., Biol. Suppl.* **4** (for 1948-49): 1-18. — *Nycteribia biarticulata* ex Large Horseshoe, Devon, p. 17.

*1960. Fauna collected from caves, mines and wells as recorded in the C. R. G. fauna records. *Cave Res. Grp. Gt. Brit., Biol. Rec.* **6** (for 1954-56): 1-31. — *Nyct. biarticulata*, Devon, no host, p. 22.

*1965. Fauna collected from Devonshire caves. *Brit. Hypogean Fn. & Biol. Rec.*, *Cave Res. Grp. Gt. Brit.* **1** (9) (for 1963): 26-40. — Partly repeating 1960 rec.

Hazelton, M. & E. A. Glennie

*1947. Cave fauna. Preliminary list. pp. *Cave Res. Grp. Gt. Brit.* — *Nycteribia (Celeripes) biarticulata*, no exact locality, no host, p. 16.

Heerdt, P. F. van (see van Heerdt et al.)

Hennig, Willi

1941a. Verzeichnis der Diptera von Formosa. *Ent. Beihefte Berl.* **8**: i-iv, 1-239, 35 figs. — *Nyct.*, p. 178; 2 *Penicillidia*, 3 *Nycteribia* spp., rec.

1941b. Die Verwandtschaftsbeziehungen der Pupiparen und die Morphologie der Sternalregion des Thorax der Dipteren. *Arb. Morph. Tax. Ent. Berl.* **8**: 231-249, 10 figs., 4 pls. — *Nyct.*, ♂ genitalia similar to that of Calyptrata; Streb., antennae, tergal spiracles similar to those of Hippoboscidae.

1952. Die Larvenformen der Dipteren. Eine Uebersicht über die bisher bekannten Jugendstudien der zweiflügeligen Insekten. **3**: i-vii, 1-628, 338 figs., 21 pls. Berlin (Akademie-Verlag). — *Nyct.* -Streb., pp. 403-407, larval characters, systematic affinities, list of 20 spp. w. known larvae.

1958. Die Familien der Diptera Schizophora und ihre phylogenetischen Verwandtschaftsbeziehungen. *Beitr. Ent.* **8**: 505-688, 365 figs. — *Nyct.*, p. 403, Streb., pp. 405-407, morphology, affinities; both families (& Hippoboscidae) placed in suborder Brachycera, section Muscomorpha, subsection Musciformia (Cyclorrhapha), Atriata, Muscidae (Schizophora), family-group Calyptrata.

1965. Vorarbeiten zu einem phylogenetischen System der Muscidae. *Stuttgart. Beitr. Naturk.* **141**: 1-100, 53 figs. — Pupipara fairly distinct from Glossinidae; Nyct. -Streb., p. 87, comparison of adult & larval mouthparts, larval respiratory system & adult ♂ genitalia; whether or not they are monophyletic is so far not "sicht beantwortet".

Henrot, Henri (*see* Balazuc et al.)

Hermann, Jean F.

1804. Mémoire aptérologique. 144 pp., 9 col. pls. Strasbourg (F. L. Hammer). — *Phthiridium* (n. g.) *biarticulatum* n. sp.; *Ph. vespertilionis*, redes.

Hesketh, G. E.

*1951. Ringing bats in Denbighshire. *Naturalist*, London 1951: 180. — *Nycteribia pedicularia* ex *Myotis daubentoni* nr Ruthin.

*1954. Notes on Denbighshire bats. II. *Proc. Chester Soc. Nat. Sci. Lit. Art* **5**: 100-108. — *Nyct. pedicularia* ex *M. daubentoni*, p. 107, probably repeating the 1951 record.

Hiernaux-Ihoest (*see* van Riel & Hiernaux Ihoest)

Hincks, Walter D. (*see* Kloet & Hincks)

Hiregaudar, L. S. & D. V. Bal

1955. Ectoparasites of some bats from India. *Curr. Sci., Bangalore* **24**: 221-222. [Abstr. of next article]. — *Basilina scotti*, *Penicillidia bombayensis*, *Eucampsipodia hyrtli orientalis*, *Nycteribosca taji*, *Raymondia joblingi* nom. nuda, p. 221.

1956. Some ectoparasites of bats from India. *Agra Univ. J. Res. (Sci.)* **5**: 1-134, 161 figs. — Nyct., pp. 6-67, key to 9 g., redes. & rec. of 11 spp. (in 6 g.); Streb., pp. 67-81, key to 2 g., redes. & rec. of 5 spp. (in 2 g.); *Penicillidia bombayensis* (!), *Basilina scotti*, *Nycteribosca taji*, *Raymondia joblingi* n. spp.; *Eucampsipodia hyrtli orientalis* n. ssp.

Hoffmann [= Hoffmann Mendizabal, = Hoffmann-Sandoval], Anita

*1944. Ectoparásitos de murciélagos mexicanos. 150 pp., 55 figs. Thesis, Univ. de Mexico.

1953. Estado actual del conocimiento de los Estreblidos mexicanos. *Mem. Congr. Cient. Mex.* **7** (*Cienc. Biol.*) (IV Centenario Univ. Mex. 1551-1951): 175-193, 4 pls. — Keys to 2 subfam., 10 g., 10 *Trichobius* spp.; host index; annotated list of 19 spp. (in 10 g.); new host & distrib. rec. for 13 spp.

Holdenried, R., F. C. Evans & D. S. Longanecker

1951. Host-parasite-disease relationships in a mammalian community in the Central Coast Range of California. *Ecol. Monogr.* **21**: 1-18. — *Trichobius corynorhini*, p. 14.

Hoogstraal, Harry (*see* Sanborn & Hoogstraal)

Hooper, J. H. D.

*1964. Bats and the amateur naturalist. *Stud. Speology* **1**: 9-15. — Nyct. referred to, no specific mention, p. 10.

Hooper, J. H. D. & W. M. Hooper

1956. Habits and movements of cave-dwelling bats in Devonshire. *Proc. Zool. Soc. Lond.* **127**: 1-26, 4 figs., 6 pls. — *Nycteribia biarticulata* "seen frequently on *Rhinolophus hipposideros*", p. 15.

Hooper, W. M., J. H. D. Hooper & T. R. Shaw

*1950. Some observations on the distribution and movements of cave-dwelling bats in Devonshire. *Naturalist*, London 1950: 149-157, 1 fig. — *Nyct. biarticulata* listed, p. 150.

Howell, D. E. (see Zeve & Howell)

Howlett, F. M. (see Maxwell-Lefroy & Howlett)

Hsü, Yin-Chi

1935. Two new species of insect parasites of the bat in Soochow. *Peking Nat. Hist. Bull.* **9**: 293-298, 1 pl. — *Listropodia wui* n. sp.

1936. Nycteribiidae of Soochow. *Peking Nat. Hist. Bull.* **10**: 275-279, 1 pl. — *L. wui*, redes.; *Penicillidia soochowensis* n. sp.

Hubbard, D. H.

1941. Some mammalian ectoparasites. *J. Mammal.* **22**: 202-203. — *Basilisa* sp. (nr *dunni*) ex *Antrozous*, California.

Hubbard, Henry G.

1901. Insect life of Florida caves. *Proc. Ent. Soc. Wash.* **4**: 394-396. — *Trichobius major*, *Nyct.* indet., rec., p. 395.

Hughes, Howard

1960. A remarkable parasite of the long-fingered bat. *Austral. Mus. Mag.* **13**: 183, 2 figs. — *Ascodipteron* sp. ex *Miniopterus*.

Humphries, D. A.

1959. Caves and bats. *J. King's Coll. Nat. Hist. Soc.*, Newcastle **1**: 18-21. — 152 specim. of *Nycteribia biarticulata* found on 195 individuals of *Rhinolophus hipposideros*, Gloucestershire, p. 20.

Hunter, S. J.

1914. Department of Entomology of the University of Kansas. Historical account. *Kansas Univ. Sci. Bull.* **8**: 1-61. — *Trichobius dugesii*, *Nycteribia antrozoi*, types in Dept. Mus., p. 27.

Hürka, Karel

*1957. Prispěvek k systematice, faunistice, bionomii a ekologii netopyřích blech v CSR. *Cs. Parasit.* **4**: 145-166.

*1958a. Hmyzí ektoparasiti netopyru v oblasti rezervace "Malý a Velký Tisý". *Ochrana Přírody* **13**(4): 96-98.

1958b. Beitrag zur Nycteribienfauna Bulgariens. *Zool. Listy* **7**: 231-234. — 7 spp., rec., 3 of them new to the country.

1959a. *Penicillidia monoceros* Speiser in Czechoslovakia, contribution to the morphology, bionomy and distribution. *Acta Soc. Ent. Csl.* **56**: 126-128, 1 fig. — *P. monoceros*, des., summary of known hosts & distribution.

1959b. Ueber die Insektenektoparasiten der Fledermäuse des Isergebirges. (In Czech, w. German summary). *Sb. Severoces. Mus. Prír. Vědy* **1** (for 1958): 142-146. — 4 Nyct. spp. (271 specimens) ex 125 bats (of 8 spp.).

1962. Beitrag zur Nycteribien- und Streblidenfauna Albaniens nebst Bemerkungen zur Fauna von Bulgarien, Ungarn und UdSSR. *Acta Soc. Ent. Csl.* **59**: 156-164, 2 maps. — 7 Albanian & 5 Bulgarian spp., rec.; batfly faunae, Hungary & USSR, critically reviewed; northern limits, *Nycteribia pedicularia* & *Nycteribosca kollari*, discussed; *Penicillidia dufouri* (Tashkent), *Nycteribia biarticulata* (W. Caucasus), *pedicularia* (Romania) rec.

1963a. Zur Kenntnis der Puparien von *Nycteribia latreillii* (Leach), *N. kolenatii* Theodor, *N. vexata vexata* Westwood und *N. biarticulata* (Hermann) nebst Bemerkungen zu den übrigen bekannten Puparien der europäischen Nycteribiidenarten. *Acta Soc. Zool. Bohemoslav.* **27**: 46-50, 2 figs. — 4 *Nycteribia* spp., puparia, des., fig.; syn. of puparia described by earlier workers.

1963b. Ergebnisse der Albanien-Expedition 1961 des Deutschen Entomologischen Institutes. 8. Beitrag. Diptera: Nycteribiidae und Streblidae. *Beitr. Ent.* **13**: 59-64. — Albanian batfly-fauna (7 Nyct., 1 Streb. sp.) reviewed; new rec. for 5 spp.

1964a. Distribution, bionomy and ecology of the European bat flies with special regards to the Czechoslovak fauna. *Acta Univ. Carolinae* (Praha), *Biol.* 1964: 167-234, 2 figs., 18 maps. — 12 European Nyct. spp. (ex 29 spp. of bats) allotted to arbori- & cavernicolous groups, distribution & host records summarized, key to puparia of 9 spp.; 10 Czech Nyct. spp. (2183 specimens) ex 4245 bats (of 21 spp.), plus 7 spp. from Albania, Bulgaria & USSR (669 specimens), data analysed; *Basilisa italica*, des.; *Penicillidia dufouri* (Tashkent), *Nycteribia biarticulata* (W. Caucasus) & 4 Kirghiz *Nycteribia* spp., rec.

1964b. Revision der Nycteribiidae und Streblidae -Nycteriboscinae aus der Dipterenammlung des Zoologischen Museums in Berlin, mit Beschreibung von *Eucampsipoda theodori* n. sp. und des Männchens von *Penicillidia decipiens* Theodor. *Mitt. Zool. Mus. Berlin* **40**: 71-86, 2 figs. — 6 Nycteriboscinae, 36 Nyct. spp. (436 specimens, incl. 11 types) listed from Comoro, Congo, Egypt, Kenya, Madagascar, S. Tomé, Senegal, S. Africa, Tanzania, Czechoslovakia, Germany, Greece, Yugoslavia, Poland, Russia, Sardinia, Syria, Turkey, Arabia, Ceylon, Taiwan, Philippines, Java, Lombok, New Caledonia, Bismarck Arch., Brazil, Venezuela.

1965. Streblidae from the Republic of Guinea with a note on the distribution of this family in West Africa. *Acta Ent. Bohemoslov.* **62**: 233-234. — 3 *Raymondia* spp., rec.; W. African Streb., checklist, 11 spp.

1969. *Basilisa* (*Basilisa*) *rybini* sp. n. and notes on the Nycteribiidae of the Caucasus and Central Asia. *Acta Ent. Bohemoslov.* **66**: 387-398, 5 figs. — 4 Caucasian, 12 C.

Asian (Turkmenia, Uzbekistan, Kirghiz, E. Kazakstan) & 1 N. Chinese sp. rec.; *Bas.* (*Bas.*) *rybini* n. sp.; *Nycteribia quasiocellata*, *N. lindbergi*, *Stylidia szechuana*, *Bas. mongolensis*, *Penicillidia d. dufourii*, *P. d. tainani*, *P. monoceros*, des.; zoogeographical analysis of 20 Nyct. spp. occurring in C. Asia.

1970a. *Basilia* (*Basilia*) *cubana* sp. n., a new bat fly from Cuba. *Acta Ent. Bohemoslov.* **67**: 335-338, 1 fig. — *B. cubana* n. sp. ex *Eptesicus fuscus* (27% & 60% parasitized in 2 colonies); *B. ferruginea* rec.

Hürka, K. & J. Chalupský

*1956. Nález zajímavých ektoparazitů netopýra *Myotis bechsteini* Kuhl. *Ochrana Ptrody* **11** (10): 295-297.

Hürka, K. & D. Povolný

1968. Faunal and ecological study on the families Nycteribiidae and Streblidae of the Nangarhar Province (Eastern Afghanistan). *Acta Ent. Bohemoslov.* **65**: 285-298, 9 figs., 2 pls. — 13 Nyct., 6 Streb. spp. known from Afghanistan, 9 and 2 of which, respectively, of Palaearctic element; *Stylidia biloba orientalis* n. ssp., *Basilia afghanica*, ♂; other spp., des., rec.

Hurlbut, Herbert S.

1949. Arthropods of potential medical and veterinary importance from Ponape, Caroline Islands. *Pacif. Sci.* **3**: 278. — *Cyclopodia* sp., listed.

International Commission on Zoological Nomenclature

1936. Opinions 124-33. *Smiths. Misc. Coll.* **73** (8) (=Publ. 3395): 1-44. — Opinion 128, p. 29, *Nycteribia* Latr. (w. *pedicularia* Latr. as type) placed on official list of generic names, *vespertilionis* rejected for all specific names in combination w. *Acarus*, *Acrocholidia*, *Celeripes*, *Hippobosca*, *Listropoda*, *Megistopoda*, *Nycteribia*, *Pediculus*, *Penicillidia*, *Phthiridium*, *Strebla*, etc.

Jacobson, Edward

1912. [Observations and collecting at Tjilatjap, Central Java]. *Tijds. Ent.* **55** (Verslag): vii-xiv. — *Ascoipteron* sp. ex *Miniopterus*, pp. ix-x.

Jameson, D. Kittrell

1959. A survey of the parasites of five species of bats. *Southw. Naturalist* **4**: 61-65. — *Trichobius major* ex *Myotis* & *Corynorhinus*; Nyct. indet. ex *Myotis*; Texas & New Mexico rec.

Jeannel, René G.

1926. Faune cavernicole de la France. *Encycl. Ent.* (A), **7**: 1-334, 74 figs., 15 pls. — 1 *Nycteribosca*, 3 *Nycteribia* spp., pp. 316-317, rec. after Falcoz 1923.

1943. Les fossiles vivants des cavernes. *L'Avenir de la Science* (n. s.), **1**: 1-321, 120 figs. Paris (Gallimard). — Nyct. -Streb., general remarks, pp. 234-235; *Nycteribia biarticulata* ex solitary bats *Rhinolophus*; *N. pedicularia*, *N. schmidti* (!) *Penicillidia* spp., ex gregarious bats.

Jellison, William L. (*see* Kohls & Jellison)

Jobling, Boris

1928. The structure of the head and mouthparts in the Nycteribiidae. *Parasitology* **20**: 254-272, 4 figs., 3 pls. — Immovable & movable parts, muscles of head studied, compared w. those of Hippoboscidae.

1929. A comparative study of the structure of the head and mouthparts in the Streblidae. *Parasitology* **21**: 417-445, 6 figs., 3 pls. — Head less modified in Streb. than in Nyct. & resembling that of Acalyptata.

1930. A revision of the genus *Raymondia* Frauenfeld. *Parasitology* **22**: 283-301, 10 figs. — General morphology, key (6 spp.), redes.; *R. planiceps*, *quadriceps* n. spp.; *R. huberi setosa* n. ssp.

1931. A new species of the genus *Raymondia* Frauenfeld with a note on *Raymondia quadriceps* Jobling and *R. bedfordi* Ferris. *Parasitology* **23**: 79-83, 2 figs. — *R. waterstoni* n. sp. Tanzania; *bedfordi* having priority over *quadriceps*.

1934a. A revision of the genus *Nycteribosca* Speiser. *Parasitology* **26**: 64-97, 16 figs. — Distribution, general morphology; 16 spp., key, redes.; *cucullata*, *nigriceps*, *falcozi*, *modesta*, *speiseri*, *pygialis*, *caudata* n. spp.

1934b. A new species of the genus *Nycteribosca* Speiser. *Parasitology* **26**: 98-99, 1 fig. — *N. minuta* n. sp., Solomon Is.

1935. An endoparasitic dipteran (*Ascodipteron* sp.) from the skin of the bat. [Demonstration]. *Trans. R. Soc. Trop. Med. Hyg.* **29**: 3. — *Ascodipteron*, general remarks.

1936a. A revision of the subfamilies of the Streblidae and the genera of the subfamily Streblinae including a redescription of *Metelasmus pseudopterus* Coquillett and a description of two new species from Africa. *Parasitology* **28**: 355-380, 5 figs. — Streb., general morphology, key to Nycteriboscinae, Ascodipterinae, Trichobiinae, Streblinae; Streblinae, key to 5 g.; *M. pseudopterus* (Panama), redes.; *Nycteribosca bequaerti* (Tanzania), *Raymondia intermedia* (Congo) n. spp.

1936b. A new species of the genus *Nycteribosca*, with notes on *Nycteribosca minuta* Jobling (1934). *Proc. Ent. Soc. Lond. (B)*, **5**: 177-178, 1 fig. — *N. scutellaris* (Fiji) n. sp.; *N. minuta*, Australia, rec.

1938. A revision of the species of the genus *Trichobius*. *Parasitology* **30**: 358-387, 14 figs. — Morphology, synonymy, distribution, host relationship; 15 spp., key, redes.; *kesselae* n. sp.

1939a. A redescription of *Pseudostrebla ribeiroi* Costa Lima and the description of a new genus and species of the Streblidae from Brazil. *Arb. Morph. Tax. Ent. Berl.* **6**: 268-275, 2 figs. — *Ps. ribeiroi* (Brazil), redes.; *Stizostrebla* (n. g.) *longirostris* n. sp.

1939b. On the African Streblidae including the morphology of the genus *Ascodipteron* Adens. and a description of a new species. *Parasitology* **31**: 147-165, 4 figs. — Rev. African forms; summation of host rec.; 3 *Nycteribosca*, 6 *Raymondia* spp., keys, rec.; *Ascodipteron*, morphology, affinities; *A. africanum* (Kenya) n. sp.; *Trichobius pseudo-truncatus* (Dominica & Bahamas) n. name.

1939c. On some American genera of the Streblidae and their species, with the description of a new species of *Trichobius*. *Parasitology* **31**: 486-497, 4 figs. — *Synthesiostrebla amorphochili* (= *Speiseria ambigua*), *Paratrichobius longicrus* (Mexico, Paraguay), *P. dunni*, redes.; *Trichobius sphaeronotus* (Mexico) n. sp.; *Metelasmus pseudopterus* (= *Lemosia setosa*).

1940. Description of the young female and of the male of *Ascodipteron africanum* Jobling. *Parasitology* **32**: 399-404, 1 fig. — Material fr. Kenya.

1947. On *Speiseria ambigua* Kessel and *Synthesiostrebla amorphochili* Townsend, with a redescription of the latter. *Proc. Ent. Soc. Lond.* (B), **16**: 39-41, 1 fig. — *Speiseria ambigua* reinstated; *Synth. amorphochili* (Peru) redes.

1949a. A new species of *Nycteribosca* from Africa. *Proc. Ent. Soc. Lond.* (B), **18**: 54-55, 1 fig. — *N. longiarista* n. sp., Sierra Leone.

1949b. A revision of the species of the genus *Aspidoptera* Coquillett, with some notes on the larva and puparium of *A. clovisi*, and a new synonym. *Proc. Ent. Soc. Lond.* (B), **18**: 135-144, 4 figs. — *Aspidoptera*, 4 spp., key, redes.; *A. clovisi*, larva; *Speiseria ambigua* (= *Paratrichobius anduzei*).

1949c. Host-Parasite relationship between the American Streblidae and the bats, with a new key to the American genera and a record of the Streblidae from Trinidad, British West Indies. *Parasitology* **39**: 315-329, 3 figs. — Host rec. summarized-analysed; key to 16 g.; 14 spp. (in 9 g.), Trinidad, rec.

1951. A record of the Streblidae from the Philippines and other Pacific islands, including morphology of the abdomen, host-parasite relationship and geographical distribution, and with descriptions of five new species. *Trans. Ent. Soc. Lond.* **102**: 211-246, 10 figs., 2 maps. — Streb., terminalia morphology; Oriental forms, host rec. summation, distribution-pattern, keys (20 *Nycteribosca*, 4 *Raymondia* spp.), rec. for Burma, Malaya, Szechwan, Ryukyus, New Guinea, New Caledonia, Queensland, Fiji; *Nycteribosca macrops*, *hoogstraali*, *proxima*, *weneri*, *Raymondia pseudopagodarum* n. spp.

1952. Description of two new species of *Ascodipteron* from Africa and one species of *Nycteribosca* from Madagascar. *Parasitology* **42**: 126-135, 4 figs. — *Ascodipteron rhinopomatos* (Egypt, Palestine), *jonesi* (Sierra Leone), *Nycteribosca wenzeli* (Madagascar) n. spp.; *Pterellipsis proxima* (Brazil) compared w. *aranea*.

1954a. Streblidae from the Belgian Congo, with a description of a new genus and three new species. *Rev. Zool. Bot. Afr.* **50**: 89-115, 5 figs. — Streb., general remarks, key to 4 Old World g.; African *Nycteriboscinae*, host rec. summation, ♂ genitalia morphology, keys to 6 *Nycteribosca*, 9 *Raymondia* spp.; rec. for Angola, Egypt, Kenya, Nigeria, Nyasaland, Sierra Leone, S. Africa, Sudan, Uganda; *Raymondia seminuda*, *setiloba*, *Raymondioides* (n. g.) *leleupi* n. spp.

1954b. A new species of *Raymondia* from the Cameroons. *Proc. Ent. Soc. Lond.* (B), **23**: 47-48, 1 fig. — *R. scopigera* n. sp.

1955. New species of *Raymondia* from the Belgian Congo. *Rev. Zool. Bot. Afr.* **51**: 208-211, 4 figs. — *R. simplex* n. sp.

1956. Streblidae from the French Ivory Coast, with a description of new species. *Rev. Suisse Zool.* **63**: 377-385, 2 figs. — 2 *Raymondia*, 1 *Raymondioides* sp., Ivory Coast;

1 *Raymondia* sp., French Guinea, rec.; *Raymondia brachyphysa*, *Ascodipteron megastigmatos* n. spp.

1957. Streblidae from Yemen, with description of one subspecies of *Ascodipteron*. *U. S. Dep. Navy, Res. Rept.* NM 005 050. 39. 61: 1-4. — 2 spp., rec.; *A. africanum* n. ssp. (unnamed).

1958. Streblidae from Yemen with description of one subspecies of *Ascodipteron*. *Fieldiana, Zool.* **39**: 185-189, 1 fig. — *Nycteribosca africana*, des., rec.; *A. africanum rhinolophi* n. ssp.

1959. Diptera (Brachycera): Streblidae. In B. Hanström, P. Brinck & G. Rudebeck (ed.): *South African animal life* **6**: 426. — *Nycteribosca africana*, rec.

Johnson, Charles W.

1894. List of the Diptera of Jamaica with descriptions of new species. *Proc. Acad. Sci. Philad.* **46**: 271-281. — *Strebla vespertilionis* (= *avium*, = *wiedemanni*) listed as a Nyct., p. 281 (cf. Cockerell 1894).

Jones, J. Knox, Jr. & H. H. Genoways

*1967. Annotated checklist of bats from South Dakota. *Trans. Kansas Acad. Sci.* **70**: 184-196. — *Basilina forcipata* ex *Myotis volans*, p. 190.

Jörg, Miguel E. (see Mazza & Jörg)

Joseph, Gustav

1882. Systematisches Verzeichniss der in den Tropfstein-Grotten von Krain einheimischen Arthropoden nebst Diagnosen der vom Verfasser entdeckten und bisher noch nicht beschriebenen Arten. *Berl. Ent. Z.* **26**: 1-50. — 5 *Nicterybia* (!) spp., rec., p. 49 (plus 1 unnamed "probably undescribed" sp. w. long slender body & legs).

Karaman, Zora S.

1936. Die Nycteribien Jugoslaviens. (In Serbian, w. German summary). *Bull. Soc. Sci. Skoplje* (sect. 5 Sci. Nat.), **17**: 9-20, 2 pls. — 2 *Penicillidia*, 5 *Nycteribia* spp., key, rec., ♂ genitalia; latter g. in 3 subg. (*Listropodia*, *Celeripes*, *Nycteribia* s. s.)

1939a. II. Beitrag zur Kenntnis der Nycteribien. *Ann. Mus. Serb. Merid.*, Skoplje **1** (3): 31-44, 11 figs. — 7 *Listropodia*, 1 *Celeripes*, 3 *Nycteribia*, 3 *Penicillidia*, 2 *Cyclopodia* spp., of Austria, Bulgaria, Tunis, Egypt, S. Africa, Taiwan, Fiji, rec., des.; *L. capensis*, *formosana* n. spp.; *L. latreillei africana* n. ssp.

1939b. III. Beitrag zur Kenntnis der Nycteribien. *Bull. Soc. Sci. Skoplje* **20**: 131-134, 4 figs. — *Listropodia pedicularia blasii* (Posen), *Penicillidia jenyysi* (Taiwan, Java), *P. dufouri monoceros* (Germany), *P. d. tainani* (n. ssp., Taiwan), *P. fulvida* (E. Africa) rec., des.

1947. Prilog poznavanju Nikteribija (Nicterybiae) IV. [IV. Beitrag zur Kenntnis der Nycteribien]. "Rada" *Acad. Yougosl.* **273** (*Bull. Int. Acad. Yougosl. Sci. & Beaux-Arts* n. s., livre 1): 117-127, 6 figs. — 1 *Listropodia*, 1 *Penicillidia*, *Nycteribia reichnowi* (n. sp.), 1 *Basilina*, 3 *Cyclopodia* spp. of Germany, "Judée", Sierra Leone, Cameroons, Madagascar, Venezuela, rec., des.

1961. Ein Nycteribiidae Ausbeute aus Serbien. (In Serbian, w. German summary).

Bull. Mus. Hist. Nat. Belgrade (B), **17**: 235-240. — 2 *Penicillidia*, 5 *Nycteribia* spp., rec.; *N. kolenatii*, *Basilia nana* not yet found in Balkan Penin.

Karsch, Ferdinand A. F.

1884. [*Cyclopodia greeffi* n. sp.] In R. Greeff: Ueber die Fauna der Guinea-Inseln San Thome und Rolas. *S. B. Ver. Beförd. Ges. Naturw. Marburg* 1883: 77-78. [Greeff's entire paper, pp. 41-78]. — *C. greeffi* n. sp. compared w. *C. sykesii* fr. New Ireland.

Kelsall, J. E.

*1887. The distribution in Great Britain of the lesser horseshoe bat. *Zoologist*, London **11**: 89-93. — *Nycteribia hermanni*, *N. biarticulata*, both ex *Rhinolophus hipposideros*, rec.

Kertész, Kálmán

*1910. Magyarország szárnyatlan és csökevényes szárnyú legyei. *Rovartani Lapok* **17**: 179-184. — *Nycteribia schmidli*, Hungary, rec.

Kessel, Edward L.

1952. New host records for *Trichobius corynorhini*. *Wasmann J. Biol.* **10**: 7-8.

Kessel, Quinta C.

1924. Notes on the Streblinae, a subfamily of the Streblidae. *Parasitology* **16**: 405-414, 8 figs. [Introductory notes, by H. Scott, pp. 405-406]. — Streb., characters; *Euctenodes tonatae* (n. sp.), *mirabilis*, *Strebla vespertilionis*, des.; misc. rec. for Bolivia, Brazil, Colombia, Ecuador, Panama, Peru.

1925. A synopsis of the Streblidae of the world. *J. N. Y. Ent. Soc.* **33**: 11-33, 4 pls. — Keys to 2 subfam., to 16 g., & to 4 *Aspidoptera*, 2 *Euctenodes*, 7 *Nycteribosca*, 2 *Paradyschiria*, 3 *Raymondia*, 2 *Strebla*, 8 *Trichobius* (+ 2 var.) spp.; *Paradyschiria lineata*, *Speiseria* (n. g.) *ambigua*, *Trichobius truncatus* (+ n. var. A) n. spp.; *T. major* n. var. *quadrisetosa*.

Kiewlicz, Alicja (see Wenzel, Tipton & Kiewlicz)

Kirschenblatt, J. D.

*1936. Fauna der Nester der Säugetiere und Vögel. *Probl. Ecol. Biocen.* (Voprosi Ekologii Biotsenologii), Leningrad **3**: 47-60. — Nyct. indet. found in birds' nest.

Kishida, Kikuchi

1928. On the identity of *Nycteribia oitaensis* with *Penicillidia nattereri*. (In Japanese). *Lansania*, Tokyo **1**: 92.

1932a. Nycteribiidae. (In Japanese). In K. Uchida et al.: *Iconographia insectorum japonicorum*: 237-242, figs. 460-468. — 4 *Listropodia*, 2 *Acrocholidia*, 1 *Penicillidia*, 1 *Stylidia*, 1 *Paracyclopodia*, 1 *Cyclopodia* sp., rec., des.; *L. pygmaea*, *A. nipponensis*, *S. tarsalis*, *C. magna* n. spp. (Cf. Esaki 1950).

1932b. Streblidae. (In Japanese). In K. Uchida et al.: *Iconographia insectorum japonicorum*: 236, fig. 459. — *Trichobius molossus*, rec., des.

Klemmer, K. & H. Krampitz

1954. Zur Kenntnis der Säugetierfauna Siziliens. *Senckenberg. Biol.* **35**: 121-135. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 126; *N. latreillii*, *schmüdli*, *vexata* ex *Myotis*, p. 127.

Kloet, George S. & W. D. Hincks

1945. A check list of British insects. lix+483 pp. Stockport (The Authors). — *Nycteribia latreillei*, *Stylidia biarticulata*, p. 427.

Klugkist, Carl E.

*1909. Beiträge zur Kenntnis der tierischen Ektoparasiten mit besonderer Berücksichtigung der in Nordwestdeutschland vorkommenden Wirtstiere. *Abh. Naturw. Ver. Bremen* **19**: 520-555. — 7 *Nycteribia*, 4 *Penicillidia* spp., w. hosts, listed pp. 544-545 (apparently compiled fr. Speiser 1901).

Koch, Carl

1865. Das Wesentliche der Chiropteren mit besonderer Beschreibung der in dem Herzogthum Nassau und den angränzenden Landestheilen vorkommenden Fledermäuse. xiii+319 pp., 2 pls. Wiesbaden (J. Niedner). [Reprinted fr. 1862-63. *Jahrb. d. Ver. Naturk. Herzogth. Nassau* **17-18**: 263-640, pls. 1-2]. — 3 *Listropodia*, 2 *Acrocholidia*, 1 *Stylidia*, 1 *Penicillidia*, listed p. 295.

Kohls, Glenn M.

1954. New distributional records for *Trichobius corynorhini*. *Wasmann J. Biol.* **12**: 27-28. — Arizona, Oklahoma, Montana rec.

Kohls, G. M. & W. L. Jellison

1948. Ectoparasites and other arthropods occurring in Texas bat caves. *Bull. Nat. Speleol. Soc.* **10**: 116-117. — 2 *Trichobius* spp., rec.

Kolenati, Friedrich A.

*1856a. [*Mermis nycteribiae* n. sp.] 32. *Versammlung Deutscher Naturforscher u. Ärzte*.

1856b. Eine neue mährische *Nycteribia*. *Verhandl. Zool. Bot. Ver. Wien* **6**: 189-190, 1 pl.— *N. frauenfeldii* n. sp.

1856c. Die Parasiten der Chiropteren. 51 pp., 4 pls. Brünn (Rohrer). Re-issued 1857 in Dresden (Kuntzel). — 15 *Nycteribia* spp., redes., rec.; 2 *Strebla*, 1 *Lipoptena* spp., quotation of o. d.; *N. westwoodii*, *blasii*, *fitzingerii*, *hyrtlü* n. spp.; *N. montagui* n. name.

1857a. Synopsis prodroma der Nycteribien. *Wien. Ent. Monatschr.* **1**: 61-62. — 3 *Megistopoda*, 6 *Eucampsipoda* (n. g.), 1 *Stylidia*, 2 *Acrocholidia* (n. g.), 4 *Listropoda* (n. g.) spp. tabulated in key; *M. leachii*, *A. bechsteinii*, *L. nattererii* n. spp.

1857b. Epizoa der Nycteribien. *Wien. Ent. Monatschr.* **1**: 66-69, 1 pl. — *Arthro-rhynchus* (n. g.) believed to be of Acanthocephala; *A. westrumbii* n. sp. ex *Megistopoda westwoodii*, *A. diesingii* n. sp. ex *Acrocholidia montagui*.

1857c. Eine Excursion in die Hermannshöhle bei Kirchberg am Wechsel in Steiermark. *Wien. Ent. Monatschr.* **1**: 133-135. — *Stylidia hermannii* ex *Rhinolophus*, p. 135.

*1857d. Beitrag zur Naturgeschichte der europäischen Chiropteren. *Alleg. Dtsche Naturh. Ztg.* (n. F.), **3**: 1-24, 41-68. — Nyct., list.

1860. Monographie der europäischen Chiropteren. *Jahresheft d. Naturw. Sect. d. Mähr. -Schles. Ges. f. Ackerb. Natur- u. Landesk.* 1859 (Abh.): 1-156. — Nyct. -Streb., general account; 9 Nyct., 1 Streb. sp. (*Strebila flavipennis* = *Raymondia huberi*, p. 150) listed from 11 bat spp.

1863. Beitrag zur Kenntniss der Phthirio-Myiarien. *Hor. Soc. Ent. Ross.* **2**: 9-109, 15 pls. [Separata: 1863. Petersbourg, 101 pp., 15 pls., w. 1 portrait. Reviews, by I. R. Schiner, 1864, *Wien. Ent. Monatschr.* **8**: 267-268; by A. Gerstaecker, 1864, *Ent. Berichte*, Berlin 1864: 126]. — Monographic rev.; 4 *Listropodia*, 2 *Acrocholidia*, 1 *Stylidia*, 3 *Penicillidia*, 2 *Eucampsipodia*, 1 *Cyclopodia*, 1 *Raymondia* (*huberi* = *africana*, p. 91), 1 *Brachytarsina*, 1 *Strebila* sp. redes.; 6 "Nycteribia", 1 *Megistopoda*, 1 *Brachytarsina*, 1 *Strebila*, o. d. quoted, remarks.

Kozlowski, Slawomir

1956. Hippoboscidae i Nycteribiidae. (In Polish). In T. Jaczewski et al. (ed.): Klucze do oznaczania owadów Polski [Keys for the identification of Polish insects] **28** (77-78): 1-30, 46 figs. — Nyct., European, checklist, 13 spp. in 3 g.; keys to g., subg. (of *Nycteribia*), 8 Polish spp.; paper largely translated fr. that by Falcoz 1926.

Krampitz, H. (see Klemmer & Krampitz)

Krause, Anton H.

1911. Beiträge zur Insektenfauna Sardiniens. *Ent. Rdsch.* **11**: 106-110. — *Nycteribia blasii*, *Penicillidia dufourii* ex *Myotis*, p. 109.

Krutzsch, Philip H.

1955. Ectoparasites from some species of bats from western North America. *J. Mammal.* **36**: 457-458. — Unnamed Streb. ex *Choeronycteris* & *Corynorhinus*, Nyct. ex *Myotis*, *Corynorhinus* & *Antrozous*.

Kurskov, A. N. (see Arzamasov & Kurskov)

Lamarck, Jean B. P. A. de Monet de

1835. Histoire naturelle des animaux sans vertèbres. (ed. 2), **4**: 1-787. Paris(Baillière). [Entire work in 11 vols., published 1835-45; ed. 1 in 7 vols., Paris, 1815-22; ed. 3 in 3 vols., Bruxelles, 1837-39]. — *Nycteribia vespertilionis*, p. 15.

Lanza, Benedetto

1947. Nota preliminare sulla fauna di alcune grotte dei monti della Calvana (Firenze). *Atti Soc. Ital. Sci. Nat. & Mus. Stor. Nat. Milano* **86**: 180-184. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 183.

*1948. Esplorazioni speleologiche in Toscana. Le grotte di Bedizzano e di Ritomboli (Alpi apuane) e la loro fauna. *L'Universo* (Riv. d. Istit. Geogr. Militare d. Firenze) **28**: 229-257.

1950. La *Nycteribosca africana* (Walker) nell' Italia Peninsulare. *Mem. Soc. Ent. Ital.* **29**: 96. — *N. africana* ex *Rhinolophus*, nr. Rome.

1952. Nota preliminare sui Chiroterri della grotte di Castellana (Bari) e sulla scoperta di una specie nuova per la Penisola Italiana (*Rhinolophus mehelyi*). *Rass. Speleol. Ital.* **4**: 19-20. — *Nycteribosca africana* ex *Rhinolophus* spp., p. 19.

1959. Chiroptera. In A. Tosch & B. Lanza: Fauna d'Italia **4** (Mammalia: Generalita - Insectivora - Chiroptera): 187-473, 84 figs. Bologna. — 1 *Nycteribosca*, 6 *Nycteribia* (in 3 subg.), 2 *Basilis*, 3 *Penicillidia* spp., hosts, distribution in Italy, pp. 237-240.

1961. La fauna cavernicola della Toscana. *Rass. Speleol. Ital.* **13**: 23-51. — *Nycteribosca kollari*, p. 40.

Lanza, B. & G. Marcucci

1953. Nota su alcune grotte della Toscana con cenni sulla loro fauna. *Rass. Speleol. Ital.* **5**: 50-58, 6 figs. — 2 *Penicillidia*, 4 *Nycteribia*, 1 *Nycteribosca* sp., rec., p. 58.

Larrousse, Fernand L.

*1928. Ectoparasites. In M. Neveu-Lemaire et al.: Parasites des chauves-souris de la Côte d'Or. *C. R. Congr. Soc. Savantes* (Paris 1924): 275-276.

Latreille, Pierre A.

1796. Précis des caractères génériques des insectes, disposés dans un ordre naturel. xiv+210+5 pp. Brive (F. Bordeaux) — *Nycteribia* n. g., placed in class Acéphales.

1802. Histoire naturelle, générale et particulière des crustacés et des insectes. **3**: 1-464. Paris (Dufart). [This vol. 3 of the "Crustacés et Insectes" (entire series in 14 vols., published 1802-05) forms the vol. 95 of C. S. Sonnini (ed.): Histoire naturelle par Buffon (127 vols.), also forms part of the so-called "Suites à Buffon" series (63 vols.)] — Fam. Coriaceae, pp. 462-464; *Nycteribia*, "exemple. *Pediculus vespertilionis* Lin."

1803. Nyctéribie. *Nycteribia*. In Société de Naturalistes et d'Agriculteurs: Nouveau dictionnaire d'histoire naturelle, **15**: 570. [Entire vol., 580 pp.; entire "Dictionnaire" in 24 vols., 1803-04, Paris (Déterville)]. — *Nycteribia*, des.; *pedicularia* said to be the only sp. included.

1805. Histoire naturelle, générale et particulière des Crustacés et des Insectes. **14**: 1-432, 9 pls. [This is the last vol. of the "Crustacés et Insectes" series, see Latreille 1802, above]. — Coriacées: *Nycteribia pedicularia*, p. 403.

1809. Genera crustaceorum et insectorum **4**: 1-399, 4 pls. Paris & Argentorat (König). [Entire work in 4 vols., published 1806-09]. — *Nycteribia* placed in fam. Coriaceae, tribus Phthiromyiae.

1818a. Tableau encyclopédique et méthodique des trois règnes de la nature. In Société de Gens de Lettres, de Savans et d'Artistes: Encyclopédie méthodique Histoire naturelle **24**: pls. 268-397, w. 38 pp. of explanation. [Cf. Olivier A. G. 1812; pls. 1-267 published 1797, ed. by J. P. Bonnaterre, w. their explanation (published 1818) in 142 pp. by F. E. Guérin-Méneville]. — *Nycteribia hermanni* Latr. ♂ (*Phthiridium hermanni* Lch.), p. 37.

1818b. Nyctéribie. *Nycteribia*. In Société de Naturalistes et d'Agriculteurs: Nouvelle dictionnaire d'histoire naturelle, ... (ed. 2), **23**: 132-134. [Entire vol., 612 pp., 6 pls.; entire work in 36 vols, 1816-19. Cf. Latreille 1803, above]. — *Nycteribia*, general account; *N. blainvillii*, p. 133, *N. vespertilionis* Latr. (= *pedicularia*, = *biarticulatum*, = *hermanni*, = *latreillii*), p. 134, redes.

1825. Familles naturelles du règne animal 570 pp. Paris (Baillièrè). — *Nycteribia* placed in fam. Coriaceae.

1829a. Streblè. *Strebla* Dalm. (!). In: Dictionnaire classique d'histoire naturelle **15**: 674. [Entire vol., 754 pp. Paris (Rey & Gravier)]. — *Strebla*, des.

1829b. Les crustacés, les arachnides et les insectes, tome II. In G. C. L. D. Cuvier: Le règne animal (ed. 2), **5**: 1-556, 5 pls. [Entire work in 5 vols., published 1829-30. Paris (Déterville), of these only the vols. 4-5 (i. e., tomes I-II of the "Crustacés, Arachnides et Insectes" series) were by Latreille and deal w. Crustacea, Arachnida and Insecta. Ed. 1 of the work, in 3 vols., published 1816-17, Paris (Déterville), w. vol. 3 by Latreille but containing no batflies. Ed. 3, in 3 vols., published 1836, Bruxelles (L. Hausman), w. vols. 2 (p. 307 et seq.) & 3 by Latreille, q. v. Ed. 4 ("disciples edition") in 20 vols., w. 5 vols. on insectes, by Audouin et al., q. v.] — *Strebla* Dalm. (!), p. 544; *Nycteribia*, p. 545; des., no spp. mentioned.

1836. Les crustacés, les arachnides et les insectes. In G. C. L. D. Cuvier: Le règne animal (ed. 3), **3**: i-ii, 1-518. Bruxelles (L. Hausman). — Des pupipares (Pupipara), p. 324; les streblès (*Strebla* Dalm.) (!), p. 328, w. original reference given as "Dalm., Anal. Entom." (!); les nyctéribies (*Nycteribia* Latr. = *Phthiridium* Herm.), p. 329.

Lavoipierre, Michel

1946. *Ascodipteron africanum* Job., a remarkable South African parasite of bats. *J. Ent. Soc. S. Afr.* **9**: 94-95. — Rec., des.

Lawrence, J. J. (see Bearup & Lawrence)

Leach, William E.

1816. Annulosa (Insecta). In Encyclopaedia Britannica, Supplements: Supplement to the 4th, 5th and 6th editions **1** (2): 401-453, pls. 20-26. — *Phthiridium hermanni* ex *Rhinolophus*, p. 446, pl. 23.

1817. Descriptions of three species of the genus *Phthiridium* of Hermann. *Zool. Misc.*, London **3**: 54-56, pl. 144. [The plate, bearing no scientific names & drawn by R. P. Nooder, was published in 1814]. — *Ph. blainvillii* (Mauritius) n. sp.; *Ph. hermanni*, *latreillii* n. names.

Leclercq, Marcel & J. Théodoridès

1950. Some ectoparasites of birds and mammals observed recently in France. *Ent. Mon. Mag.* **86**: 74. — 1 *Penicillidia*, 3 *Nycteribia* (in 3 subg.) spp., rec.

Lefroy, H. Maxwell (see Maxwell-Lefroy & Howlett)

Leong, Ming Ching & A. G. Marshall

1968. The breeding biology of the bat-fly *Eucampsipoda sunndaicum* Theodor, 1955.

Malayan Nature J. **21**: 171-180, 5 figs. — General behavior (adult), development & metamorphosis similar in many details to other Nyct. previously reported.

Leruth, Robert

1939. La biologie du domaine souterrain et la faune cavernicole de la Belgique. *Mem. Mus. Hist. Nat. Belg.* **87**: 1-506. — *Penicillidia dufouri*, *Nycteribia vexata*, *latreillei*, p. 343.

Leuckart, C. G. F. Rudolph

1858. Die Fortpflanzung und Entwicklung der Pupiparen nach Beobachtungen an *Melophagus ovinus*. *Abh. Naturf. Ges. Halle* **4**: 145-226, 3 pls. — Nothing original for batflies but a critical historical review of papers by Réaumur, Nitzsch, Bonnet, Blanchard, Dufour, Kolenati etc. on the subject.

1861. Bericht über die wissenschaftliche Leistung in die Naturgeschichte der niedere Thiere während des Jahres 1859. Acanthocephali. *Arch. Naturg.* **26**(2): 131-132. — *Arthrorhynchus* Klnt., status discussed.

Lever, Robert J. A. W.

1941. Ectoparasites of native birds and a bat. *Agric. J., Fiji* **12**(2): 49-50. — *Cyclopodia similis* ex *Pteropus tonganus*, p. 50.

1942. Further notes on ectoparasites of bats and birds. *Agric. J., Fiji* **13**(2): 49. — *Nycteribosca scutellaris* ex *Emballonura semicaudata*.

1944. Insects associated with bats and bat guano. *Agric. J., Fiji* **15**(3): 77. — *Nycteribosca scutellaris* in 1942 paper corrected to *faxtoni* (!), also Samoa rec.

Lewis, Robert E. & D. L. Harrison

1962. Notes on bats from the Republic of Lebanon. *Proc. Zool. Soc. Lond.* **138**: 473-486, 1 pl., 1 map. — *Eucampsipoda aegyptiacus*, *Basilisa daganiae* & unnamed Nyct. spp., rec.

Lim, Boo Liat (*see* McClure, Lim & Winn)

Lima, A. M. da Costa (*see* Costa Lima, A. M. da)

Linnaeus, Carolus (= Linné, Carl von)

1758. Systema naturae, per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. (ed. 10, reformata), **1**: i-ii, 1-824. Holmiae (L. Salvii). [Altogether 13 editions, some w. slightly different subtitles; ed. 1 in 13 folio pp., 1735, Lugduni Batavorum (T. Haak); ed. 11, merely a reproduction of ed. 10, 1760, Halae (J. J. Curt); ed. 13, by J. F. Gmelin, q. v.] — *Pediculus vespertilionis* n. sp., w. des. & discussion but also citing Frisch (1728) in synonymy.

1761. Fauna suecica. (ed. 2), 46 (unnumbered)+578 pp., 2 pls. Stockholmiae (L. Salvii). [2 editions; ed. 1 in 26+411 pp., 2 pls., 1746, Stockholmiae (L. Salvii) & Lugduni Batavorum (C. Wishoff)]. — *Pediculus vespertilionis*, p. 475.

1767. Systema naturae ... (ed. 12), **1** (2): 533-1327 (Appendix in 36 unnumbered

pp.) Holmiae (L. Salvii). [vol. 1, pt. 1 in 532 pp., 1766]. — *Acarus vespertilionis* [= *Nycteribia*, teste Oudemans 1929], p. 1023.

Lioy, Paolo

1895. Ditteri italiani. vii+356 pp., 227 figs. Milano (Hoepli). — *Nycteribia leachii*, *Listropodia schmidti* (!), p. 332.

Löhrl, Hans

1953. Fledermaus-Fliegen. *Natur u. Volk* **83**: 182-185, 3 figs. — Unnamed European Nyct., popular account.

Loew, Hermann (*see* Agassiz & Loew)

Longanecker, D. S. (*see* Holdenried et al.)

Loveridge, Arthur

1923. Notes on East African mammals collected 1920-23. *Proc. Zool. Soc. Lond.* 1923: 685-739. — *Ascodipteron* sp., *Penicillidia pachymela* ex *Hipposideros caffer*, p. 694.

Lupascu, George (= Gheorghe) (*see* Corradetti & Lupascu)

Maa, Tsing C. (*see also* Peterson & Maa)

1962. Records and descriptions of Nycteribiidae and Streblidae. *Pacif. Ins.* **4**: 417-436, 17 figs. — 7 *Nycteribia*, 2 *Basilis*, 4 *Penicillidia*, 1 *Eremoctenia*, 1 *Archinycteribia*, 4 *Eucampsipoda*, 11 *Cyclopodia* (*Cyclopodia*), 2 *C.* (*Leptocyclopodia*), 10 *Nycteribosca*, 2 *Raymondia* (*Raymondia*) spp., misc. rec. for Switzerland, Ivory Coast, Cameroons, India, Ceylon, Thailand, Vietnam, Cambodia, Taiwan, Malaya, Java, Borneo, Sumba, Celebes, Philippines, Amboina, Timor, New Guinea, New Britain, Fergusson I., Solomon Is., New Hebrides, New Caledonia, Australia, Fiji, Samoa; *Nycteribia alternata*, *Erem. vandeuseni*, *Euc. divisum* n. spp.; *C.* (*C.*) *bougainvillensis petersi* n. ssp.; *Brachyothea* n. subg. for *Raym. lobulata*.

1965a. Ascodipterinae of Africa. *J. Med. Ent.* **1** (for 1964): 311-326, 56 figs. — *Ascodipteron*, 10 spp., key; *namrui*, *semirasum*, *variisetosum*, *brevior*, *theodori* n. spp.; *A. africanum rhinolphi* (= *lophotes*); comprehensive bibliography for the subfam.

1965b. An interim world list of batflies. *J. Med. Ent.* **1** (for 1964): 377-386. — 53 generic-subgeneric, 432 specific-subspecific names placed in 2 subfam., 11 g. of Nyct. (*Cyclopodiinae* n. subfam.) & 4 subfam., 20 g. of Streb. (*Brachytarsininae* n. name); *Oxycephala*, *Styloenicillidia*, *Tripselia*, *Nycteriphila*, *Nycteribosca*, *Pterellipsis* sunk as syn.; *Leptocyclopodia* raised to g.; *Basilis*, *Penicillidia*, *Nycteribia* tentatively divided into subg.; many n. combinations.

1966. Partial revision of the Cyclopodiinae. *Pacif. Ins.* **8**: 648-685, 69 figs. — *Cyclopodia pembertoni* group, rev., key to 4 spp.; *C. inflatipes* group, rec.; *Leptocyclopodia*, rev., keys to 5 spp.-subsp. of *Oncoposthia* n. subg. & 10 spp. of *Leptocyclopodia* s.s.; *C. ligula*, *aspinosa*, *dorsinuda*, *L.* (*O.*) *planiseta*, *zelotypa*, *L.* (*L.*) *pilosipectus*, *cheirogaster*, *schizopyga*, *brevicula* n. spp.; *L.* (*O.*) *macrura ambonae* n. spp.; *L.* (*L.*) *simulans*, des. of ♀; misc. rec. for Malaya, Borneo, Java, Philippines, Komodo, Celebes,

Amboina, New Guinea, New Britain, Solomon Is., Fiji, Samoa.

1967a. Streblidae. *Ins. Micronesia* **14**: 272-274, 1 fig. [Date of publication given on cover as 1966, but on back of title page as Jan. 1967]. — *Brachytarsina carolinae* n. sp.

1967b. A synopsis of Diptera Pupipara of Japan. *Pacif. Ins.* **9**: 727-760, 83 figs. — Keys to 1 *Cyclopodia*, 2 *Penicillidia*, 1 *Basilina*, 1 *Phthiridium*, 4 *Nycteribia*, 1 *Ascodipteron*, 2 *Brachytarsina* spp.; rec.; *N. tarsalis*, status discussed; *N. allotopa mikado* n. ssp.; *Brach. kanoi* n. sp.; Japanese & European faunae of Pupipara compared.

1968a. Additions to the Cyclopodiinae. Part I. *Pacif. Ins.* **10**: 1-23, 63 figs. — *Leptocyclopodia (Oncoposthia) laminata*, *L. (Leptocyclopodia) analis*, *villosa*, *thaii*, *Cyclopodia garrula*, *planipyga*, n. spp.; *C. macracantha longiseta* n. ssp.; *C. pembertonii* group, revised key; *L. (L.) brachythrinx*, ♀; *C. kalyania=sykesii*; misc. rec. for India, Thailand, Malaya, Borneo, Philippines, Celebes, New Guinea, New Hebrides s, Solomon Is.

1968b. New *Basilina* species from Thailand, Mexico and Brazil. *Pacif. Ins.* **10**: 25-32, 27 figs. — *B. benkingi*, *traubi*, *producta* n. spp.

1968c. On Diptera Pupipara from Africa, Part 1. *J. Med. Ent.* **5**: 233-251, 41 figs. — 4 *Brachytarsina*, 4 *Raymondia*, 1 *Raymondioides*, 1 *Ascodipteron*, 1 *Cyclopodia*, 3 *Nycteribia* (incl. 1 from Iran), 1 *Phthiridium*, 4 *Basilina*, 3 *Penicillidia* spp., rec., largely for Mozambique, some for Senegal, Nigeria, S. Africa, Madagascar; *Br. derosa*, *emersoni*, *Raymondia aspera*, *Bas. tarda*, *lamna* n. spp; summary of host rec.

1968d. Records of Hippoboscidae from the Central Pacific. *J. Med. Ent.* **5**: 325-328. — *Cyclopodia inclita*, Fiji, p. 328.

1968e. Results of the Speleological Survey in South Korea 1966. XII. Streblid and nycteribiid flies from South Korea. *Bull. Nat. Sci. Mus.*, Tokyo **11**: 385-396, 22 figs. — 1 *Brachytarsina*, 2 *Nycteribia* spp., rec.; *N. formosana* group, key to 5 spp., *uenoi*, *pleuralis* n. spp.

1969a. On the identity and type host of *Strebla molossa* Giglioli. *Pacif. Ins.* **11**: 495-496. — *Raymondia molossa*= *R. lobulata*.

McClure, H. Elliott

1965. Microcosms of Batu Caves. *Malayan Nature J.* **19**: 65-74. — *Eucampsipoda sunndaicum*, *Nycteribosca* sp. nr *gigantea*, rec., p. 74.

McClure, H. E., B. L. Lim & S. E. Winn

1967. Fauna of the Dark Cave, Batu Caves, Kuala Lumpur, Malaysia. *Pacif. Ins.* **9**: 399-428, 4 figs. — *Eucampsipoda sunndaica* & *Nycteribosca* sp. [*parvior*], population fluctuated w. that of *Hipposideros* bats & occasionally attacking observers & coming to light traps.

Machado-Allison, Carlos E.

1963. Un nuevo Nycteribiidae de Venezuela. (w. English summary). *Acta Biol. Venez.* **3**: 455-459, 6 figs. — *Basilina ortizi* n. sp.

1966. Notas sobre Streblidae de Venezuela. I. Las especies del genero *Pterellipsis*

Coquillett. (w. English summary). *Acta Biol. Venez.* **5**: 69-79, 11 figs. — Key to 3 spp., *P. delicata* n. sp.

1967. Sobre algunos ectoparasitos de mamíferos de la Biota Amazonica. *Atas do Simpósio sobre a Biota Amazônica* **5** (Zool.): 365-372. — 12 *Strebl.* & 8 *Nyct.* spp. listed for the area; general remarks on host relationship of those *Nyct.*

Mackie, Frederick P.

1914. Note on the parasite of bat malaria. *Indian J. Med. Res.* **2**: 375-376, 1 pl. — Dissections of *Nyct.* [*Cyclopodia sykesii*] ex *Pteropus edwardsii*, India, giving negative results of infection by *Plasmodium pteropi* Mackie (= *Pl. pteropi* Breinl.)

MacLeay, William S.

1819-21. *Horae entomologicae, or essays on the annulose animals.* **1**: 1-524, 3 pls. London. [All published, in 2 pts., 1st pt. in 1819 & 2nd, in 1821; ed. 2 (i.e., abridged French translations), published in 1833, Paris as an appendix (96 pp., 3 pls.) to "Annulosa Javanica"]. — *Phthiridion* (!), briefly mentioned.

Macquart, P. Justin M.

1835. *Histoire naturelle des insectes. Diptères.* **2**: 1-703, 12 pls. Paris (Roret). [This forms part of N. E. Roret (ed.): *Collection des suites à Buffon* 82 vols.+11 atlases]. — *Strebla*, 1 sp., placed in fam. Pupipara, tribus Coriaces; *Nycteribia*, 2 spp., in same fam., tribus Phthiromyies.

1843. *Diptères exotiques nouveaux ou peu connus. Mem. Soc. Sci. Agric. Arts Lille* 1842: 162-460, 36 pls. [Also published separately as his "Diptères exotiques nouveaux ou peu connus" **2** (3): 5-304, 36 pls. Paris. 1843]. — *Strebla vespertilionis* (S. Amer.), *Nycteribia jenyssii* (China), notes, fig.

1851. *Diptères exotiques nouveaux ou peu connus. Suite du 4^e supplement. Mem. Soc. Sci. Agric. Arts Lille* 1850: 134-294, 14 pls. [Also as "Diptères exotiques nouveaux ou peu connus" 4^e Supplement: 161-336, 14 pls. Paris. 1851]. — *Brachytarsina* (n.g.) *flavipennis*, *Nycteribia oegyptia* n. spp., Egypt.

1852. Notice sur nouveau genre de Diptères de la famille des Pupipares, tribu des Phthiromydes, sous le nom de *Megistopoda* (*M. Pilatei*). *Ann. Soc. Ent. Fr.* (2), **10**: 331-333, 1 fig. — *M. pilatei* n. sp., Mexico.

1855. *Diptères exotiques nouveaux ou peu connus. 5^e supplement. Mem. Soc. Sci. Agric. Arts Lille* 1854: 25-156, 7 pls. [Also as "Diptères exotiques nouveaux ou peu connus" 5^e Supplement: 5-136, 7 pls. Paris. 1855]. — *Strebla avium* n. sp., St. Domingo.

Marcucci, G. (see Lanza & Marcucci)

Markova, L. I.

1938. Effect of hibernation on the parasitization of bats. (In Russian w. English summary). *Zool. Zhurnal* **17**: 133-145, 1 fig. — *Penicillidia monoceros*, *Nycteribia pedicularia* ex *Eptesicus nilssonii*, nr Leningrad.

Marshall, Adrian G. (see also Leong & Marshall)

1970. The life cycle of *Basililia hispidata* Theodor 1967 in Malaysia. *Parasitology* **61**:

1-18, 5 figs., 2 pls. — Life cycle from emergence of ♀ adult to emergence of her first offspring typically 39 (5+9+25) days, not effected by seasons; sex ratio ca 1:1; adult mortality largely due to predation by host; ♀ longevity (5-6 weeks) longer than ♂ longevity; no major difference in life cycle from 5 other Nyct. previously known; puparium & larval developmental stages (illustrated) comparable to those of 1 *Nycteribia* & 2 *Penicillidia* spp.

Marumo, Nobumasa

1927. Nycteribiidae. (In Japanese). In K. Yokoyama et al.: *Figurars de Japanaj bestoj*: 532, fig. 1024. [Entire vol., 2165+67+94+172 pp., 4100 figs., 21 pls. Tokyo]. — *Penicillidia jenynsi*, des.

Massera M. G. (see Bianchi et al.)

Massonnat, Émile

1909. Contribution à l'étude des Pupipares. *Ann. Univ. Lyon* (n.s.), **1** (28): 1-356, 112 figs., 8 pls. — Nyct., rostrum, pharynx, nerve system, optic ganglion, systematic affinities compared w. Hippoboscidae.

Matheson, Robert

1928. Notes on a small collection of bat ecto-parasites. *Parasitology* **20**: 173-174. — *Trichobius dugesii*, *Pterellipsis aranea*, Cuba, rec.; *P. desiderata*, status discussed.

1945. Descriptions of two new species, *Paratrichobius anduzei* and *Nycteribosca franclemonti*. *J. Parasit.* **31**: 191-194, 2 figs. — *P. anduzei*, Venezuela; *N. franclemonti*, Solomon Is.

Matthews, L. H.

*1952. British mammals. xii+410 pp., illus. London (Collins). — Nyct., general remarks, p. 92, fig. 44.

Matsumura, Shonen

1931. 6000 illustrated insects of Japan-Empire. (In Japanese). 1497+34+191 pp., 6000 figs., 10 pls. Tokyo. — *Penicillidia jenynsi*, p. 391.

Maxwell-Lefroy, Harold & F. M. Howlett

1909. Indian insect life. A manual of the insects of the plains (tropical India). xii+786 pp., 536 figs., 84 pls. Calcutta (Thacker & Spink). — *Cyclopodia hopei*, Pusa, p. 657; *Raymondia pagodarum*, listed p. 657.

Mazza, Salvador & M. E. Jörg

1939. Presencia de *Trichobius parasiticus* en vampiros de la República Argentina. *Univ. Buenos Aires Misión. Estud. Pat. Reg. Argent. Publ.* **41**: 87-93, 6 figs. — Morphological notes.

Meigen, Johann W.

1830 Systematische Beschreibung der bekannten europäischen zweiflügeligen Insek-

ten. **6**: i-iv, 1-401, 12 pls. Hamm (Schulz). [Entire work in 7 vols., published 1818-38]. — *Nycteribia vespertilionis*, des., p. 238.

Meijere, Johannes C. H. de (see also van der Wulp & Meijere)

1899a. Nycteribiidae van Java. *Tijds. Ent.* **42** (Verslag): xxix-xxx. — *Cyclopodia* sp. ex *Pteropus edulis*.

1899b. *Cyclopodia horsfieldi* n. sp., eine neue Nycteribiide aus Java. *Tijds. Ent.* **42**: 153-157, 1 fig.

1912. Over *Ascodipteron* parasiet in vleermuishuid. *Tijds. Ent.* **55** (Verslag): xiv-xv. — Remarks on Jacobson's (1912) observation.

Mendizabal, A. H. (see Hoffmann, A.)

Menozi, Carlos

1939. La fauna della grotta della Suja sul Monte Fascie (Genova) ed osservazioni biologiche sulla *Parabathyscia doderoi* Fairm., *Mem. Soc. Ent. Ital.* **18**: 129-154, 15 figs. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 136.

Menzies, George C. (see Eads & Menzies; Eads, Wiseman & Menzies)

Mer, G. G. & N. Goldblum

1947. A haemosporidian of bat. *Nature*, London **159**: 444, 1 fig. — *Polychromophilus* found in *Penicillidia dufouri*; among 299 Israeli bats (of 10 spp.) examined, 48 bats (*Myotis myotis*, *M. nattereri*, *Miniopterus schreibersi*) were found to harbor pigmented malarial parasites; these bats were heavily infested by unnamed Nyct. spp., in one of which, sporozoites were found in salivary gland.

Milne-Edwards, Henri (see Audouin, Blanchard, Doyère & Milne-Edwards; Audouin & Milne-Edwards)

Miranda Ribeiro, Alipio de

1905. *Basilis ferruginea* genero novo e especie nova da familia das Nycteribias. *Arch. Mus. R. d. Janeiro* **12**: 175-179, 1 pl. — *B. ferruginea*, Brazil.

1907. Alguns Dipteros interessantes. *Arch. Mus. R. d. Janeiro* **14**: 229-239, 3 pls. — *Pseudelytomyia* (n.g.) *speiseri*, *Trichobius longicrus* n. spp.

Mitra, S. K. (see Choudhuri & Mitra)

Miyake, Tsunemasa

1919. Konchugaku Hanron [General treatise of entomology]. (In Japanese). 672+48+19+17 pp. 372 figs. (in 2 vols.) Tokyo (Shokabo). — *Penicillidia oitaensis* n. sp., p. 388, fig. 250.

Montagu, George

1808. An account of larger and lesser species of horseshoe bats proving them to be distinct, *Trans. Linn. Soc. Lond.* **9**: 162-173. — *Celeripes vespertilionis*, nom. nud., p. 166 footnote.

1815. Description of several new and rare animals, principally marine, discovered

on the South Coast of Devonshire. *Trans. Linn. Soc. Lond.* **11**: 1-26, 5 pls. — *Nycteribia vespertilionis* Latr. (= *Celeripes vespertilionis* Mont.), des., p. 11.

Monticelli, Fr. Saverio

1898. Di un'altra specie del genere *Ascodipteron* parassita del *Rhinolophus clivosus* Rüpp. *Ric. Lab. Zool. Anat. & Fisiol. Univ. Cagliari*, Roma **6**: 201-230, 1 pl. — *A. lophotes* n. sp., Eritrea; Ascodipteridae, n. fam.

Morlan, Harvey B.

1952. Host relationships and seasonal abundance of some Southwest Georgia ectoparasites. *Amer. Midl. Naturalist* **73**: 74-93. — *Basilia boardmani*, 34 flies ex 377 *Myotis lucifugus*, p. 84.

Morris, Francis O.

1865. A catalogue of British insects in all orders. 125 pp. London (Longmans, Green, Reader & Dyer). [According to N. D. Riley in Kloet & Hincks 1945: xv-xvi, possibly published in several parts in 1865-67 and onwards; preface dated iii. 1865 while p. 65 dated (Brit. Mus. receipt stamp) iii. 1867]. — *Nycteribia biarticulata*, *vespertonis* listed, p. 77.

Morstatt, H.

1913. Liste der blutsaugenden Fliegen und Zecken. *Der Pflanzer*, Dar-es-Salem **9**: 507-510, 1 pl. — *Nycteribia blainvillei*, *Eucampsipoda hyrtli*, German E Africa, p. 509.

Moscona, A. (see Theodor & Moscona)

Motschulsky, Victor von

1863. Essai d'un catalogue des insectes de l'Ile Ceylan. *Bull. Soc. Nat. Moscou* **36** (3): 1-153. — "*Nycteribia? scatophili* Walk.", p. 153. [Original reference of *scatophili* not located but it might be an error for *scatophili*, cf. Tennent 1859, 1861].

Müggenburg, F. Hans

1892. Die Rüssel der Diptera Pupipara. *Arch. Naturg.* **58** (1): 287-332, 2 pls. — *Nycteribia leachii* (?), pp. 323-328.

Muir, Frederick

1911. Bat and parasitical dipteron. *Proc. Ent. Soc. Lond.* 1911: xvi-xvii. — *Ascodipteron speiserianum* (nom. nud.), life-history.

1912. Two new species of *Ascodipteron*. *Bull. Mus. Comp. Zool., Harvard* **54**: 349-366, 3 pls. — *A. speiserianum*, *australiansi* (!) n. spp.; *Penicillidia progressa*, *Lipoptena* (!) *tolisina*, (n. spp.), *Cyclopodia albertisi*, *Nycteribosca amboinensis*, larvae, puparia; all n. spp. (except *australiansi*) fr. Amboina.

Mukerji, Durgadas & B. Dasgupta

1954. Some aspects of the anatomy of the bat-fly *Cyclopodia sykesii* Westwood. *Proc. Zool. Soc., Calcutta* **7**: 1-25, 15 figs. — External morphology, alimentary canal, reproductive system.

Musgrave, Anthony

1925. Australian Nycteribiidae. *Rec. Austral. Mus.* **14**: 289-300, 2 pls. — *Nycteribia*, subgeneric nomenclature; *N. (N.) falcozi*, *brevicauda* n. spp.; *Cyclopodia pteropus*, rec.

1927. Some new Australian Nycteribiidae. *Rec. Austral. Mus.* **15**: 263-276, 2 pls. — *Nycteribia (Nycteribia)*, key to 7 spp.; *N. (N.) halei*, *troughtoni*, *burrelli*, *multispinosa*, *longispinosa* n. spp.; 3 other *Nycteribia* spp., rec.

1930. Zoological nomenclature: Acarine or insects? (Letter to editor). *Nature*, London **125**: 414. — Identity of *Pediculus vespertilionis* Linn. 1758, as interpreted from diagnosis, cannot be an acarid but the same as *Nycteribia pedicularia*.

Nájera Angulo, Luis

*1945. Sobre el *Tripanosoma* de los lirones (*Tripanosoma blanchardi*) y de los murciélagos (*Schizotripanum vespertilionis*) hallados en España y su interés biológico. *Libro homenaje al Prof. C. R. López-Neyra*. Granada. — 4 *Nycteribia*, 2 *Penicillidia* spp. listed as hosts of *Sch. vespertilionis*.

Nègre, Jacques (see Balazuc et al.)

Neuhaus, Gustav H.

1886. Diptera Marchica. Systematisches Verzeichniss der Zweiflügler (Mücken und Fliegen) der Mark Brandenburg mit kurzer Beschreibung und analytisch Bestimmungstabellen. ii+371 pp., 6 pls. Berlin (Nicolaische). — *Nycteribia vespertilionis* Linn., des., p. 348.

Newman, Edward

1834. Attempted division of British insects into natural orders. *Ent. Mag.*, London **2**: 379-431. — *Nycteribia* placed in Diptera: Hippoboscina: Nycteribiites, p. 397.

Newstead, Robert

1909. A streblid (hippoboscid) fly parasitic on bats. In R. Newstead: Reports of the Twenty-First Expedition of the Liverpool School of Tropical Medicine. Jamaica, 1908-1909. Ticks and other blood-sucking Arthropoda. *Ann. Trop. Med. Parasit.* **3**: 468. [Entire Report, pp. 421-469, pls. 13-15; Insecta, pp. 462-469]. — *Trichobius parasiticus*, notes.

Nitzsch, Christian L.

1803. Nachricht von einem neuentdeckten Schmarotzerthier auf dem *Vespertilio murinus*. *Mag. Neuest. Zust. d. Naturk.* (Voigt), Weimar **6**: 365-370, 1 pl. — *Hippobosca vespertilionis* n. sp.

1818. Die Familien und Gattungen der Thierinsekten (Insecta epizoica) als ein Prodomus der Naturgeschichte derselben. *Mag. d. Ent.* (Germar) **3**: 261-316. [Separata: 1-88. Halle. 1818; abstr.: 1818. "Darstellung der Familien und Gattungen der Thierinsekten" *Isis* (Oken) **9**: 1563-1565]. — *Nycteribia*, p. 312, des.; *pedicularia* (= *vespertilionis* Nitzsch, = *biarticulatum*), p. 313.

1855. Zur Geschichte der Thierinsektenkunde. *Z. Gesamm. Naturw.*, Halle **5**: 269-287. — *Nycteribia vespertilionis*, *Hippobosca vespertilionis*, systematic position, pp. 270-280.

Nolan, Marbelle O. (*see* Stiles & Nolan)

Nordberg, Sven

1936. Biologisch-Oekologische Untersuchungen über die Vogelnicololen. *Acta Zool. Fenn.* **21**: 1-168, 4 figs. — *Nycteribia* sp. found in nest of *Passer domesticus*, pp. 44-45.

Norris, Kenneth S. (*see* Reeder & Norris)

Nowicki, Maximilian S.

1873. Beiträge zur Kenntnis der Dipterenfauna Galiziens. 35 pp. Krakau (Jagellon. Universitäts-Buchdruckerei) — *Nycteribia dufouri*, p. 34.

Nussbaum, Rosemarie

1960. Der Thorax von *Basilisa nana*. *Zool. Jahrb., Anat.* **78**: 313-368, 47 figs. — Skeleton, musculature, cuticle, sense organs, intestine, aorta, nervous, retrocerebral & tracheal systems.

Oldham, Charles

*1896. *Nycteribia latreillii* in Cheshire. *Naturalist*, London 1896: 340. — *N. latreillii* ex *Myotis daubentoni*.

*1912. *Nycteribia pedicularia* Latreille (= *N. latreillei* Leach) in Hertfordshire. *Trans. Herts. Nat. Hist. Soc.* **14**: 290. — *N. pedicularia* ex *Myotis daubentoni*.

Oldroyd, Harold

1953. A new Nycteribiid from Nigeria. *Proc. Ent. Soc. Lond.* (B), **22**: 59-60, 5 figs. — *Cyclopodia biannulata* n. sp.

1964. The natural history of flies. xiv+324 pp., 40 figs., 32 pls. London (Weidenfeld & Nicolson). — Chapt. 18, pp. 229-240, on flies parasitic on birds & mammals; fig. 37 showing profile of an unnamed Nyct., pl. 27 showing *Ascodipteron* cyst in situ.

Olfers, Ignaz F. M. von

1816. De vegetativis et animatis corporibus in corporibus animatis reperiendis commentarius. **1**: 1-iv, 1-112, 1 pl. Berlin (Maurer). [All published. Abstr.: 1818. *Isis* (Oken) **9**: 1561-1563]. — *Phthiridium* placed in Insecta Aptera, sect. Arthrosumata; *Ph. pediculare* (!), *biarticulatum*, des.

Olivier, Antoine G.

1812. Insectes. In Société de Gens de Lettres, de Savans et d'Artistes: Encyclopédie méthodique, ou par ordre de matières [sometimes titled "Dictionnaire encyclopédie méthodique"]. Histoire naturelle. **8**: 361-722. Paris (H. Agasse). [Pt. 1 of this vol., i.e. pp. 1-360, published 1811; entire "Encyclopédie" never completed, 196 vols. by various authors published 1782-1832 in several sections; sect. "Histoire naturelle" in 10 vols., 1782-1828; Arthropoda contained in vols. 4-10, published 1789-1828; vols. 4-8, subtitled "Insectes", largely by Olivier (vols. 9-10 by Latreille and others); vols. of pls. entitled "Tableau encyclopédique et méthodique des trois règnes de nature", pls. 268-397 & explanation by Latreille 1818a, q. v.] — Nyctéribie, *Nycteribia* (*vespertilionis, biarticulata*), des., pp. 398-400.

Olivier, Ernest

1905. Faune d l'Allier. Insectes. Ordre des Diptères. Sousordre des Pupipares. *Rev. Sci. Bourbonnais* **18**: 77-81. — *Nycteribia hermanni, vespertilionis*, p. 79.

O'Mahony, Eugene

1939. *Nycteribia biarticulata* (Herm.) in Somerset. *Ent. Mon. Mag.* **75**: 280. — *N. (Celeripes) biarticulata* ex *Rhinolophus*.

Orr, Robert T.

1954. Natural history of the pallid bat *Antrozous pallidus* (Le Conte). *Proc. Calif. Acad. Sci.* (4), **28**: 165-246, 28 figs. — *Basilisa antrozoi*, usually 1-3 flies per bat, maximum 8 flies, p. 235.

Osten Sacken, Charles R.

1878. Catalogue of the described Diptera of North America. (ed. 2). *Smiths. Misc. Coll.* **14** (2): i-xlvi, 1-276. [Ed. 1 (1858). *Smiths. Misc. Coll.* **3**(1): vii-xx, 1-92] — *Strebla vespertilionis*, *Megistopoda pilatei*, *Nycteribia* sp., p. 214.

1881a. On the larva of *Nycteribia*. *Trans. Ent. Soc. Lond.* 1881: 359-361, 1 pl. — "Oviposition" & larva of an unnamed Ceylonese *Nycteribia* ex *Pteropus leschenaultii*, as observed by A. Humbert.

1881b. Enumeration of Diptera of the Malay Archipelago collected by Prof. Odoardo Beccari, Mr. L. M. D'Albertis and others. *Ann. Mus. Stor. Nat. Genova* **16**: 393-492, figs. (unnumbered). — *Nycteribia albertisi, jenynsi* (p. 492), cited from Rondani 1878.

Oudemans, Anthonie C.

1926. Kritisch historisch overzicht der acarologie. I. gedeelte, 850 v. C. tot 1758. *Tijds. Ent.* **69** (suppl.): i-viii, 1-500, 68 figs. — *Pediculus vespertilionis* Linn. 1758, as interpreted from description (Linne's citation of Frisch's 1728 said to be erroneous), = *Nycteribia vespertilionis* Klnt., pp. 36-39.

1929. Kritisch historisch overzicht der acarologie. II. gedeelte, 1759-1804. *Tijds. Ent.* **72** (suppl.): i-xvii, 1-1097, 267 figs. — *Acarus vespertilionis* Scop. = *Acarus passerinus* Linn.; *Acarus vespertilionis* Linn. 1758 = *Nycteribia vespertilionis*, pp. 112-117.

1939. Over Pupipara, parasieten van vleermuizen. *Tijds. Ent.* **82** (Verslag): lii-liiii. — *Nycteribia*, viviparity.

Packard, Alpheus S.

1886. The cave fauna of North America with remarks on the anatomy of the brain and origin of the blind species. *Mem. Nat. Acad. Sci.*, Washington D. C. **4** (1): 1-156, 27 pls. — *Euctenodes mirabilis*, allied to *Strebla*, p. 100; no American counterparts of the 5 Carniola *Nycteribia* spp.

Palmen, Johan A.

1874. [*Nycteribia latreillei* Leach]. *Notiser ur Sällsk. Förh. Fn. Fl. Fenn.* **13**: 466.

Paramonov, S. Jacques

1951. Notes on the Australian Diptera. VII. Note on the Australian Streblidae. *Ann. Mag. Nat. Hist.* (12), **4**: 752-760. — Streb., systematic position, characteristics, key to subfam. (after Jobling); *Nycteribosca*, key to 19 spp. (compiled from descriptions); *N. amboinensis*, *minuta*, rec.

Parmalee, Paul W.

1955. A nycteribiid fly new to Illinois. *J. Parasit.* **41**: 322. — *Basilisa boardmani* ex *Myotis austroriparius*.

Patton, Walter S.

1924. The Siju Cave, Garo Hills, Assam. Nycteribiidae. *Rec. Indian Mus.* **26**: 112. — *Nycteribia euxesta*, *Eucampsipoda hyrtli*, rec.

Pavan, Mario

1937. Sesto contributo alla conoscenza della fauna speleologica Bresciana. *Mem. Soc. Ent. Ital.* **16**: 145-166, 4 figs. — *Listropodia schmidli*, *pedicularia*, *Nycteribia biarticulata*, *Penicillidia conspicua*, p. 147.

1941. Appunti sui Nycteribiidae. *Riv. Parassit.* **5**: 101-108. — Nyct., Italian, general remarks.

Pearce, E. K.

1921. Typical flies, a photographic atlas of Diptera. Series II. xiv+38 pp., 125 figs. London etc. (Cambridge Univ. Press). — *Nycteribia (Listropodia) pedicularia*, (+ var. *blasii*), *N. (Stylidia) biarticulata*, pp. 33-34, figs. 119-122.

Pearse, Arthur S.

1938. Insects from Yucatan caves. In A. S. Pearce et al.: Fauna of the caves of Yucatan. *Carnegie Inst. (Washington) Publ.* **491**: 237-249. [Entire Publ. 491, i.e. this "Fauna ...", 304 pp., 4 pls.] — 2 *Euctenodes*, 1 *Nycterophilia*, 1 *Pterellipsis*, 3 *Trichobius* spp., p. 249.

Pendlebury, H. M.

1929. Addendum. In F. W. Edwards: Fauna of Batu Caves, Selangor. XV. Diptera. *J. Fed. Malay States Mus.* **14**: 377. [Edwards' entire paper, pp. 376-377]. — *Eucampsipoda hyrtli*, *Nycteribosca gigantea*, *N. amboinensis* R. Desvoidy (!), rec.

Percheron, Achille R.

1838. Nyctéribie, *Nycteribia* (Ins.). In F. E. Guérin-Méneville: Dictionnaire pittoresque d'histoire naturelle et ... **6**: 160-162, 182. [Entire vol., 640 pp. Paris.]. — General account of g.; *N. vespertilionis*, *sykesii*, des.

1846. Nyctéribie. In: Nouveau dictionnaire classique d'histoire naturelle ou repertoire universel (ed. 2): 449-456. — General account of g.; *N. vespertilionis*, *sykesii*, des.

Perty, J. A. Maximilian

1833. Delectus animalium articulorum quae in itinere per Brasiliam annis

MDCCCXVII-MDCCCXX jussu et auspiciis Maximiliani Josephi I. Bavariae regis augustissimi peracto collegerunt Dr. J. B. de Sphix et Dr. C. F. Ph. de Martius. Fasc. 3: (Insecta brasiliensia): 125-224, pls. 25-40. [Entire "Delectus", in 3 fascicles, iii+44+224 pp., 40 col. pls. Monachii (The Author) 1830-1834]. — *Lipoptena phyllostomatis* n. sp., p. 190. [Authorship of this species was wrongly accredited to Nitzsch by Macquart (1835) and Westwood (1840) who gave the original reference as Nitzsch: "Voyage du Prince Maximilien de Bavière". The fasc. 3 is generally accepted to have been published in 1833 but the date given on the title page of the work is 1834].

Pessôa, Samuel B. & A. L. Ayrosa Galvão

1936a. Novo genero e nova especie de Streblidae parasita do morcego do Brasil. *Revista Ent.*, R. d. Janeiro **6**: 242-248, 4 figs. — *Lemosia* (n. g.) *setosa* n. sp.

1936b. Descrição de uma nova especie do genero "Trichobius". *Rev. Biol. e Hyg.*, S. Paulo **7**: 61. — *T. perspicillatus* n. sp., short des., Brazil.

1937. Descrição de uma nova especie do genero *Trichobius*. *Folia Clin. Biol.*, S. Paulo **9**: 1-4. — *T. perspicillatus* as n. sp., redes.

Pessôa, S. B. & L. R. Guimarães

1937. Notas sobre Streblidae com a descrição de um novo genero e duas novas especies. *Ann. Fac. Med. S. Paulo* **12**: 255-267, 17 figs. — *Paraeuctenodes* (n. g.) *longipes*, *Aspidoptera clovisi* n. spp.; antennae of several g. compared; *Speiseria* distinct from *Paratrichobius*.

1941. Nota sobre Streblideos de morcegos de Mato-Grosso, Brasil. *Arq. Inst. Biol.*, S. Paulo **11**: 421-426, 6 figs. [Date of publication given on cover of the "artigo" containing this paper, i. e., artigo 45, as 1940; but on back-cover, as 1941]. — 1 *Aspidoptera*, 1 *Euctenodes*, 1 *Nycterophilia*, 1 *Strebla*, 2 *Trichobius* spp., rec.; *Nycterophilia*, subfamilial status discussed.

Petagna, Vincenz

*1792. Institutiones entomologicae: xii+718+10 pp., 10 pls. Napoli. — *Acarus vespertilionis* [= *Nycteribia*, teste Oudemans 1929], p. 707.

Peterson, B. V. (see also Theodor & Peterson)

1960. New distribution and host records for bat flies, and a key to the North American species of *Basilia* Ribeiro. *Proc. Ent. Soc. Ontario* **90** (for 1959): 30-37; 16 figs. — 6 *Basilia* spp., key (♀ ♂), rec. for Canada, U. S. A., Guatemala & Guiana.

1963. Additional records of some American bat flies. *Proc. Ent. Soc. Ontario* **93** (for 1962): 93-94. — 5 *Basilia* spp. fr. U. S. A. & Canada, rec.

Peterson, B. V. & T. C. Maa

1970a. One new and one previously unrecorded species of *Basilia* from Uruguay. *Canad. Ent.* **102**: 1480-1487, 18 figs. — *B. andersoni* n. sp.; *B. plaumanni*, rec.

1970b. A new species of *Basilia* from Colombia. *Canad. Ent.* **102**: 1519-1523, 8 figs. — *B. astochia* n. sp.

Peyritsch, J.

1871. Ueber einige Pilze aus der Familie der Laboulbenien. *S. B. Akad. Wiss. Wien, Math. -Naturw. Cl.* **64** (1): 441-458, 2 col. pls. — *Laboulbenia nycteribiae* (Klnt.) Peyr. (n. comb., = *Arthrorhynchus westrumbii* Klnt., = *A. diesingii* Klnt.), ex *Nycteribia montaguei* (Austria), *N. dufouri* (Banat), redes.

Phillips, W. W. A.

1924. Ectoparasites of Ceylon bats. *Spolia Zeylan.* **13**: 65-70. — Scarcity of Nyct. on *Rhinolophus* attributed to well spaced roosting sites of latter; 1 *Ascidipterion*, 1 *Nycteribosca* & 1 Streb., all unnamed, plus 1 *Raymondia*, 3 *Cyclopodia*, 1 *Tripselia*, 2 *Penicillidia*, 3 *Nycteribia* spp. ex 10 bat spp., lists.

Pieper, Harald

1965. Ueber einige Fledermaus-Parasiten aus Griechenland. *Ent. Z., Frankf. a. M.* **75**: 26-30, 1 fig. — *Nycteribosca kollari*, *Nycteribia biarticulata*, *Penicillidia dufourii* rec., p. 27.

Plateau, Felix

1873. Un parasite des Chéiroptères de Belgique (*Nycteribia frauenfeldii* Kol.). *Bull. Acad. Belg. (2)*, **36**: 332-334, 1 pl. — Redes.

Pliginsky, V. G.

1927. Contributions to the cave fauna of the Crimea. III. (In Russian, w. English summary). *Rev. Russ. Ent.* **21**: 171-180. — *Nycteribia vexata* listed, p. 179.

Plomley, N. J. B. (see Thompson & Plomley)

Povolny, Dalibor (see Grulich & Povolny; Hurka & Povolny)

Rainbow, William J.

1904. A new "bat tick". *Rec. Austral. Mus.* **5**: 78-79, 1 pl. — *Nycteribia pteropus* n. sp.

Ratcliffe, F. N.

1931. The flying fox (*Pteropus*) in Australia. *Bull. Counc. Sci. Ind. Res. Austral., Melbourne* **53**: 1-81, 2 pls. — 2 *Cyclopodia* spp. (1 unnamed) found on 3 *Pteropus* bats (esp. *Pt. scapulatus*, but not on *Pt. poliocephalus*), & found to be parasitized frequently by an unidentified small mite.

Reddell, James R. (see also Barr & Reddell)

*1961. (ed.) The caves of Uvalde County, Part I. *Texas Speleol. Surv.* **1** (3): 1-34 (dittoed). — *Trichobius major*, *sphaeronotus*, rec.

*1964. (ed.) The caves of Comal County. *Texas Speleol. Surv.* **2** (2): 1-60 (dittoed). — *Trichobius major*, rec.

1966. A checklist of the cave fauna of Texas. II. Insecta. *Texas J. Sci.* **18**: 25-56. — *Basilisa antrozoi*, Nyct. indet., *Trichobius major*, *sphaeronotus*, pp. 39-40.

Reed, Edwyn C.

1904. Los Dipteros Pupiparos de Chile. *Rev. Chilena Hist. Nat.* **8**: 149-153. — Nyct., included in key, p. 150, no spp. mentioned.

Reeder, William G. & K. S. Norris

1954. Distribution, type locality and habits of the fish-eating bat *Pizonyx vivesi*. *J. Mammal.* **35**: 81-87, 2 figs. — *Basilis pizonychus*, numerous on specimens from Puerto San Bartolome.

Reichenbach, Anton B. (*see* Thon & Reichenbach)

Reichenow, Eduard

1940. Ostafrikanische Beobachtungen an Trypanosomiden. *Arch. f. Protistenk.* **94**: 267-287, 4 figs. — *Crithidia penicillidia* n. sp. ex *Penicillidia pachymela* (Somalia), p. 287.

Ribeiro, A. de Miranda (*see* Miranda Ribeiro, A. de)

Ricci, Marcello

1953. Contributo alla conoscenza degli ectoparassiti dei Chiroterri italiani. I. Insecta. *Riv. Parassit.* **14**: 219-226. [Also in 1945, *Rend. Istit. Super. Sanit., Roma* **17**: 899-907] — 1 *Nycteribosca*, 5 *Nycteribia*, 2 *Penicillidia* spp. ex 176 bats (of 6 spp.).

Riedel, M. P.

1895. Diptera Pupipara. *Societas Ent.*, Stuttgart **10**: 35-36. — General account.

Riel, J. van (*see* van Riel, J. & Hiernaux-Ihoest)

Risso, J. A.

*1826. Insectes. In: Histoire naturelle des principales productions de l'Europe méridionale et principalement de celles des environs de Nice et des Alps maritimes **5**: 187-257. [Entire work, 5 vols., w. 46 pls. Paris]. — *Nyctribia* (!) *vespertilionis* [det. Leach], p. 257.

Rode, Paul (*see* Didier & Rode)

Röder, Victor von

1896. Ueber das Wohnthier der Nycteribidae: *Strebila* Wied. und *Megistopoda* Macq. *Ent. Nachr.* **22**: 321. — *S. vesperilionis*, *M. pilatei*, both ex *Vampyros lineatus*, Brazil.

Rodhain, Jérôme & J. Bequaert

1915. Observations sur la biologie de *Cyclopodia greeffi* Karsch, Nyctéribiide parasite d'une chauve-souris congolaise. *Bull. Soc. Zool. Fr.* **40**: 248-262, 4 figs. — Population dynamics, duration of pupal stage, etc.; larva, puparium, ♂ ♀ genital organs.

Roer, H. (*see* Egsbaek & Roer)

Rohdendorf, B. B.

1961. Neue Angaben über das System der Dipteren. *XI. Int. Kongr. Ent.* (Wien

1960) **1**: 153-158. — Streb. placed in suborder Eudiptera, infraorder Streblomorpha; Nyct., in infraorder Nycteribiomorpha.

Rondani, Camillo

1878. Muscaria exotica Musei civici Januensis observata et distincta. Fragmentum IV. Hippoboscita exotica non vel minus cognita. *Ann. Mus. Stor. Nat. Genova* **12**: 150-169, 2 figs. — *Cyclopodia albertisii* (Goram), *Nycteribia ferrarii* (Java), *bellardii* (S. Amer.), *Brachytarsina amboinensis* (Amboina), *Strebla mexicana* (Mexico) n. spp.; *Kolenatia* n. g. for *Strebla wiedemanni* Klnt.; *Nycteribia jenynsii* (Amboina), rec., des.

1879. Hippoboscita italica in familias et genera distributa. *Bull. Soc. Ent. Ital.* **11**: 3-28. — Order Muscaria divided into Hippoboscita & 2 other caeti; Hippoboscita divided into Nycteribidae (!), Streblidae & 2 other fam.; Streb. containing 4 g.; Nyct., 4 g. (incl. *Megistopoda*), key; Italian Nyct., 2 *Listropodia*, 4 *Nycteribia* spp., key, des.; *N. ercolanii* n. sp.

Root, Francis M.

1922. Notes on mosquitoes and other blood-sucking flies from Porto Rico. *Amer. J. Hyg.* **2**: 394-405, 5 figs. — *Aspidoptera busckii*, *Pterellipsis araneae* (!), *Trichobius dugesii*, p. 395, cited fr. Coquillett 1900.

Ross, Anthony (see also Bradshaw & Ross)

1959. A redescription of *Trichobius adamsi* Augustson. *Wasmann J. Biol.* **17**: 69-74, 1 fig. — Redes., Arizona & Mexico rec., breeding season, sex ratio, parasitism frequency.

1960a. Distribution records for *Trichobius sphaeronotus* Jobling with a first report for Arizona. *Pan-Pacif. Ent.* **36**: 81-82.

1960b. Notes on *Trichobius corynorhini* on hibernating bats. *Wasmann J. Biol.* **18**: 271-272.

1961. Biological studies on bat ectoparasites of the genus *Trichobius* in North America, north of Mexico. *Wasmann J. Biol.* **19**: 229-246. — Distribution, host relationship, life history notes on 5 *Trichobius* spp.; list of normal hosts of *Trichobius*, *Nycterophilia* & 1 unnamed *Paratrichobius* sp.

Rossi, Friedrich W.

1848. Systematisches Verzeichniss der zweiflügelichen Insekten (Diptera) des Erzherzogthums Oesterreich x + 86 pp. Wien (Braumüller). — *Nycteribia vespertilionis* ex *Vesperugo noctula*, nr. Wien, p. 86.

Roth, Vincent D.

1951. New records for Streblidae and Nycteribiidae *Pan-Pacif. Ent.* **27**: 96. — *Trichobius corynorhini*, *Basilisa forcipata*, Oregon.

Rothschild, Miriam

1967. Introduction. In O. Theodor: An illustrated catalogue of the Rothschild Collection of Nycteribiidae ... : 1-5. — Size & history of the collection.

Rothschild, N. Charles

1916. Convergent development among certain ectoparasites. *Proc. Ent. Soc. Lond.* 1916: cxli-clvi, 30 figs. — Nyct. -Streb. taken as part of examples; conclusion: "The medium in which a species exists exercises a most powerful influence on its evolution. The similarities, often slight in themselves, which sympatric insects exhibit, are due in the first instance to similarities in the surrounding primary conditions of life."

Rozeboom, Lloyd E.

1934. A new nycteribiid from Florida. *J. Parasit.* **20**: 315-316, 1 fig. — *Basilisa boardmani* n. sp

Rudow, Ferdinand

1871. Einige Pupiparen auf Chiropteren schmarotzend. *Z. Gesamm. Naturw.* (Giebel) **37**: 121-124. — *Nycteribia elongata*, *varipes*, *Strebla longipes*, *Lipoptena dubia* n. spp., no localities given.

1872. On some Pupipara parasitic upon Chiroptera. *Ann. Mag. Nat. Hist.* (4), **9**: 407-408. [English version of above paper].

Ruffo, Sandro

1938. Studio sulla fauna cavernicola della regione Veronese. *Boll. Istit. Ent. Bologna* **10**: 70-116. — *Penicillidia conspicua*, *Nycteribia biarticulata*, p. 101; *N. schmidli*, p. 102.

1957. Le attuali conoscenze sulla fauna cavernicola regione Pugliese. (w. English summary). *Mem. Biogeogr. Adriatica* **3**: 1-143, 12 figs. — *Nycteribia pedicularia*, *schmidli*, *biarticulata*, rec., p. 97.

Ryberg, Olof

1929. Svenska Nycteribilder, fladdermusflugor. (w. German summary). *Ent. Tidskr.* **50**: 278-283. — *Pediculus vespertilionis* Linn., status discussed; *Basilisa nattereri*, *Penicillidia monoceros*, *Nycteribia* sp. nr. *pedicularia*, Sweden, Denmark, Finland, Ural rec.

1939. Beiträge zur Kenntnis der Fortpflanzungsbiologie und Metamorphose der Fledermausfliegen Nycteribiidae. *Verh. VII. Int. Kongr. Ent.* (Berlin) **2**: 1285-1299, 2 pls. [Abstract of next paper]

1947. Studies on bats and bat parasites, especially with regards to Sweden and other neighbouring countries of the North. xvi+330 pp., 55 pls. Stockholm. [Review, by G. L. van Eynhoven 1952, q. v.] — Bat parasites, pp. 161-172, largely dealing w. population dynamics & life-history of Swedish *Nycteribia*, *Penicillidia* & *Basilisa*; very extensive bibliography, pp. 277-318.

Ryckman, Raymond E.

1956. Parasites and some nonparasitic arthropods from bat caves in Texas and Mexico. *Amer. Midl. Naturalist* **56**: 186-190. — *Trichobius major*, *sphaeronotus*, Texas; *T. sphaeronotus*, *parasiticus*, *Euctenodes mirabilis*, *Nycterophilia coxata*, Mexico.

Ryckman, R. E. & A. E. Ryckman

1963. Loma Linda University's 1962 Expedition to Baja California: Medical ento-

mology and parasitology. *Med. Arts & Sci., J. Loma Linda Univ. Sch. Med.* **17** (3): 65-76, 21 figs. — *Basilis pizonychus*, p. 72.

Saccà, Giuseppe & S. Bettini

1949. Nycteribiidae della Sardegna. *Riv. Parassit.* **10** (1, separata): 1. — 2 *Penicillidia*, 3 *Nycteribia* spp., rec.

Sadoğlu, Perihan

1956. Ocular reduction of the bat fly *Nycteribosca africana* and its comparison with those in some nycteribiids. *Rev. Fac. Sci. Univ. Istanbul* (B), **20** (1-2): 103-138, 17 figs. — Eyes in *Nycteribosca* similar to compound eyes in other insects, having crystalline body & 2 types of cells; eyes in *Penicillidia dufouri*, *P. conspicua*, *Eucampsipoda hyrtl*, more similar to ocelli in other insects, having only 1 type of cells, w. optical lobe connecting to brain on dorsum & in front.

Sala Castellernau, Ignacio

1956. Bionomia de los Dípteros apteros y ectoparásitos de Quirópteros. *Broteria, Cienc. Nat.* **25**: 183-188, 1 fig. — 2 *Penicillidia*, 4 *Nycteribia* spp. listed for Portugal, p. 185; *Aspidoptera*, *Nycteribosca* & *Cyclopodia*, 1 sp. each, briefly mentioned. This paper is essentially a compilation.

Samouelle, George

1819a. The entomologists' useful compendium, or an introduction to the knowledge of British insects 496 pp., 12 col. pls. London (T. Boys) [ed. 2, published 1824]. — *Nycteribia* placed in order Omaloptera, fam. Nycteribidae (!), p. 303; *N. hermanni* ex *Rhinolophus*, p. 387.

1819b. A nomenclature of British entomology 44 pp. London (Longman). — *Nycteribia hermanni* listed, p. 31.

Sanborn, Colin C. & H. Hoogstraal

1953. Some mammals of Yemen and their ectoparasites. *Fieldiana, Zool.* **34**: 229-252. — *Cyclopodia greeffi arabica* [nom.nud.] ex *Eidolon*, p. 234; *Nycteribia integra* [nom.nud.] ex *Hipposideros*, *Rhinolophus*, p. 235; *Penicillidia fulvidia* ex *Rhinolophus*, p. 236.

Sanfilippo, Nino

1950. Le grotte della Provincia de Genova e la loro fauna. *Club Alpino Ital., Mem. Comitato Sci. Centrale*, Genova **2**: 1-92, 2 figs., 2 maps. — *Nycteribia biarticulata* ex *Rhinolophus*, p. 64.

Sasakawa, Mitsuhiro

1960. *Nycteribia* of Japan. (In Japanese, w. English summary). *Akitu*, Kyoto **9**: 41-42, 1 fig. — Key to 3 spp.; *N. hindlei*, rec., fig.

1965. Diptera Pupipara. (In Japanese). In S. Asahina et al. (ed.): *Iconographia insectorum japonicorum colore naturali* **3**: 238, pl. 119. [Entire vol., 76+358 pp., 156 col. pls. Tokyo]. — *Nycteribia allotopa*, *Penicillidia jenyunii*, *Nycteribosca kollari*, des.

Schiner, J. (= Ignaz) Rudolf

1853a. Entomologische Mittheilungen über Krainer Höhlen. *S. B. Zool. Bot. Ver. Wien* **3**: 151-157. — *Nycteribia biarticulata*, p. 151.

1853b. Dipterologische Fragmente. II. *Verh. Zool. Bot. Ver. Wien* **3**: 150-154. — *Nycteribia schmidlii* n. sp.; checklist of European *Nycteribia* spp.; synonymy of *N. vespertilionis* auctt.

1854. Fauna der Adelsberger-, Lueger- und Magdalenen-Grotte. In A. Schmid: Die Grotten und Höhlen von Adelsberg, Lueg, Planina und Laas: 231-272. — *Nycteribia schmidlii*, pp. 270-271.

1864a. Catalogus systematicus dipterorum europae. 115 pp. Vindobonae. — Synonymic list of 12 *Nycteribia* spp. in 4 subg. (*Listropodia*, *Acrocholidia*, *Stylidia*, *Penicillidia*).

1864b. Fauna austriaca. Die Fliegen (Diptera) **2**: i-xxxii, 1-658. Wien (C. Gerold). [Entire work in 2 vols. (each in 7 Hefte); vol. 1 published in 1860-62, vol. 2 in 1862-64]. — Nyct. p. xxxii; *Nycteribia*, 10 spp. in 4 subg., redes. in key, pp. 650-656.

1864c. [Review of Kolenati's 1863 paper on Phthirio-Myiarien]. *Wien. Ent. Monatschr.* **8**: 267-268. — Strong criticism on the naturalness of Kolenati's classificatory system.

1868. Diptera. In B. v. Wüllerstorff-Urbair (in charge): Reise der österreichischen Fregatte Novara, *Zool.* **2** (1, B): i-vi, 1-388, 4 pls. — *Raymondia kollari, huberi*, rec., India; *Nycteribia jenynsii*, des., rec., Ceylon.

Schingarew, A. J.

*1906. Des Hémosporidies des chauves-souris. *Arch. Sci. Biol.*, St Petersburg **12**: 181-189, 25 figs., 1 pl. [Abstr.: 1906. "Ueber die Hämosporidien der Fledermäuse. *Zbl. Bakt.* (1. Abt.), **38**: 12-13]. — 6 Nyct. flies ex *Myotis* & *Miniopterus*, Russia, examined for *Plasmodium murinus* & *P. melanipherum*, results negative.

Schlein, Y.

1970. A comparative study of the thoracic skeleton and musculature of the Pupipara and the Glossinidae. *Parasitology* **60**: 327-373, 69 figs. — Thorax of Pupipara compared w. that of *Musca* & *Glossina* to identify thoracic sclerites of Nyct.; status of Streb. & Nyct. discussed, w. suggestions that they do not belong to higher Calypterata and are not closely related to Hippoboscidae.

Schmitz, Hermann

1909. Die Insectenfauna der Höhlen von Maastricht und Umgegend unter besonderer Berücksichtigung der Dipteren. *Tijds. Ent.* **52**: 62-95. — *Nycteribia blasii* ex *Myotis* spp., p. 87.

Schrank, Franz von P.

1803. Fauna boica. **3** (1): i-viii, 1-272, 1 pl. Nürnberg (Landshut). [Entire work in 3 vols., each in 2 pts., published 1798-1804]. — *Hippobosca vespertilionis* n. sp., p. 175.

Schreckenstein, Friedrich R. von

*1802. Verzeichniss der Halbkäfer, ... und Fliegen, welche um den Ursprung der Donau und des Neckars, dann um den untern Theil des Bodensees vorkommen. 70 pp. Tübingen (Cotta). — *Acarus vespertilionis* [= *Nycteribia*, teste Oudemans 1929], p. 44.

Schulz, Hans

1939. Ueber Fortpflanzung und Verkommen von Fledermausfliegen. *Z. Parasitenk.* **10**: 297-328, 12 figs. — *Basilina nattereri*, *Nycteribia vexata*, *N. pedicularia*, larvae, puparia; laboratory studies in mating, pregnancy, larviposition, intrapuparial development, emergence & host searching; field observations nr. Berlin in winter & summer; population dynamics.

Schuermans Stekhoven, Jacob H., Jr.

1928. Pupipara des Deutschen Entomologischen Museums. *Ent. Mitt.* **17**: 442-443. — 1 *Penicillidia*, 2 *Nycteribia*, 1 *Aspidoptera*, 2 *Paradisichiria* (!), 1 *Pterellipsis*, 1 unnamed *Nycteribosca* sp., Taiwan, Paraguay, Cuba, rec.

1929. The present knowledge about the Pupipara and Tabanidae of China. *Lingnan Sci. J.* **7**: 497-510. — *Penicillidia jenyinsi*, *Nycteribia allotopa*, *pedicularia*, *Trichobius molossus*, general remarks.

1931. Eine seltene ungenügend beschriebene *Basilina*-Art aus Venezuela. *Z. Parasitenk.* **3**: 205-219, 6 figs. — *B. bellardii* (= *silvae*) from Venezuela, redes., designated as type of g.; *B. ferrisi* n. name.

1932. Pupipara - Nycteribiidae. *Résultats Sci. Voy. Ind. Orient. Néerl. Leopold* **4**(7) (= *Mem. Mus. Hist. Nat. Belg.* hors serie): 7. — *Cyclopodia horsfieldi*, Java.

1939. Die Lausfliegen der Fledermäuse. *Verh. VII. Int. Kongr. Ent.* (Berlin) **1**: 411-412, 1 pl. — General account.

1941a. Sur quelques Tabanides et Pupipares intéressants des Indes orientales néerlandaises. *Bull. Mus. Hist. Nat. Belg.* **17** (66): 1-9, 12 figs. — *Basilina pudibunda* n. sp., Borneo; *B. brevipalpis* n. name.

1941b. Die Ausbeute an Pupiparen einer Reise von Dr. R. Wagenaar Hummelinck nach den Inseln Unter den Wind (Westindien). *Zool. Anz.* **136**: 79-80. — 1 *Nyctrophilia*, 2 *Trichobius* spp., rec.

1942. Neue und bekannte Nycteribien aus Niederländisch-Ostindien. *Z. Parasitenk.* **12**: 507-537, 49 figs. — *Cyclopodia tenuis*, *Basilina longiseta*, redes.; *B. rotundisquamata*, *Penicillidia peselefantis*, *magnoculus*, *lowwerensi* n. spp.; 2 *Cyclopodia* spp., rec.; material fr. Sumatra, Java, Borneo.

1951a. Algunas especies del género "*Basilina*" Ribeiro y creacion del nuevo género "*Guimaræsia*". (w. French summary). *Acta Zool. Lilloana* **12**: 101-115. — *Guimaraesia* n. g. for 9 spp. formerly included in *Basilina*; *G. guimaraesi* n. name; *Basilina neamericana* n. sp., Argentina; *B. silvae*, a good sp.

1951b. Nuevo hechos relacionados con "*Guimaræsia romana*" (Del Ponte). (w. French summary). *Acta Zool. Lilloana* **12**: 551-561, 3 figs. — Redes., systematic affinities.

1952a. Un representante raro del grupo de los Dipteros Pupiparos. Una especie del género *Ascodipteron*, parásito de *Miniopterus schreibersi* Kuhl. (w. French summary). *Acta Zool. Lilloana* **10** (for 1951): 479-487, 4 figs. — *A. speiserianum* ♀, morphology; systematic status of g.

1952b. Pupiparen (Dipt.) In E. Titschak (ed.): Beiträge zur Fauna Perus **3** (wiss. Bearbeit.): 91-101, 6 figs. (Originally printed in 1942 as **2**: 95-106, 6 figs. but all but 6 copies destroyed in the World War II). — *Basilina rugosa* n. sp.; 1 *Trichobius*, 1 *Euctenodes* sp., rec.

1955. Tweevleugelige insecten - Diptera. III. Luisvliegen (Nycteribiidae en Hippoboscidae). *Kon. Ned. Natuurhist. Ver. Wetensch. Meded.* **16**: 1-16, 13 figs. — 2 *Nycteribia*, 1 *Penicillidia*, 1 *Basilina* sp., key, rec.; illustrations adapted fr. Theodor & Moscona 1954.

1957. Beobachtungen an Lausfliegen. *Z. Parasitenk.* **17**: 421-423. — General remarks.

1958. Eine neue *Tripselia*-Art aus Niederländisch-Neuguinea, *Tripselia horrida* n. sp. *Z. Parasitenk.* **18**: 386-392, 9 figs. — *T. horrida* n. sp.; *T. peselefantis* (= *brevipes*).

1959. Neue und bekannte Nycteribien aus Niederländisch Neu-Guinea und Melanesien [New Caledonia]. *Dtsch. Ent. Z. (n. F.)*, **6**: 260-272, 31 figs. — *Cyclopodia novaguineae* (!) n. sp.; *C. oxycephala* ♂, *Tripselia hirsuta* ♂, des.

Schuermans Stekhoven, J. H., Jr. & D. J. F. Hardenberg

1938. Fledermausfliegen aus niederländische Ostindien. *Capita Zool.* **8**(4): 1-37, 58 figs. — *Penicillidia longiseta*, *Eucampsipoda latisternum*, *Cyclopodia tenuis* n. spp.; *C. horsfieldi*, *C. ferrarii*, *Paracyclopodia roylei*, *Nycteribosca amboinensis* des.; India, Burma, Sumatra, Simalur, Java, Bali rec.

Schuermans Stekhoven, J. H., Jr. & E. van den Broek

1969. Luisfliegen. Nycteribiidae en Hippoboscidae. *Kon. Ned. Natuurhist. Ver. Wetensch. Meded.* **16** (ed. 2): 1-19, 13 figs. — Revised ed. of Schuermans Stekhoven 1955, w. little modification for Nyct.

Scopoli, Johann A.

1763. Entomologia carniolica xxxvii+421 pp., 43 pls. Vindobonae (Trattner). [Annotations, by J. R. Schiner. 1865. *Abh. Zool.-Bot. Ver. Wien* **6**: 405-424]. — *Acarus vespertilionis*, p. 387.

Scott, Hugh

1908a. On a large series of Nycteribiidae, parasitic Diptera from Ceylon. *Trans. Ent. Soc. Lond.* 1907: 421-428. — *Cyclopodia sykesi*, redes., variation in 57 ♂ 43 ♀ (ex 11 *Pteropus medius*), association w. mite *Leiognathus* sp. nr. *arcuatus* Berlese.

1908b. On certain Nycteribiidae with descriptions of two new species from Formosa. *Trans. Ent. Soc. Lond.* 1908: 359-370, 1 pl. — *Penicillidia jenynsi*, *Cyclopodia roylei* (type ♂), redes.; *P. jenynsi*, larva; *Nycteribia insolita*, *sauteri* n. spp.

1914a. On some Oriental Nycteribiidae. *Ann. Mag. Nat. Hist.* (8), **14**: 209-235, 3 pls. — *Penicillidia fletcheri* (+ n. var. *pumila*) n. sp.; *P. jenynsi*, 3 *Cyclopodia*, 1 *Eucampsipoda*, 3 *Nycteribia* spp., des.; *C. roylei* (= *chlamydophora*), syn.; *N. parilis*

(type), redes.; *N. fryeri* nom. nud.; misc. rec. for Ceylon, India, Burma, Peninsular Thailand, Sumatra, Batchian, Amboina, Australia.

1914b. Mallophaga, Aphaniptera and Diptera Pupipara. [Part of S. Gardiner: Rept. Percy Sladen Trust Expedition to Indian Ocean 1905]. *Trans. Linn. Soc. Lond.* (2), **17** (Zool.): 161-167, 4 figs. — Nyct., general remarks; *Nycteribia fryeri* n. sp., Assumption Is., Labuan I.

1914c. H. Sauter's Formosa-Ausbeute. Nycteribiidae. *Arch. Naturg.* **79** A (8): 92-103. — 2 *Penicillidia*, 3 *Nycteribia* spp., rec., des.; *N. allotopa* (= *insolita*), *N. parvula* (= *sauteri*); *N. blasii* fr. Britain compared w. *pedicularia*.

1917. Notes on Nycteribiidae with descriptions of two new genera. *Parasitology* **9**: 593-610, 1 pl. — Nyct., general biology, pp. 593-600; *Eremoctenia*, *Tripselia* n. g.; *Paracyclopodia* n. subg.; *E. progressa* (Amboina), des. of adults; 4 Nyct. spp., Sumatra, India, Philippines, rec.

1922. Introductory remarks. In F. W. Urich, H. Scott & J. Waterston: Note on the dipterous bat-parasite *Cyclopodia greeffi* Karsch, and on a new species of hymenopterous (Chalcid) parasite bred from it. *Proc. Zool. Soc. Lond.* 1922: 471-473. — *C. greeffi*, historical account, rec. for Cameroons, Dahomey.

1923. [General remarks on *Ascodipteron*]. In R. Senior-White: Discovery of *Ascodipteron* in Ceylon. *Nature*, London **112**: 205.

1924. Introductory note. In Q. C. Kessel: Notes on the Streblinae, a subfamily of the Streblidae. *Parasitology* **16**: 405-406. — Streb., historical account.

1925. Zoo-geographical and systematic notes on the Nycteribiidae of India, Ceylon and Burma. *Rec. Indian Mus.* **27**: 351-384, 12 figs. — 5 *Penicillidia*, 8 *Nycteribia*, 3 *Cyclopodia*, 1 *Tripselia*, 1 *Eucampsipoda* sp., rec., des., summary of host & distribution rec.; *P. peali*, *N. phillipsi*, *annandalei* n. spp.; *P. jenynsi* n. var. *indica*; *N. phthisica* (Amboina), type, redes.; misc. rec. for China, Egypt, S. Africa.

1932a. Some Nycteribiidae from the Australian Region. Part I. Species from the New Hebrides. *Stylops* **1**: 16-24, 6 figs. — *Penicillidia buxtoni*, *Nycteribia bakeri* n. spp.; 1 *Penicillidia* (Australia), 1 *Cyclopodia* sp., rec.

1932b. Some Nycteribiidae from the Australian Region. Part II. On certain species of *Cyclopodia*. *Stylops* **1**: 25-30, 2 figs. — 4 spp., des., rec. for Australia, New Guinea, Salawati I., Kei Is., Timorlaut; *pembertoni* n. sp., Fiji.

1934. The puparium of *Nycteribia* (*Listropodia*) *pedicularia* Latr., with general remarks on this stage in Nycteribiidae. *Ent. Mon. Mag.* **70**: 255-259, 2 figs.

1936a. Descriptions and records of Nycteribiidae, with a discussion of the genus *Basilia*. *J. Linn. Soc. Lond., Zool.* **39**: 479-505, 11 figs. — *Basilia*, list of 13 American spp.; *B. eileenae* (Ceylon), *carteri* (Paraguay) n. spp., *ferrisi* n. name; *B. nattereri* (Sumatra), *mexicana* (type), des.; *Nycteribia hindlei* n. sp., China; Nyct. fr. Ceylon, China, Costa Rica, misc. notes.

1936b. Some general remarks on the bat-parasites of the family Nycteribiidae. *Proc. Linn. Soc. Lond.* **36**: 119-120.

1937. New records of Nycteribiidae from bats of the Solomon Islands. In G. B.

Thompson: A list of the Diptera (Nycteribiidae and Streblidae) recorded from bats of the Pacific islands. *Ent. Mon. Mag.* **73**: 206. — 1 *Archinycteribia*, 2 *Cyclopodia* spp., rec.

1939. A new species of Nycteribiidae from the islands in the Gulf of California. *Allan Hancock Pacif. Exped.* **2**: 167-170, 1 pl. — *Basilina pizonychus* n. sp.

1940. Nycteribiidae from southern Brazil. *Proc. Ent. Soc. Lond.* (B), **9**: 57-61, 4 figs. — *Basilina*, 3 spp., des.; *plaumanni* n. sp.; *ferrisi* Scott (= *ferrisi* Sch. Stkh.)

Sealander, John A. & H. Young

1955. Preliminary observations on the cave bats of Arkansas. *Proc. Arkansas Acad. Sci.* **7**: 21-31, 2 figs. — *Trichobius corynorhini*, rec.

Seaman, G. A. (see Bond & Seaman)

Šebek, Zdeněk

1958a. Zur Kenntnis der Nycteribiidae des Mausohres (*Myotis myotis*) in Kreise Jihlava (Iglau). (In Czech, w. German summary). *Vlastivědny sborník Vysociny, Odd. věd. Prir.* **2**: 109-112. — *Penicillidia dufourii*, *Nycteribia latreillii*, *Acrocholidia vexata*, found in 1 colony of this *Myotis*.

*1958. [The discovery of a rare bat and its parasite in Jihlava Region] (In Czech). *Zřiva* **6**: 225-226. — *Basilina nana* ex *Myotis bechsteini*.

1962. Vorkommen der selten Art *Nycteribia kolenatii* bei der Talsperre von Vranov. (In Czech, w. German summary). *Zool. Listy* **11**: 192-194.

Séguy, Eugène

1926. Diptères exotiques peu connus. *Encycl. Ent.* (B), 2 Dipt. **3**: 192-196, 6 figs. — *Pterellipsis proxima* (Argentina) n. sp.; *Metelasmus pseudoterus* (!) (Martinique), redes.

1930. Contribution à l'étude des Diptères du Maroc. *Mem. Soc. Sci. Nat. Maroc* **24**: 1-207, 115 figs. — 1 *Nycteribosca*, 2 *Penicillidia*, 3 *Nycteribia* spp., rec.

1933. Mission Saharienne Augiéras-Draper 1927-1928. Insectes Diptères. *Bull. Mus. Hist. Nat. Paris* (2), **5**: 70-76, 122-127, 16 figs. — *Nycteribosca kollari*, p. 127.

1935. Les insectes parasites des Mammifères sauvages de la Forêt de Fontainebleau. *Trav. Naturalistes Vallée Loing* **7**: 81-135, 35 figs. — Nyct., key to 4 g.; 1 *Nycteribosca*, 2 *Penicillidia*, 1 *Nycteribia*, 1 *Celeripes*, 2 *Listropodia* spp., rec., hosts.

1936. Synopsis des Diptères Pupipares de la Région de Fontainebleau. *Trav. Naturalistes Vallée Loing* **8**: 90-146, 30 figs., 2 pls. — Pupipara, general account, pp. 90-101; *Nycteribia* (!) *kollari*, p. 122; Nyct., key to 4 g., p. 123; 2 *Penicillidia*, 2 *Listropoda*, 1 *Nycteribia*, 1 *Phthiridium* sp. key, des.; extensive bibliography, pp. 131-146.

1950. La biologie des Diptères. *Encycl. Ent.* (A), **26**: 1-609, 225 figs., 10 pls. — Nyct. -Streb., general account on distribution, habits, taxonomy, diapause, host specificity.

1951. Atlas des Diptères de France, Belgique - Suisse. II. Developpement et biologie, Brachycères II - Siphonaptères. 185 pp., 12 pls. Paris. — Nyct., pp. 107-109; 1 *Penicillidia*, 2 *Nycteribia* spp., fig.

Senior-White, Ronald

1923. Discovery of *Ascodipteron* in Ceylon. *Nature*, London **112**: 205. [Also, general remarks on the genus, on same p., by H. Scott]. — Cyst found on tail of *Hipposideros atratus*.

Sharp, David

1901. Insects. Part II. In S. F. Harmer & A. E. Shipley (ed.): Cambridge natural history **6**: i-xii, 1-626, 293 figs. — Nyct. -Streb., general account, pp. 521-522; *Nycteribia* sp., Aden, fig.

Shaw, T. R. (see Hooper, Hooper & Shaw)

Sherborn, Charles D.

1932. Index animalium sectio secunda 1801-1850. Pt. XXIX. Epilogue, additions to bibliography, additions and corrections, [and index to trivialia. cxlviii+1098 pp. London (Brit. Mus.) — *Lioptena* (!) *phyllostomatis*, p. 634; *Nycteribia*, endings of 8 specific names emended to *blainvillei*, *dufourii*, *hermanni*, *jenynsi*, *latreillei*, *roylei*, *sykesi*, *westwoodi*, p. 742.

Shelford, Robert W. C.

1916. A naturalist in Borneo. xxvii+331 pp., 32 pls. London (T.T. Unwin) (Ed. by E. B. Poulton). — "The external parasites of bats are those strange apterous flies, the Nycteribiidae and the Streblidae. The pupae [encysted ♀♀ of *Ascodipteron*] of some fly, not belonging to either of these families, have been found embedded in the wing membranes of a species of *Hipposideros*", p. 19.

Siebold, Carl T. E. von

*1837. Ueber die viviparen Musciden. *Froriep Notiz.* **3**: 336-340. — *Nycteribia latreillei*, E. Prussia rec. (cf. Speiser 1900a).

Silva Taboada, Gilberto

1965. Lista de los parásitos hallados en murciélagos Cubanos. *Poeyana*, La Habana (ser. A), **12**: 1-14. — Published records incorporated w. new ones; incl. 6 Streb. (in 3 g.) & 1 Nyct. sp. ex 5 bat spp.

Skillen, S. (see Carlisle & Skillen)

Skuratowicz, W.

1962. Contribution to the knowledge of Nycteribiidae of Poland. (In Polish, w. English summary). *Fragm. Fn.*, Warszawa **10**: 215-221, 2 figs. — *Basilisa nana*, *Penicillidia monoceros*, 4 *Nycteribia* spp., rec.; 264 bats examined (of 13 spp.), only 5 bat spp. found harboring Nyct.

Sluiter, J. W. (see van Heerdt et al.)

Smart, John

1939. Nycteribiidae. In F. W. Edwards, H. Oldroyd & J. Smart: British blood-suck-

ing flies: 124-127, figs. 49-51. [Entire work, viii+156 pp., 64 figs., 45 pls. London]. — *Nycteribia pedicularia*, *biarticulata*, key, hosts.

Smith, Hobart M.

1934. Notes on some bat-flies of southern Kansas and northern Oklahoma. *J. Kansas Ent. Soc.* **7**: 62-64. — *Basilisa antrozoi*, *Trichobius major*, *corynorhini*, rec.

Smith-Rowe, T.

*1888. Parasites of flying fox. *J. Microsc. Nat. Sci. (J. Postal Microsc. Soc.)* **7** (=n. s., **1**): 260, pl. 18, fig. 10. — Very brief notes on "the insect" (no name, no locality given) ex flying fox; rough outline of head of host.

Soós, Árpád

1955. Diptera II: Bábtojó legyek — Muscidae Pupiparae. (In Hungarian). *Magyarország Allatvilága* **15** (17): 1-20, 16 figs. — Nyct. pp. 11-20, largely adapted fr. Falcoz (1926); 4 *Penicillidia*, 6 *Nycteribia* spp., keys, rec.; *Nycteribia* divided into *Listropodia*, *Nycteribia* s. s., *Celeripes*.

Southgate, B. J. (see Woodroffee & Southgate)

Speiser, Paul G. E.

1899a. Weiteres aus entomologischen Lektüre. (Fehlerhafte Angabe über Lebensweise von Pupiparen). *Ins.-Börse* **16**: 50. — Batflies, general account.

1899b. Ueber reduktion der Flügel bei ectoparasitischen Insecten. *Ins.-Börse* **16**: 117-122. — Batflies & other insects, wing reduction for adaptation to parasitic life.

1900a. Ergänzungen zu Czwalina's "Neuem Verzeichnis der Fliegen Ost- und Westpreussens". *Illus. Z. Ent.*, Neudamm **5**: 276-279. [Separata: 276-278]. — *Penicillidia monoceros* n. sp.; *Nycteribia blasii*, rec., identity.

1900b. Ueber die Strebliden, Fledermausparasiten aus der Gruppe der pupiparen Dipteren. *Arch. Naturg.* **66** (1): 31-70, 2 pls. — Monographic rev. incl. historical & general accounts, keys, catalog; 2 subfam. (*Nycteriboscinae* n. subfam.), 9 g. (*Nycteribosca*, *Lepopteryx*, *Paradyschiria* n. g.), 18 spp. (1 doubtful); *N. gigantea*, *L. megastigma*, *P. fusca*, *Megistopoda desiderata* n. spp.; *Raymondia lobulata*, *pagodarum* n. names.

1900c. Zur Kenntniss der geographischen Verbreitung der Ascomyceten-Gattung *Helminthophana* Peyritsch. *Ber. Dtsch. Bot. Ges.* **18**: 498-500. [Abstr.: 1902. *Just's Bot. Jahresber.* (Abt. 1), **28**: 100-101]. — *H. nycteribiae*, the only sp. in the g., ex *Cyclopodia macrura* (New Britain), *Eucampsipoda hyrtli* (Egypt), *Nycteribia blasii* (E. Prussia), *vexata* (Austria), *Penicillidia conspicua* (Serbia), *dufourii* (Banat).

1900d. Uebersicht der Dipterengattung *Cyclopodia* Kol. *Ent. Nachr.* **26**: 289-293. — Key to 12 spp.; *C. inflatipes*, *macrura*, *minor*, *similis* n. spp.

1900e. Ueber die Art der Fortpflanzung bei den Strebliden, nebst synonymischen Bemerkungen. *Zool. Anz.* **23**: 153-154. — *Nycteribosca gigantea*, larva; *Pterellipsis aranea* (= *desiderata*), *Aspidoptera phyllostomatis* (= *busckii*); *megastigma* transferred to *Aspidoptera*.

1901. Ueber die Nycteribiiden, Fledermausparasiten aus der Gruppe der pupiparen

Dipteren. *Arch. Naturg.* **67** (1): 11-78, 1 pl. — Monographic rev. incl. historical account, morphology, larva, parasites, keys, catalog; 5 g., 45 spp. (3 doubtful); *Nycteribia* divided into 3 subg. *Acrocholidia*, *Stylidia*, *Listropodia*; *Archinycteribia* (n. g.) *actena*, *Penicillidia euxesta*, *pachymela*, *N. (A.) dispar*, *scissa*, *stichotricha*, *N. (L.) parvula*, *allotopa* n. spp.; *Pen. conspicua* n. name.

1902a. Studien über Diptera Pupipara. *Z. Hym. Dipt.* **2**: 145-180. — Types of 5 Bigot's & 3 Rudow's spp., redes.; *Paradyschiria dubia* (= *fusca*); *Nycteribia oceanica* Bigot distinct fr. *N. oceanica* Speis.

1902b. Besprechung einiger Gattungen und Arten der Diptera Pupipara I. *Termesz. Füzetek* **25**: 327-338. — *Cyclopodia minor*, Deslacs I., correction of o. d.; *Strebila vesperilionis*, *Trichobius parasiticus*, found mislabelled "Australia 1880".

1903. Report on the Diptera Pupipara. In N. Annandale & H. C. Robinson: Fasciculi Malayenses [Peninsular Thailand], *Zool.* **1**: 117-126. (w. Introductory note by N. Annandale). — *Nycteribosca amboinensis*, *Raymondia pagodarum*, *Cyclopodia horsfieldi*, rec.; *Nycteribia (Acrocholidia)* (!) *chlamydophora*, *Ascodipteron* (w. key to 3 spp.) *siamense* n. spp.; checklist of batflies of Bengal (1 Nyct.), Burma (2 Streb., 3 Nyct.)

1907a. Preliminary descriptions of three new Nycteribiidae from India. *Rec. Indian Mus.* **1**: 295-296. — *Basilisa bathybothyra*, *Cyclopodia amiculata* (both fr. India), *Nycteribia phthisica* (Amboina) n. spp.; *N. minuta* (= *ferrarii*).

1907b. Check-list of North American Diptera Pupipara. *Ent. News* **18**: 103-105. — 7 Streb. (in 5 g.), 2 Nyct. (in 2 g.) spp. listed, w. synonyms.

1907c. Diptera Pupipara. In Y. Sjöstedt: *Wiss. Ergebn. Schwed. Zool. Exped. Kili- mandjaro Meru* **2** (8-14): 1-10. [Originally published as No. 10, 1]. — 1 *Nycteribosca*, 1 *Nycteribia (Acrocholidia)*, 1 *Eucampsipoda* sp., rec.

1907d. Die Fledermäuse und ihre Schmarotzer. *Ber. Westpreuss. Bot.-Zool. Ver.*, Danzig **29**: 15-24. — General account of various bat parasites.

1908a. Diptera Pupipara. In L. Schultze: *Ergebn. Forschungsreise Sudafrikas* **1**: 175-178, 1 fig. [Reprinted fr. 1908. *Denkschr. Med.-Naturw. Ges. Jena* **13**: 175-178, 1 fig.] — *Raymondia alulata* n. sp.; checklist of S. African Streb. (1 sp.), Nyct. (4 spp. in 3 g.)

1908b. Die Diptera Pupipara der malagassisch-maskarenischen Region. In A. Voeltzkow: *Reise in Ostafrika in den Jahren 1903-1905*, **2**: 197-205, 9 figs. — *Penicillidia leptothrinax*, *Nycteribia stylidiopsis*, *Ascodipteron tabulatum* n. spp.; *Nycteribosca gigantea*, *Eucampsipoda hyrtli*, rec.; key to above spp.; key to 4 fam. (incl. Ascodipteridae) of Pupipara.

1908c. Die geographische Verbreitung der Diptera Pupipara und ihre Phylogenie. *Z. Wiss. Ins.-Biol.* **4**: 241-246, 301-305, 420-427, 437-447. — Streb. (10 g., 20 spp.), Nyct. (6 g., 56 spp.), Ascodipteridae (1 g., 4 spp.), list; zoogeographical analyses, phylogeny; *Camptopenicillidia*, *Cratopenicillidia*, *Stylopenicillidia* n. subg. for *Penicillidia*.

1924. Eine Uebersicht über die Dipterenfauna Deutsch-Ostafrikas. *Beitr. Tierk., Widmungsschr. f. Prof. M. Braun (Königsberg)*: 90-156, figs. (unnumbered). — *Nycteribosca kollari*, *Nycteribia blainvillei*, *Eucampsipoda hyrtli*, listed.

Spencer, George J.

1937. Ectoparasites of birds and mammals of British Columbia. II. A preliminary list of the Pupipara, louse flies. *Proc. Ent. Soc. Brit. Columbia* **34**: 39-42. — *Basilisa forcipata*, *Trichobius* sp., p. 41.

1940. Ectoparasites of birds and mammals of British Columbia. IV. The parasites of bats. *Proc. Ent. Soc. Brit. Columbia* **36**: 16-18. — *Basilisa forcipata*, *B.* sp. n. (unnamed, ex *Eumops*), p. 17.

Stabler, Robert M. & R. M. Fox (see also Fox & Stabler)

1952. A new nycteribiid from a Colorado bat. *J. Colorado-Wyoming Acad. Sci.*, Boulder **4**: 103. [Abstr. of oral contribution to Academy meeting]. — *Basilisa calverti* n. sp.

Stackelberg, Alexandr A.

1928. [Sur la présence du *Nycteribosca kollari* Frfld. au Turkestan]. (In Russian) *Rev. Russ. Ent.* **22**: 133. — *N. kollari*, *Nycteribia schmidli*, *Penicillidia conspicua*, Turkmenia (Ashkhabad) rec.

Starrett, Andrew & L. de la Torre

1964. Notes on a collection of bats from Central America with the third record for *Cyttarops alecto* Thomas. *Zoologica*, New York **49**: 53-63. — 1 *Paratrichobius*, 1 *Pterellipsis*, 3 *Trichobius*, 1 unnamed *Basilisa* sp., Costa Rica, Nicaragua & El Salvador rec.

Staveley, E. F.

1871. British insects, a familiar description of the form, structure, habits and transformations of insects. xvi + 392 pp., 16 pls. London (L. Reeves). — *Nycteribia* p. 372, Nycteribiidae p. 378, brief accounts.

Stebbins, R. E.

1966. A population study of bats of genus *Plecotus*. *J. Zool.*, London **150**: 53-75. — Nyct. on juvenile *Plecotus*, p. 70.

Stefanelli, Alberto

1942a. Il parassitismo dei Nycteribiidae come risulta da infestazioni sperimentali di varia specie di Chiroteri. *Rend. Accad. Ital.* (7), **3**: 323-332. — 9 experiments on 1 *Penicillidia*, 1 *Nycteribia*, 2 *Listropodia*, 1 *Celeripes*.

1942b. La specificità parassitaria dei Nycteribidi indagata sperimentalmente. *Rend. Accad. Ital.* (7), **3**: 630-635.

1942c. Il parassitismo della "*Nycteribosca africana*" Walk. *Rend. Accad. Ital.* (7), **3**: 636-641. [Condensed text of 1942f]

1942d. Affinità sistematiche dei Chiroteri e parassitismo dei Nycteribiidae. Parte I. Gli ospiti. *Riv. Parassit.* **6**: 25-42, 7 figs. — Cohabitation of bat spp. in caves vs cohabitation of Nyct. spp.

1942e. Affinità sistematiche dei Chiroteri e parassitismo dei Nycteribiidae. Parte II. I Parassiti. *Riv. Parassit.* **6**: 61-86, 9 figs. — Specific & occasional hosts of

Penicillidia dufouri, *conspicua*, *Celeripes biarticulata*, *Listropodia schmidli*, *pedicularia*, *blasii*, *Nycteribia vexata* in Italy briefly analysed; certain details of ♂ ♀ terminalia figured.

1942f. Ricerche sulla *Nycteribosca africana* (Walk.), Streblide parassita dei Chiroterri. *Med. e Biol.*, Roma **1**: 5-26, 18 figs. — *Nycteribosca*, checklist of 18 spp., morphology (esp. terminalia, tarsal claws) compared w. Nyct.; *N. africana* ex *Rhinolophus euryale*, nr. Roma.

1949. Studi sui Chiroterri della Sardegna e sui loro ectoparassiti. Nota I. *Rend. Semin. Fac. Sci. Univ. Cagliari* **18** (for 1948): 1-4. — *Pen. conspicua*, *Cel. biarticulata*, *Listr. schmidly* (!), *blasii*, rec.

Stefani-Perez, Teodosio de (see Bezzi et al.)

Stekhoven, J. H. Schuurmans (see Schuurmans Stekhoven, J. H., Jr.)

Stephens, James F.

1829a. The nomenclature of British insects, being a compendious list of such species as contained in the systematic catalogues of British insects. 68 columns. London (Baldwin). [Ed. 2, 136 columns, published 1831]. — *Nycteribia hermanni*, *latreillei*, column 63.

1829b. A systematic catalogue of British insects **2**: 1-388. London (Baldwin). [Entire work, 2 vols., both published 1829]. — *Nycteribia latreillei*, p. 328.

Stiles, C. Wardell & M. O. Nolan

1931. Key catalogue of parasites reported for Chiroptera (bats) with their possible public health importance. *U. S. Treasury Dept. Nat. Inst. Hlth Bull.* **155**: 603-742, 767-789 [Index on pp. 769-780 for both this article & Collins 1931]. — Introduction pp. 603-608; Pupipara pp. 644-660; 8 Nyct. & 16 Streb. g., 4 *Penicillidia* & 3 *Nycteribia* subg., keys; intercrossing index for hosts, parasites & their synonyms.

Stock, A. D.

1961. Bat ticks found in the Navajo Reservoir Basin, Colorado and New Mexico. *Univ. Utah Anthropol. Papers* **55** (Upper Colorado ser. 5): 118. — *Basilisa antrozoi*, *forcipata*, New Mexico rec., population density.

Strinati, P.

*1953. Une grotte près d'Alhama de Murcia. *Speleon*, Oviedo **4**: 95-104, 2 figs. — *Nycteribia biarticulata* rec.

Strobl, Gabriel (see Czerny & Strobl)

Stuardo Ortiz, Carlos

1946. Catalogo de los Dipteros de Chile. 253 pp. Santiago de Chile (Ministr. d. Agric.) — *Basilisa silvae*, p. 188.

Swinhoe, Robert

1870. Catalogue of the mammals of China (south of the River Yangtsze) and of the island of Formosa. *Proc. Zool. Soc. Lond.* 1870: 615-653. — "I procured a specimen

of a bat [*Dysopus rucppellii*] some years ago at Amoy The living animal carried two species of parasites, one winged and other wingless. These have been described and figured by Mr. H. Giglioli", p. 618.

Taboada, G. Silva (*see* Silva Taboada, G.)

Tamsitt, J. R. & I. Fox

1970. Records of bat ectoparasites from the Caribbean region (Siphonaptera, Acarina, Diptera). *Canad. J. Zool.* **48**: 1093-1097. — 18 Streb. spp. (in 10 g.) ex 13 bat spp. fr. Puerto Rico, Guyana & Colombia, rec.; earlier rec. for each Streb. sp. briefly summarized.

Tamsitt, J. R. & D. Valdivieso

*1970. Los murciélagos y la salud pública. Estudio con especial referencia a Puerto Rico. *Bol. Ofic. Sanitaria Panamericana* **69**: 122-140. — Batflies vs. bat malaria noted.

Tatarinov, K. A.

*1956. [The mammals of West Ukraine] (In Russian). 187 pp., 34 figs. Kiev (Acad. Sci. Ukr. SSR.) — Nyct. mentioned in chapter on bats.

Tennent, J. Emerson

1859. Ceylon, an account of the Island, physical, historical and topographical, with notices on its natural history, antiquities and productions. **1**: i-xxxix, 1-634. [Entire work in 2 vols.] London (Longman & Roberts). — Insects pp. 247-308; *Nycteribia* sp. (ex *Scotophilus coromandelicus*), movement mechanism pp. 161-162, 292.

1861. Sketches of the natural history of Ceylon with narratives and anecdotes illustrative of insects xxiii + 500 pp., figs. (unnumbered). London (Longman & Roberts). — Insects pp. 403-479; *Nycteribia* sp. ex *Scotophilus*, p. 21, figured.

Thalhammer, E. Janos (= Johannes)

*1918. Fauna Regni Hungariae. **3** (Diptera): 5-76. Budapest. — Pupipara pp. 69-70, Nyct. p. 70; *Penicillidia dufouri*, *Nycteribia vexata* listed fr. Bihar (now in Romania).

Thaxter, Roland

1896. Contribution toward a monograph of Laboulbeniaceae. *Mem. Amer. Acad. Arts & Sci.*, Boston **12**: 195-429, 26 pls. — *Arthrorhynchus nycteribiae* p. 297, pl. 10.

1901. Preliminary diagnoses of new species of Laboulbeniaceae. III. *Proc. Amer. Acad. Arts & Sci.*, Boston **36**: 397-414. — *Arthrorhynchus cyclopodiae* n. sp. (p. 407) ex *Cyclopodia macrura*, New Britain; *A. eucampsipodae* n. sp. (p. 409) ex *Eucampsipoda hyrtli*, Egypt.

1908. Contribution toward a monograph of Laboulbeniaceae. Part II. *Mem. Amer. Acad. Arts & Sci.*, Boston **13**: 219-469, 44 pls. — *Arthrorhynchus* (= *Helminthophana*) *nycteribiae*, status discussed, p. 312; *A. cyclopodiae* (p. 313), *eucampsipodae* (p. 314), redes.

Theodor, Oskar

1952. On the zoogeography of some groups of Diptera in the Middle East. *Rev. Fac. Sci. Univ. Istanbul (B)*, **17** (2): 107-119. — 4 Streb., 11 Nyct. spp., faunal affinities analysed, pp. 117-119; *Nycteribia biloba*, *Basilina nana* nom. nuda, *N. integra* n. name, p. 118.

1953. On the structure of the genitalia in the Nycteribiidae. *Trans. 9th Int. Congr. Ent. (Amsterdam)* **2**: 27-33, 6 figs. — 3 types of ♂ ♀ genitalia recognized; *Nycteribia biloba*, *Basilina nana* nom. nuda; *Acrocholidia integra* n. name.

1954a. Nycteribiidae. In E. Lindner (ed.): Die Fliegen der palaearktischen Region **66a**: 1-44, 30 figs., 18 pls. — Monographic rev. (enlarged fr. Theodor & Moscona 1954) incl. general morphology, systematics, biology, distribution, technique, keys, redes.; 6 g., 31 spp.; *Nycteribia (Stylidia) chinensis*, *ornata*, *szechuana*, *Basilina italica* n. spp.; *Paracyclopodia royllii burmensis*, *Cyclopodia greeffi arabica* n. subspp.; repetition of Theodor & Moscona's paper: *Nycteribia* as "n. subg.", *N. kolenatii*, *integra* as n. names, *N. biloba*, *nana* as n. spp., *Basilina bathybothyra daganiae* as n. spp. again.

1954b. Streblidae. In E. Lindner (ed.): Die Fliegen der palaearktischen Region **66b**: 1-12, 15 figs., 1 pl. — General morphology, keys, redes.; 3 g., 7 spp.

1955. On the genus *Eucampsipoda* Kol. and *Dipseliopoda* n. g. *Parasitology* **45**: 195-229, 53 figs. — Keys, redes.; *Eu. africanum* (!), *madagascarensis*, *sundaicum* (!), *inermis*, *penthethoris*, *D. setosa*, *arcuata* n. spp.; *biannulata* transferred to *Dipseliopoda*.

1956. On the genus *Tripselia* and the group of *Basilina bathybothyra*. *Parasitology* **46**: 353-394, 57 figs. — *T. aequisetosa*, *brevipes*, *hirsuta*, *B. punctata*, *seminuda*, *ansifera*, *robusta*, *meridionalis* n. spp.; *B. bathybothyra*, status discussed; *amiculata* degraded to ssp., *daganiae* raised to sp. rank; redes. of 3 *Tripselia*, 4 *Basilina* spp.; distribution, host specificity briefly discussed; misc. rec. for S. Africa, Nyasaland, Angola, Congo, Gambia, Sierra Leone, Liberia, Ivory Coast, Ghana, Dahomey, Nigeria, Camerouns, Sudan, Tanzania, Kenya, Ethiopia, Uganda, Egypt, Cyprus, Turkey, Palestine, India, Ceylon, Burma, Thailand, Sumatra, Java, Borneo, New Guinea, Australia.

1957a. Parasitic adaptation and host-parasite specificity in the pupiparous Diptera. *First Symposium on Host Specificity among Parasites of Vertebrates (Inst. Zool., Univ. Neuchatel, 1957)*: 50-63. — Parasitic adaptation in eye & wing reduction, developmental & feeding habits, attachment devices; host specificity; distribution; phylogeny.

1957b. The Nycteribiidae of the Ethiopian Region and Madagascar. *Parasitology* **47**: 457-543, 129 figs., 3 maps. — 7 g., 43 spp., keys, des., rec.; *Nycteribia exacuta*, *latiterga*, *hoogstraali*, *tecta*, *inopinata*, *rotundata*, *ovalis*, *Basilina tenuispina*, *glabra*, *madagascarensis*, *Tripselia echinata*, *Penicillidia decipiens* n. spp.; *N. scissa sudanica*, *N. s. rhodesiensis* n. subspp.; distribution pp. 538-541, host specificity pp. 542-543.

1959. A revision of the genus *Cyclopodia*. *Parasitology* **49**: 242-308, 77 figs., 3 maps. — 24 spp. (in 4 groups), keys, redes., rec.; *C. australis*, *bougainvillensis*, *ponapensis*, *macracantha*, *truncata*, *solomonarum*, *obliqua*, *simulans*, *brachythrinx*, *orthotricha* n. spp.; *C. ferrarii palawanensis* n. spp.; *Leptocyclopodia* n. subg.

1963. Philippine Zoological Expedition 1946-1947. Philippine batflies of the family Nycteribiidae. *Fieldiana, Zool.* **42**: 151-192, 51 figs. — 15 spp. (in 6 g.), keys, des.,

rec., general distribution, host specificity; *Nycteribia allotopoides*, *parvuloides*, *Stylidia mindanaensis*, *brachyacantha*, *Penicillidia oligacantha* n. spp.; *P. oceanica acuminata* n. ssp.; races of *Nycteribia allotopa* & *N. parvula* fr. India, Ceylon & Taiwan compared.

1964. On the relationship between the families of the Pupipara. *Proc. 1st Int. Congr. Parasitol.* **2**: 999-1000. — Pupipara considered a monophyletic group; differences between Streb. & Hippoboscidae mainly of adaptive nature.

1966a. Ueber neue Nycteribiiden-Arten aus der Mongolei. *Mitt. Zool. Mus. Berlin* **42**: 197-210, 15 figs. — *Nycteribia quasiocellata*, *Basilina mongolensis*, *truncata* n. spp.

1966b. Diptera Pupipara collected by the Noona Dan Expedition in the Philippines and the Bismarck Islands. *Ent. Medd.* **34**: 533-536. — 8 Nyct., 1 Streb. sp., rec. [Nyct. rec. repeated in Theodor 1968a].

1967a. Nycteribiidae. *Ins. Micronesia* **14**: 275-279, 2 figs. [Date of publication given on cover as 1966 but on back of title page as Jan. 1967]. — *Cyclopodia albertisii*, *ponapensis*, des., rec.

1967b. An illustrated catalogue of the Rothschild Collection of Nycteribiidae in the British Museum (Natural History) with keys and short descriptions for the identification of subfamilies, genera, species and subspecies. *Brit. Mus. (Nat. Hist.) Publ.* **655**: i-viii, 1-506, 898 figs., 6 maps, 5 pls. (Introduction, pp. 1-5, by M. Rothschild). — Monographic rev., 200 spp. - subspp. (in 13 g. - subg.) treated (the Rothschild colln. includes 67 spp., 1595 specimens; the Brit. Mus. colln. includes 140 spp. - subspp., of which 61 are represented by types); morphology, chaetotaxy, generic & suprageneric classification, nomenclature, distribution & biology of the family summarized; *Nycteribia dentata*, *japonica*, *triangularis*, *papuensis*, *rothschildi*, *spinosa*, *Stylidia caudata*, *ceylonica*, *curvata*, *fraterna*, *incisa*, *maxima*, *nuditerga*, *psilota*, *styligera*, *tonkinensis*, *torresi*, *Basilina hispida*, *monocula*, *borneensis*, *pectinata*, *afghanica*, *compar*, *coronata*, *major*, *musgravei*, *quadrata*, *triseriata*, *Hershkovitzia coeca*, *inaequalis*, *Stereomyia* (n. g.) *armata*, *Penicillidia actedona*, *heinrichi*, *miriamae*, *spinifera*, *Archinycteribia octophthalma* n. spp.; *St. euxesta siamensis*, *B. coronata indivisa* n. subspp.; *B. (Conotibia)* n. subg.; Cyclopodiinae n. subfam.; 9 spp. listed & left untreated.

1968a. New species and new records of Nycteribiidae from the Ethiopian, Oriental and Pacific regions. *Parasitology* **58**: 247-276, 62 figs. — *Basilina sierraleonae*, *victoriyananzae*, *saccata*, *Penicillidia allisoni*, *principis*, *sumatrensis*, *Stylidia toungoensis* n. spp.; *P. decipiens* ♂, *St. phthisica*, *euxesta*, *Leptocyclopodia schizopyga*, *planiseta*, redes.; *St. burmensis* n. name for *euxesta* Theod.; *L. melanoleuca* n. name proposed conditionally; *Listropodia*, *Stylidia*, *Tripselia* status discussed; misc. rec. for Mozambique, Congo, S. Tomé, Principe I., Sierra Leone, Ghana, Uganda, Tanzania, Madagascar, Burma, Malaya, Sumatra, Borneo, Philippines, Ceram, Bismarck Arch.

1968b. A revision of the Streblidae of the Ethiopian Region. *Trans. Ent. Soc. Lond.* **120**: 313-373, 225 figs. — Keys to various taxa; 2 subfam., 4 g., 36 spp. - subspp. (incl. 2 unnamed) recognized; *Raymondia*, entire g. divided into 2 subg., 6 species-groups; *Brachytarsina alluaudi minor*, *B. longiarista longipes* n. subspp.; *R. (R.) allisoni*, *tauffliebi*, *Ascodipteron brachythecum* n. spp.; supplementary des. of several *Raymondia* (incl. 4 Oriental ones) & *Ascodipteron* spp. (incl. illustrations of larval spiracles); discussions on host relationship.

Theodor, O. & M. Costa

1967. A survey of the parasites of wild mammals and birds in Israel. Part I. Ectoparasites. 117 pp., 3 maps (w. Hebrew summary). Jerusalem (Israel Acad. Sci. Humanities). — 5 Streb. spp. (in 3 g.) & 11 Nyct. spp. (in 4 g.) found on 14 spp. of bats, pp. 14-16; 2 other spp. of bats free of batflies.

Theodor, O. & A. Moscona

1954. On bat parasites in Palestine. I. Nycteribiidae, Streblidae, Hemiptera, Siphonaptera. *Parasitology* **44**: 157-245, 105 figs. — General morphology, generic nomenclature, zoogeography, host specificity; keys & redes. of g. & spp.; virtually a rev. of W. Palaeartic forms; Nyct. 14 spp. in 4 g., Streb. 4 spp. in 3 g.; *Nycteribia biloba*, *Basilina nana* n. spp.; *B. bathybothyra daganiae* n. ssp.; *N. kolenatii*, *N. integra* n. names; *Nycteribia* "n. subg."; *Dipseliopoda*, *Eucampsipoda africanum*, *Cyclopodia greeffi arabica* nom. nuda; misc. rec. for Egypt, Yemen, Europe.

Theodor, O. & B. V. Peterson

1964. On some new species of Nycteribiidae. *Great Basin Naturalist* **24**: 107-115, 13 figs. — *Basilina mimoni*, *jellisoni*, *Penicillidia godivae* n. spp.; *B. tiptoni*, *triseriata* nom. nuda; rec. for Peru, U. S. A., Singapore, Malaya, Borneo.

Théodoridès, Jean (*see also* Leclercq & Théodoridès)

1954. Première contribution à l'étude des ectoparasites de vertébrés des Pyrénées-Orientales. *Vie & Milieu*, Univ. Paris **4** (for 1953): 753-756. — 2 *Penicillidia*, 2 *Nycteribia* spp., rec.

Thompson, Gordon B.

1935. The parasites of British birds and mammals. IV. Records of bat parasites. *Ent. Mon. Mag.* **71**: 143-147. — *Nycteribia pedicularia*, p. 146.

1936a. A check list of the Hippoboscidae and Nycteribiidae parasitic on British birds and mammals. *Ent. Mon. Mag.* **72**: 91-94. — *Nycteribia latreillei*, *biarticulata* listed; nomenclature of *Listropodia*, *Celeripes* vs. *Stylidia* discussed, in favor of Musgrave's (1925) view.

1936b. The parasites of British birds and mammals. VIII. Some additional records of bat parasites. *Ent. Mon. Mag.* **72**: 133-136. — *Nycteribia pedicularia*, p. 135.

1937a. A list of the Diptera (Nycteribiidae and Streblidae) recorded from bats of the Pacific islands. *Ent. Mon. Mag.* **73**: 202-208. — Scope of this list confined to Bismarck Arch., New Hebrides, Solomon Is., New Caledonia, Loyalty Is., Samoa, Fiji; compiled from 6 papers by Falcoz etc.; 1 *Archinycteribia*, 2 *Penicillidia*, 2 *Nycteribia*, 6 *Cyclopodia*, 7 *Nycteribosca* spp. included; host index; also including brief notes, by H. Scott, on 3 Solomon Is. Nyct.

1937b. The parasites of British birds and mammals. XVII. A bibliography of the previous records of Nycteribiidae together with additional records and notes. *Ent. Mon. Mag.* **73**: 274-278. — Earlier literature (20 entries) summarized; *Nycteribia latreillei* (also Ireland), *biarticulata*, rec.

1937c. A census of the ectoparasites of some Ceylon bats. *J. Anim. Ecol.* **6**: 337-339.

— 18 bats (of 6 spp.) revealing 2 *Penicillidia*, 3 *Nycteribia*, 1 *Cyclopodia*, 1 *Eucampsipoda*, 1 *Tripselia*, 1 *Raymondia*, 2 *Nycteribosca* spp.

1938. The parasites of British birds and mammals. XXI. New records and corrections to previous contributions. *Ent. Mon. Mag.* **74**: 277-279. — 1 addition to his 1937 bibliography.

1961. The parasites of British birds and mammals. XXXVI. New records of bat parasites. *Ent. Mon. Mag.* **97**: 131-134. — *Nycteribia biarticulata*, p. 133, *N. kolenatii*, p. 134.

1962. Records of bat parasites from West Suffolk. *Suffolk Naturalists' Soc. Trans.* **12**: 93-95. — *Nycteribia kolenatii*, p. 94.

Thompson, G. B. & N. J. B. Plomley

1938. A list of the insect ectoparasites recorded from Australian birds and mammals. *Proc. Linn. Soc. N. S. Wales* **63**: 105-127. — Compiled from literature, 11 *Nyct.*, 2 *Streb.* spp. (in 3 & 2 g. respectively) listed fr. Australia & New Guinea.

Thon, Theodor & A. B. Reichenbach

1838. Die Insekten, Krebse und Spinnenthiere, 480+10 pp., 131 pls. Leipzig (Eisenach). — *Nycteribia*, des. of g., p. 435, pl. 109 (139).

Tillyard, Robin J.

1926. The insects of Australia and New Zealand. xi+560 pp., figs. (many), 44 pls. — 1 *Streb.*, 5 *Nyct.* spp. (all without giving names) included in a census of Australian fauna, p. 378; *Cyclopodia pteropus*, fig. W 72.

Tipton, Vernon J. (see Wenzel & Tipton; Wenzel, Tipton et al.)

Tokunaga, Masaaki

1932. [Notes on a collecting trip to coastal grottoes in Kisyu Setokaigan]. (In Japanese). *Trans. Kansai Ent. Soc.*, Osaka **3**: 89-90, 1 fig. — *Ascodipteron* sp. ex *Miniopterus*, figured.

Tonn, Robert J. & K. Arnold

1963. Ectoparasitos de Aves y Mamiferos de Costa Rica. I. Diptera. *Rev. Biol. Trop.* **11**: 171-176. — 2 *Aspidoptera*, 1 *Euctenodes*, 1 *Metelasmus*, 2 *Paratrichobius*, 1 *Pterellipsis*, 4 *Trichobius* spp. listed.

Torre, Luis de la (see Starrett & de la Torre)

Townsend, C. H. Tyler

1891. A remarkable new hippoboscid from Mexico. *Ent. News* **2**: 105-106. — *Trichobius* (as n. g.) *dugesii* n. sp.; *Strebla* to be included in Hippoboscidae.

1892. Notes on *Trichobius dugesii* Twms. *Ent. News* **3**: 177-178. — Authorship of g. duly accredited to Gervais 1844.

1893. A nycteribid from a New Mexico bat. *J. N. Y. Ent. Soc.* **1**: 79-80. — *Nycteribia antrozoi* n. sp.

1897. Contribution from the New Mexico Biological Station No. 2. On a classification of Diptera from the lowlands of the Rio Nautla in the State of Vera Cruz. II. *Ann. Mag. Nat. Hist.* (6), **20**: 19-33, 272-291. — *Trichobius*, not as Williston (1896) implied, w. bifid claws, p. 291.

1913. A new genus of Streblidae. *Proc. Ent. Soc. Wash.* **15**: 98-99. — *Synthesiostrebla* (n. g.) *amorphochili* n. sp., Peru; Streb. crossveins, evolution.

Trimen, Roland

*1878. [Exhibition of two species of *Nycteribia* from *Miniopterus* near Montagu]. *Trans. S. Afr. Philos. Soc.* **1** (Proc.): xxvii.

Ubelaker, John E.

1966. Parasites of the grey bat *Myotis grisescens* in Kansas. *Amer. Midl. Naturalist* **75**: 199-204. — *Trichobius major* rec., earlier records summarized, p. 201.

Urich, Frederic W.

1922. Observations in San Thomé in 1920. In Urich, Scott & Waterston: Notes on the dipterous bat-parasite *Cyclopodia greeffi* Karsch and on a new species of hymenopterous (chalcid) parasite bred from it. *Proc. Zool. Soc. Lond.* 1922 (1): 473-474. (Cf. Scott 1922, Waterston 1922). — Numerous puparia found on both surfaces of smooth leaves of very tall, slender-stemmed trees on which the host gregariously roosted; newly emerged adults refusing to feed on a rabbit.

Valdivieso, D. (see Tamsitt & Valdivieso)

Valle, Antonio (see Bianchi et al.)

van **Beneden**, P. J. (see also Gervais & van Beneden)

*1872. Notice sur les chauves-souris de la Belgique et leurs parasites *Bull. Acad. Méd. Belg.* (2), **33**: 207-209.

van den Broek, E. (see Schuurmans Stekhoven & van den Broek)

van der **Wulp**, Frederick M.

1892. Diptera. In P. J. Veth: Midden Sumatra, Reizen en Onderzoekingen der Sumatra-Expedite 1877-1879, deel **4** Nat. Hist. (1, Fauna, laatste helft) [= J. F. Snelleman: Bijdragen to de Kennis der Fauna van Midden-Sumatra **2** (9)]: 1-60, 3 pls. — *Nycteribia jenyntsi*, des., rec.; *N. minuta* n. sp.

1896. Catalogue of the described Diptera from South Asia. iv+220 pp. Den Haag (M. Nijhoff). — 2 *Raymondia*, 1 *Brachytarsina*, 6 *Nycteribia*, 3 *Cyclopodia* spp. listed under Nycteribiidae, pp. 207-208.

1903. Pupipara. Fam. Hippoboscidae. In F. D. Godman & O. Salvin (ed.): *Biologia Centrali-Americana, Zoologia - Insecta - Diptera* **2**: 429-432, 1 pl. [Entire work, 57 vols., published 1879-1915, London; Diptera comprising 3 vols., 1886-1903; vol. 2, by v. d. Wulp, in 16 pts., 489 pp., 11 figs., 13 pls., published 1888-1903]. — *Trichobius dugesii* listed, p. 432.

van der Wulp, F. M. & J. C. H. de Meijere

1898. Nieuwe naamlijst van nederlandsche Diptera. vi+149 pp. Den Haag (M. Nijhoff). — *Nycteribia blasii* listed, p. 143.

Vaney, C. (*see under* Falcoz 1926)

van Eyndhoven, G. L.

1952. Literatuur over vleermuisparasieten (Dipt.) *Tijds. Ent.* **95** (Verslag): xxxv-xxxvi. — Review of Ryberg's (1947) paper.

van Heerdt, P. F. & J. W. Sluiter

1959. Suite des recherches sur les Chiroptères dans des grottes de l'Ardèche. Campagnes des 1957-1958. *Bull. Soc. Linn. Lyon* **28**: 165-169. [Addendum, by J. Balazuc, pp. 167-169]. — *Nycteribia* ex *Myotis myotis*, p. 168.

van Riel, J. & Hiernaux-Ihoest

*1948. Prospection zoologique et parasitologique des Grottes du Mont-Hoyo. *Bull. Inst. Roy. Colon. Belg.* **19**: 229-235.

Vaňura, J.

*1942. [On *Myotis daubentoni*]. (In Czech). *Veda Přírodní* **21**: 97-105. — *Listropodia blasii*, Moravian karst, rec.

van Volkenberg, H. L.

1939. An annotated check list of the parasites of animals in Puerto Rico. *P. Rico Agric. Exp. Stn. Circ.* **22**: 1-12. — *Trichobius dugesii*, *Pterellipsis aranea* rec., p. 4.

Vermeil, Claude

1960. Contribution à l'étude des Nycteribiidae et des Streblidae de Tunisie. *Ann. Paras. Hum. Comp.* **35**: 737-743, 4 figs. — 1 *Penicillidia*, 4 *Nycteribia*, 1 *Nycteribosca* sp., rec., des.

1965. Contribution à l'étude des Nycteribiidae et des Streblidae du Congo-Léopoldville. *Raymondia boquieni* nv. sp. *Ann. Paras. Hum. Comp.* **40**: 693-708, 11 figs. — 2 *Penicillidia*, 3 *Nycteribia*, 1 *Eucampsipoda*, 1 *Nycteribosca*, 4 *Raymondia* spp., des., rec.; *R. boquieni* n. sp.

Verolini, Felice

1957. Studio morfologico ed istologico degli organi genitali interni dei Nycteribiidae del genero *Listropoda*. (w. French, English & German summaries). *Rend. Istit. Super. Sanita*, Roma **20**: 89-99, 16 figs.

Verrall, George H.

1888. A list of British Diptera. Part I. 33 pp. London. [ed. 2 in 47 pp., published 1901]. — *Nycteribia latreillei*, *hermanni*, p. 31 [ed. 2, p. 36].

Volkenberg, H. L. van (*see van* Volkenberg, H. L.)

Walker, Francis

1849. List of the specimens of dipterous insects in the collection of the British Museum 4: 689-1172. London (Brit. Mus.) [Entire work in 7 pts., continuously paged, published 1848-55]. — 2 *Strebla* (incl. *africana* n. sp.), 11 *Nycteribia* spp. (3 unnamed, 4 tentatively named, 3 without localities) listed, all in suborder Eproboscideae, fam. Coriaceae; misc. rec. for Cape Prov., Natal, Bengal, China, Philippines, Jamaica, Colombia.

1853. Insecta britannica. Diptera 2: i-vi, 1-297, 10 pls. London (Reeve). [Entire work in 3 vols., published 1851-56]. — Nyct., pp. 290-292, pl. 20; *Nycteribia biarticulata*, *vespertilionis* redes. [labelled on pl. 20 as *N. hermanni* & *N. latreillei* respectively].

1861a. Catalogue of the dipterous insects collected at Manado in Celebes and in Tond by Mr. A. R. Wallace. *J. Proc. Linn. Soc. Lond.* 5: 258-270. — *Nycteribila dubia* (?), Tond, p. 270.

1861b. Catalogue of the dipterous insects collected in Batchian, Kissa and at Tidon in Celebes by Mr. A. R. Wallace with descriptions of new species. *J. Proc. Linn. Soc. Lond.* 5: 270-303. — *Nycteribia parilis* n. sp., Batchian, p. 300.

1868. Synopsis of the Diptera of the Eastern Archipelago discovered by Mr. Wallace and noticed in the "Journal of the Linnean Society". *J. Proc. Linn. Soc. Lond., Zool.* 9: 1-30. — *Nycteribia dubia*, *parilis* listed, p. 30.

Walsh, G. B.

*1928. Some Yorkshire bat-parasites. *Naturalist*, London no. 857: 170. — *Listropodia pedicularia* (+var. *blasii*) ex *Myotis daubentoni*.

Waterhouse, Charles O.

1879. On the affinity of the genus *Polycytenes* Giglioli with the description of new species. *Trans. Ent. Soc. Lond.* 1879: 309-312, 2 pls. — *Euctenodes* (n. g.) *mirabilis* n. sp., Colombia; g. placed provisionally in Polycytenidae.

Waterston, James

1922. A new *Eupelmus* (*E. urichi* sp. n.) from San Thomé. In F. W. Urich et al.: Notes on the dipterous bat-parasite *Cyclopodia greeffi* Karsch and on a new species of hymenopterous (chalcid) parasite bred from it. *Proc. Zool. Soc. Lond.* 1922 (1): 474-477, 1 fig.

Wegelin, H.

1933. Beitrag zur Kenntnis der Aussenschmarotzer unserer Warmblüter. *Mitt. Thüring. Naturf. Ges.* 29: 96-114. — *Nycteribia latreillei* ex *Myotis myotis* p. 105.

Weidner, Herbert

1958. Die auf Fledermäusen parasitierenden Insekten mit besonderer Berücksichtigung der in Deutschland vorkommenden Arten. *Nachr. Naturw. Mus. Stadt Aschaffenburg* 59: 1-92, 21 figs. — Nyct., pp. 41-58; keys to 3 g. & to 5 German *Nycteribia* spp.; Streb., pp. 58-67, key to 3 Old World g.; Nyct. -Streb., systematic affinities, pp. 68-71.

Weiss, Albert

*1911. Catalogue et distribution des Arthropodes piqueurs de l'île de Djerba. *Arch. Inst. Pasteur Tunis* 1911: 268-274. — *Nycteribia pedicularia* ex *Miniopterus*, pp. 268, 272.

Wenzel, Rupert L. (see also Dybas & Wenzel)

1965a. Streblidae. In A. Stone et al. (ed.): A catalog of the Diptera of America north of Mexico (*U. S. Dep. Agric., Agric. Handb.* 276): 921. — 1 *Nycterophilina*, 4 *Trichobius*, 1 unnamed *Paratrichobius* sp. listed.

1965b. Nycteribiidae. In A. Stone et al. (ed.): A catalog of the Diptera of America north of Mexico (*U. S. Dep. Agric., Agric. Handb.* 276): 922. — 5 *Basilina* spp. listed; *B. calverti* (= *forcipata*).

Wenzel, R. L. & V. J. Tipton

1966. Some relationships between mammal hosts and their ectoparasites. In R. L. Wenzel & V. J. Tipton (ed.): Ectoparasites of Panama: 677-723, 4 figs. — Host specificity, competitive displacement, epidemiological relationship, altitudinal distribution, faunal relationship, zoogeographical implications of batflies and other Panamanian ectoparasites examined; a case of coexistence and possible competitive displacement among Streb. on *Phyllostomus hastatus* discussed; relative faunal endemism of Panama compared with that of northern S. America.

Wenzel, R. L., V. J. Tipton & C. J. Fowler

1966. Classified list of hosts and parasites. In R. L. Wenzel & V. J. Tipton (ed.): Ectoparasites of Panama: 797-824.

Wenzel, R. L., V. J. Tipton & A. Kiewlicz

1966. The streblid batflies of Panama. In R. L. Wenzel & V. J. Tipton (ed.): Ectoparasites of Panama: 405-675, figs. 38-146. — Virtually a monographic rev. of New World forms; 23 g. (7 n.) 87 spp. (50 n.) in 3 subfam. treated (plus 1 *Strebla*, 6 *Paratrichobius* spp. unnamed) leaving only 7 known New World spp. untreated; of these, 20 g. 66 spp. from Panama (12,000 specimens from over 50 spp. of bats); morphology pp. 415-425; biological notes pp. 425-427; technique pp. 410-415; host relationships pp. 636-661; comprehensive bibliography for New World Streb.; 55% of the spp. each confined to a single host species, only 15% occurring on bats of more than 1 g. (usually of same fam.) or on bats of closely related g. of same subfam.; monotypic hosts very rarely harboring different Streb. in different parts of their geographic ranges; also very rarely Streb. of same g. occurring together on same host; *Anastrebla* (n. g.) *modestini*, *mattadeni*, *nycteridis*, *Anatrichobius* (n. g.) *scorzai*, *Aspidoptera delatorrei*, *Mastoptera* (n. g.) *guimaraesi*, *Megistopoda theodori*, *Noctiliostrebla* (n. g.) *aitkeni*, *maai*, *traubi*, *Nycterophilina fairchildi*, *parnelli*, *natali*, *Paradyschiria lowei*, *sanchezi*, *salvini*, *Pseudostrebla greenwelli*, *Strebla altmani*, *alvarezi*, *carolliae*, *christinae*, *consocius* (!), *diaemi*, *diphyllae*, *galindoi*, *hertigi*, *hoogstraali*, *kohlsi*, *machadoi*, *Trichobius bequaerti*, *brennani*, *diphyllae*, *dugesioides*, *dunni*, *dybasi*, *furmani*, *galei*, *joblingi*, *johnsonae*, *keenani*, *lionycteridis*, *lonchophyllae*, *macrophylli*, *mendezi*, *urodermae*, *vampyropis*, *yunkeri* n. spp.; *Exastinion*, *Trichobioides* n. g.; *Nycterophiliinae* n. subfam. [authorship of above n. taxa accredited to Wenzel alone]; *Neotrichobius*

stenoapterus Wzl. & Aitken n.g., n.sp.; *Pseudostrebla*, *Stizostrebla* & *Eldunnia* transferred to Trichobiinae; *Strebla* = *Euctenodes*; *Hippobosca vespertilionis* Fabr., neotype designated.

West, Tuffen

*1887. Half an hour with the microscope. *J. Microsc. Nat. Hist. (J. Postal Microsc. Soc.)* **6**: 112. — Nyct. briefly discussed.

*1888. Parasites of flying fox. *J. Microsc. Nat. Sci. (J. Postal Microsc. Soc.)* **7** [= n. s., **1**]: 257-258, pl. 18 (1-2). — *Nycteribia* sp. ex flying fox (no locality mentioned), notes, illustrations of both sexes.

Westwood, John O.

1834. On *Nycteribia*, a genus of wingless insects. *Proc. Zool. Soc. Lond.* **2**: 135-140. [Slightly abridged version of Westwood 1835].

1835. On *Nycteribia*, a genus of wingless insects. *Trans. Zool. Soc. Lond.* **1**: 275-294, 1 pl. [Slightly abridged versions, in 1834, as above, & in 1836, *Isis* (Oken) **29**: 442-453, figs. Abstracts in 1835, *L'Institute*, Paris 1835: 221; *Philos. Mag.*, London (3), **6**: 392-394; *Isis* (Oken) **28**: 1054-1056]. — Monographic rev., 11 spp.; *jenynsii*, *roylii*, *sykesii* n. spp.; *dubia*, *dufourii*, *vexata* n. names; the g. was considered to be osculant between classes Arachnida & Haustellata of subkingdom Annulosa; material fr. Germany, France, England, Italy, India, China, Mauritius.

*1839. Descriptions and figures of some new Indian insects. In J. F. Royle: Illustrations of the botany and other branches of natural history of the Himalayan Mountains, and of the flora of Cashmere **1**: xl-liv, 2 col. pls. — *Nycteribia roylii*, p. liv, pl. 10(9).

1840a. An introduction to the modern classification of insects **2**: i-xi, 1-587, figs. 57-133. London (Longman). [Entire work in 2 vols., vol. 1 published 1839]. — Nyct. pp. 585-586; *Nycteribia sykesii* (incl. puparium), *biarticulata* figured.

1840b. Synopsis of the genera of British insects. 158 pp. [As an appendix of the above but independently paged]. — *Nycteribia* Latr. (= *Celeripes* Mont., = *Phthiridium* Olf.); *Stylidia* n. subg. for *biarticulata*.

Weyenbergh, G. Hendrik

1881. Dos nuevas especies del grupo de los Dipteros Pupiparos. *An. Soc. Cient. Argent.* **11**: 193-200. — *Nycteribia flava* n. sp., Argentina.

Whitaker, J. O., Jr.

1957. *Trichobius* in West Virginia. *Ent. News* **68**: 237-239. — *T. corynorhini* (? ssp. *4-setosus*), des.

White, Adam

*1853. List of the specimens of British animals in the collection of the British Museum. Part 15. Nomenclature of Diptera. I. 42 pp. London (Brit. Mus.) — *Nycteribia biarticulata*, *vespertilionis*, p. 42.

Widmark, Erik

*1907. [*Nycteribia vespertilionis*]. *Medd. Ent. Sällskapet i Lund* 1907: 103. — *N. vespertilionis* ex *Vesperugo discolor*, SW Sweden rec.

Wiedemann, Christian R. W.

1818. Aus Pallas dipterologischem Nachlasse. *Zool. Mag.* (Wiedemann's) 1(2): 1-39. — *Hippobosca vespertilionis* n. sp. (Pallas in litt.), no locality, p. 3.

1824. *Analecta entomologica ex Museo regio Havniensi maxime congesta*. 60 pp., 1 pl. Kiliae (Reg. Typogr. Schol.) — *Strebla* n. g. for *vespertilionis* Fabr. [Authorship of *Strebla* wrongly accredited by Latreille & others to J. W. Dalman (1823. *Analecta entomologica*, iv + 104 pp., Holmiae) whose work is entirely different.]

1830. *Aussereuropäische zweiflügelige Insekten* 2: i-xii, 1-684, 5 pls. Hamm (Schulz). [Entire work in 2 vols.; vol. 1 published 1828]. — *Strebla vespertilionis*, redes., p. 612.

Williston, Samuel W.

1888. *Synopsis of the families and genera of North American Diptera* 84 pp., 1 fig. (unnumbered). New Haven (Hathaway). — Nyct., *Nycteribia*, p. 66.

1896. *Manual of the families and genera of North American Diptera*. liv + 167 pp. New Haven (Hathaway). [Ed. 2 of Williston 1888].

1908. *Manual of North American Diptera*. 405 pp., 163 figs. New Haven (Hathaway). [Ed. 3 of Williston 1888]. — Streb., pp. 384-385, key to 4 g., *Megistopoda* = *Pterellipsis*; Nyct., p. 386, *Nycteribia* said to be the only well defined g., while *Penicillidia*, doubtfully distinctive.

Wingate, W. J.

1906. A preliminary list of Durham Diptera with analytical tables. *Trans. Nat. Hist. Soc. Northumberland & Newcastle-upon-Tyne* (n.s.), 2: i-iv, 1-416, 7 pls. (plus 6 pp. corrections, 2 pp. additions) — *Nycteribia hermanni*, *latreillii*, key, hosts, p. 395.

Winn, Sarah E. (see McClure, Lim & Winn)

Wiseman, J. S. (see Eads, Wiseman & Menzies)

Wolcott, George N.

1923. *Insectae portoricensis*. A preliminary annotated check-list of the insects of Porto Rico with description of some new species. *J. Dep. Agric. P. Rico* 7(1): 1-313. — *Aspidoptera*, *Pterellipsis*, *Trichobius*, 1 sp. each, listed, pp. 234-235.

1936. "Insectae borinquenses". A revised annotated check-list of the insects of Puerto Rico. *J. Agric. Univ. P. Rico* 20: 1-627, figs. (unnumbered). — Streb., p. 392, same as in above.

1948. The insects of Puerto Rico. *J. Agric. Univ. P. Rico* 32: 1-975, figs. (unnumbered). — 1 *Aspidoptera*, 1 *Paradyschiria*, 1 *Pterellipsis*, 3 *Trichobius* spp., listed, pp. 531-532.

Wolf, Benno

1938. Animalium cavernarum catalogus. III. Animalium catalogus. 918 pp. s' - Gravenhage (W. Junk). — Streb., p. 473, 4 *Nycteribosca*, 2 *Raymondia* spp. listed; Nyct., pp. 474-477, 2 *Penicillidia*, 8 *Nycteribia*, 1 *Ascodipteron*, 1 *Eucampsipoda* sp. listed; catalogue intended for world fauna but batflies included therein all of Old World.

Wood, John G.

1872. Insects at home, being a popular account of insects, ... xx + 670 pp., 72 figs., 20 pls. London & New York (C. Scribner). — *Nycteribia*, p. 644, fig. 78, "plentiful on *Vespertilio murinus* ..."

Wood, Sherwin F. (see Augustson & Wood)

Woodroffe, G. E. & B. J. Southgate

1951. *Nycteribia latreillei* Leach and *Spinturnix vespertilionis* (Linn.) from bats at Godstone, Surrey. *Ent. Mon. Mag.* **87**: 170. — *N. latreillei* ex *Myotis daubentoni* & *M. nattereri*.

Wu, Chenfu F.

1940. Catalogus insectorum sinensium ... **5**: 1-524. Peiping (Fan Mem. Inst. Biol.) [Entire work in 6 vols., published 1937-41]. — Nyct. pp. 474-477, 3 *Nycteribia* (incl. *N. alloptera*!), 2 *Penicillidia* (+ 1 var.) spp. listed; Streb. p. 477, 1 *Trichobius* sp.

Wulp, F. M. van der (see van der Wulp, F. M.)

Yerbury, J. W.

1919. List of Diptera hitherto recorded from the County of Devon. *Rep. Devonsh. Ass. Adv. Sci.* **51**: 222-252. — *Nycteribia hermanni* ex *Rhinolophus hipposideros*, p. 252.

Young, Howard (see Sealander & Young)

Zetterstedt, Johann W.

1848. Diptera scandinavica disposita et descripta. **7**: 2581-2934. Lund (The Author). [Entire work in 14 continuously paged vols. (sometimes bound in 7 vols.), 6609 pp., published 1842-60]. — *Nycteribia vexata* p. 2918, said to be absent in Scandinavia.

1860. Diptera scandinavica disposita et descripta. **14**: 6191-6609. Lund. — *Nycteribia vespertilionis* [= *Basilina nattereri*, teste Ryberg 1929], p. 6482.

Zeve, Victor H.

1959. Notes on the biology and distribution of *Trichobius* in Northwest Oklahoma. *Proc. Oklahoma Acad. Sci.* **39** (for 1958): 44-49, 1 fig., 1 pl. — 3 *Trichobius* spp., local rec.

1960. Additional records of ectoparasitic insects on bats in Oklahoma. *Proc. Oklahoma Acad. Sci.* **40** (for 1959): 52-56. — 3 *Trichobius*, 2 *Basilina* spp. rec. fr. 4 spp. of bats.

Zeve, V. H. & D. E. Howell

1962. The comparative external morphology of *Trichobius corynorhini*, *T. major*

and *T. sphaeronotus*. Part I. The head. *Ann. Ent. Soc. Amer.* **55**: 685-694, 12 figs.

1963a. The comparative external morphology of *Trichobius corynorhini*, *T. major* and *T. sphaeronotus*. II. The thorax. *Ann. Ent. Soc. Amer.* **56**: 2-17, 38 figs.

1963b. The comparative external morphology of *Trichobius corynorhini*, *T. major* and *T. sphaeronotus*. III. The abdomen. *Ann. Ent. Soc. Amer.* **56**: 127-138, 19 figs.

Zimsen, Ella

1964. The type material of I. C. Fabricius. 656 pp., 2 pls. Copenhagen (Munksgaard). — *Hippobosca vespertilionis*, type missing, p. 495.

Zovtyj, I. F. et al.

*1962. Ob ektoparazitach rukokrylych jugovostocnogo Zabajkalja i prilezascich rajonov Mongolskoj narodnoj respubliky. *Irz. Irkutsk. Gos. N. -Issled. Protiv. Inst. Sibiri i Daln. Vost.* **24**: 338-343. — *Penicillidia conspicua* ex *Myotis mystacinus*, NE Mongolia.

Zumpt, Fritz K. E.

1950. Ectoparasites of bats from the Sterkfontein Caves, Transvaal. *J. Ent. Soc. S. Afr.* **13**: 87-98. — 1 *Nycteribosca*, 1 *Raymondia*, 1 *Penicillidia*, 2 *Nycteribia* spp., rec.; 1 *Raymondia*, 1 *Ascodipteron* sp. listed.

1966. The arthropod parasites of Vertebrates in Africa south of the Sahara (Ethiopian Region). Vol. 3 (Insecta excl. Phthiraptera). *Publ. S. Afr. Inst. Med. Res.* **13** (52): 1-283, 142 figs. — Streb., pp. 99-107, key to 4 g.; Nyct., pp. 107-117, key to 7 g.; 4 *Brachytarsina*, 11 *Raymondia*, 1 *Raymondioides*, 8 *Ascodipteron*, 11 *Nycteribia*, 7 *Basilina*, 3 *Tripselia*, 2 *Penicillidia*, 2 *Eucampsipoda*, 3 *Dipseliopoda*, 1 *Cyclopodia* sp. listed, each w. summary of host rec.

Zwart, D.

1959. Dierziekten en veeteelt op Nederlands Nieuw-Guinea. *Tijds. Diergeneeskunde* **84** (15): 812-831. — *Cyclopodia* sp. ex flying fox, Hollandia.

II. SUBJECT INDEX

For those subheadings prefixed by double asterisk (**) the entries listed under the subheading "Revisions" should also be consulted. Certain entries (such as Dudich 1924, Rudow 1871) listed under the subheading "Faunistics, Individual Countries" might have wrongly been placed because the political boundary-lines of the involved countries have been changed often, or the exact type localities of the involved species were not given in their original descriptions. Diacritic marks of the authors' names are omitted in this index.

****General Account.** F. J. Allen 1885; G. M. Allen 1939; Audouin, Blanchard et al. 1849; Audouin & Milne-Edw. 1828; Bequaert 1953b, 1954; Bezzi 1893, 1897, 1907; Blanchard 1840, 1845; Curran 1945; Desmarest 1867, 1869; Dogiel 1964; Drapiez 1841; Dufour 1831; Eisenstraut 1944; Fraenfeld 1855; Guerin 1827, 1835, 1844; Halloran 1955; Jeannel 1943; Jobling 1954a; Q. C. Kessel 1924; Lamarck 1835; Latreille 1803, 1805, 1818a, b, 1829a, b, 1836; Lohrl 1953; MacLeay 1821; Macquart 1843; Matthews 1952; Oldroyd 1964; A. G. Olivier 1812; Percheron 1838, 1846; Riedel 1895; Ryberg

1947; Schuurmans Stkh.1939, 1957; Scott 1914b, 1922, 1924, 1936b; Seguy 1936, 1950; Sharp 1901; Smith-Rowe 1888; Speiser 1899a, 1907d; Staveley 1871; Tonn et al. 1838; Weidner 1958; West 1887, 1888; Westood 1840a.

****Historical Remarks.** Aellen 1955; Bequaert 1954; Collins 1931; Leuckart 1858; Nitzsch 1855; Scott 1924; Speiser 1900b, 1901; Westwood 1834, 1835.

****Technique.** Bezzi 1893, 1897; Ross 1961; Scott 1914a, 1936a, 1940; Theodor 1967b; Wenzel, Tipton & Kiewlicz 1966.

Collections. Bau 1929 (Röder colln., cat.); Byers et al. 1962 (Univ. Kansas types); Chalupsky 1956 (Storkan colln., cat.); Falcoz 1924 (Paris Mus. colln., cat.); Guiglia 1957 (Genova Mus. types); Hunter 1914 (Univ. Kansas types); Hurka 1964b (Berlin Mus. colln., cat.); M. Rothschild 1967 (Rothschild colln. Nyct., history); Speiser 1902a (Bigot's & Rudow's types); Theodor 1967b (Brit. Mus. colln. Nyct., cat.); Walker 1849 (Brit. Mus. colln., cat.); Zimsen 1964 (Fabrician type).

****External Morphology, Adults.** Adensamer 1896 (♀ *Ascodipteron*); Bequaert 1953b (head); Bezzi 1900, 1906 (wing reduction); Cole 1927 (♂ terminalia); Corradetti et al. 1941 (♂ terminalia, Nyct.); Crampton 1942 (head, thorax); Gerstaecker 1862 ("halteres", Nyct.); Guimaraes 1946 (*Basilina*); Guimaraes et al. 1956 (*Basilina*); Hackman 1964 (wing reduction); Hennig 1941b (antennae, thoracic sternal area), 1958 (comparative morphology), 1965 (mouthparts, ♂ genitalia); Jobling 1928, 1929 (head, mouthparts), 1930 (*Raymondia*), 1934a (*Nycteribosca*), 1936a (Streb.), 1938 (*Trichobius*), 1939b (♀ *Ascodipteron*), 1951, 1954a (terminalia, Streb.); Massonnat 1909 (head); Mazza et al. 1939 (*Trichobius*); Muggenburg 1892 (mouthparts, *Nycteribia*); Mukerji et al. 1954 (*Cyclopodia*); Nussbaum 1960 (thoracic skeleton, *Basilina*); Pessoa & Guimaraes 1937 (antennae, Streb.); Sadoglu 1956 (ocular reduction); Schlein 1970 (thoracic skeleton); Schuurmans Stkh. 1952a (♀ *Ascodipteron*); Speiser 1899b (wing reduction), 1900b (Streb.), 1901 (Nyct.); Stefanelli 1942f (terminalia, *Nycteribosca*); Theodor 1955 (terminalia, Nyct.), 1954b (Streb.), 1954a, 1967b (Nyct.); Theodor & Moscona 1954 (Nyct.); Townsend 1913 (crossveins, Streb.); Zeve et al. 1962, 1963a, b (comparative study, 3 *Trichobius* spp.).

Internal Morphology, Adults. Adensamer 1896 (♀ *Ascodipteron*); Bequaert 1953b (reproductive system); Hardenberg 1927, 1929 (comparative study); Massonnat 1909 (nervous system); Mukerji et al. (alimentary duct, reproductive system, *Cyclopodia*); Nussbaum 1960 (thoracic musculature, nervous system, *Basilina*); Rodhain et al. 1915 (reproductive system, *Cyclopodia*); Sadoglu 1956 (ocular reduction); Schlein 1970 (thoracic musculature); Verolini 1957 (reproductive system, *Nycteribia*).

Histology. Theodor 1968b (ocular ganglion, *Brachytarsina*); Verolini 1957 (reproductive system, *Nycteribia*).

Cytology. Bequaert 1953b; Cooper 1942.

Immature Stages. Banks 1911 (*Ascodipteron*); Decu-Burghel 1963 (4 *Nycteribia*, 1 *Phthiridium* sp., w. key); Ferris 1923 (*Nycteribia*), 1930a (*Basilina*); Guimaraes 1944b (1 *Aspidoptera*, 1 *Paradyschiria*, 2 *Trichobius* spp.); Guimaraes et al. 1956 (5 *Basilina* spp.); Hase 1931a (*Basilina*); Hennig 1952 (comprehensive review), 1965 (mouthparts, respiratory system); Hurka 1963 (1 *Phthiridium*, 4 *Nycteribia* spp., w. key); Jobling 1949b (*Aspidoptera*); Maa 1965a (*Ascodipteron*); Marshall 1970 (1 *Basilina*, 1 *Nycteribia*, 2 *Penicillidia* spp.); Muir 1912 (1 *Cyclopodia*, 1 *Eremoctenia*, 1 *Nycteribosca*, 2 *Nycteribia*, 2 *Ascodipteron* spp.); Osten Sacken 1881a (Nyct. indet., Ceylon); Rodhain et al. 1915 (*Cyclopodia*); Ryberg 1939 (1 *Basilina*, 2 *Nycteribia* spp.), 1947 (2 *Nycteribia*, 1 *Penicillidia*, 1 "*Eucampsipoda*"; plus colln. of drawings of previously described larvae & puparia); Scott 1908 (*Penicillidia*), 1934 (*Nycteribia*), 1936 (*Basilina*); Speiser 1900e (*Nycteribosca*), 1901 (1 *Nycteribia*, 1 *Penicillidia* sp.); Theodor 1954b (*Ascodipteron*), 1968b (5 *Ascodipteron* spp.); Theodor & Moscona 1954 (*Ascodipteron*); Westwood 1835, 1840a (*Cyclopodia*).

****Host Relationships.** Aellen 1963 (influence, host hibernation); Annandale 1903 (host size vs parasite size); Balcells 1956a (host preference, Eur. Nyct.), 1967 (influence, ecological groups of hosts);

Grulich et al. 1955 (host specificity, Czechoslovakian Nyct.); Guimaraes 1946 (host rec. summation, S. Amer. *Basilina*); Guimaraes et al. 1956 (host rec. summation & host-parasite systematic concordance, Amer. *Basilina*); Hurka 1964a (host rec. summation, Eur. Nyct.); Jeannel 1943 (effects, host roosting habits); Jobling 1939b, 1954a (host rec. summation, Afr. Streb.), 1938, 1949c (same, Amer. Streb.), 1951 (same, Oriental Streb.); Maa 1968c (host preference, Afr. spp.); Phillips 1924 (host specificity, Ceylonese spp.); Ross 1961 (host preference, N. Amer. *Trichobius*); N. C. Rothschild 1916 (convergent development); Scott 1917 (host relations, Nyct.), 1925 (host rec. summation, Indian & Ceylonese Nyct.); Stefanelli 1942a, b (experimental parasitism, Nyct.), 1942d, e (host-parasite systematic concordance, Italian Nyct.); Stiles et al. 1931 (bats-batflies intercrossing index); Theodor 1957a (parasitic adaptation, host preference), 1957b (host specificity, Afr. Nyct.), 1963 (same, Philippine Nyct.), 1967b (host relations, Nyct.), 1968b (host specificity, Afr. Streb.); Theodor & Moscona 1954 (same, Israeli batflies); Wenzel & Tipton 1966 (host relations, Amer. batflies); Wenzel, Tipton & Fowler 1966 (host rec. summation, Amer. Streb.); Wenzel, Tipton & Kiewlicz 1966 (host specificity, interspecific competition, host-parasite systematic concordance, Amer. Streb.)

****Bionomics.** Balcells 1956a (puparial period, *Basilina*, Spain); Barbour 1910 (*Ascodipteron*, Amboina); Bezzi 1893, 1897 (general remarks); Eads et al. 1957 (man-attacking Streb.); Hardenberg 1927, 1929 (sex ratio, larval nutrition etc.); Hagen 1951 (larval development); Hase 1931a (*Basilina*, Venezuela), 1931b (cohabitation w. fleas, *Basilina*); Jobling 1939b (life history, *Ascodipteron*); Kirschenblatt 1936 (Nyct. in bird's nest); Leong et al. 1968 (*Eucampsipoda*, Malaya); Leuckart 1858 (larval development); McClure et al. 1967 (man-attacking & light attraction, Streb.); Marshall 1970 (*Basilina*, Malaya); Muir 1911, 1912 (*Ascodipteron*, Amboina & Australia); Nordberg 1936 (Nyct. in bird's nest); Oudemans 1939 (viviparism, Nyct.); Rodhain et al. 1915 (*Cyclopodia*, Congo); Ross 1959 (population dynamics, N. Amer. *Trichobius*); Ryberg 1939, 1947 (*Basilina* & *Nycteribia*, Sweden); Schulz 1938 (*Nycteribia*, Germany); Scott 1917 (general remarks, Nyct.); Speiser 1900d (same, Streb.); Tennent 1859 (movement mechanism, *Basilina*); Thompson 1937c (census, Ceylonese forms); Ulrich 1922 (*Cyclopodia*, S. Tomé).

Symbiotic Bacteria; Rickettsia. Aschner 1931 (*Rickettsia* in *Nycteribia*, bacteria in *Nycteribia* etc.), 1946 (bacteria in *Eucampsipoda*).

Parasitic Fungi. Balcells 1956a, 1968b; Brauer 1871; Diesing 1859; Kolenati 1856a, 1857b; Leuckart 1861; Peyritsch 1871; Ryberg 1947; Scott 1914a, c, 1925, 1936a; Speiser 1900c, 1901; Thaxter 1896, 1901, 1908 (rev.)

Parasitic Haemoflagellates. Anciaux 1965 (batflies as possible vectors, Congo); Chattan 1909 (*Crithidia* n. sp. ex *Cyclopodia*, India); Corradetti 1936 (*Crithidia* n. sp. ex *Nycteribia*, Italy); Najere 1945 (hosts, Spain); Reichenow 1940 (*Crithidia* n. sp. ex *Penicillidia*, Tanzania).

Parasitic Haemosporidia. Anciaux 1965 (batflies as possible vectors, Congo); Bearup et al. 1947 (negative findings in *Cyclopodia*, Australia); F. L. Dunn 1965 (Streb. as most likely vectors, oocyst-like structure detected in midgut, Malaya); Gernham 1966 (Nyct. as possible vectors of *Nycteria medusiformis*); Mackie 1914 (negative findings in *Cyclopodia*, India); Mer et al. 1947 (*Penicillidia* infected by *Polychromophilus*, Israel); Schingarew 1906 (negative findings in Nyct. ex *Myotis* & *Mimiopterus*, Russia).

Phoretic Laelapid Mites. Domrow 1961, 1963 (*Neolaelaps* ex *Cyclopodia*, Bismarck Arch., Australia); Ratcliffe 1931 ("mites" ex *Cyclopodia*, Australia); Scott 1908a (*Leioognathus* mite ex *Cyclopodia*, Ceylon).

Parasitic Chalcid Wasps. Waterston 1922 (*Eupelmus* n. sp. ex *Cyclopodia* puparia, S. Tomé).

Nomenclature. Aellen 1956 (nom. nud.); Agassiz & Loew 1846 (*Nycterobia* for *Nycteribia*); Bequaert 1953b (Hardenberg's nom. nud., syn.); Colless 1970a (nom. nud.); Collins 1931 (*Nycteribia* vs *Spinturnix*); Coquillett 1910 (type-species, g.) Gervais 1843 (nom. nud.); Hardenberg 1927, 1929 (nom. nud.); Hiregaudar et al. 1964 (nom. nud.); Int. Comm. Zool. Nomen. 1936 (*Nycteribia* on Official

List; *vespertilionis* invalidated for that in g. *Acarus*, *Pediculus*, *Nycteribia*, *Strebla* etc.); Maa 1965b (*Phthiridium* vs. *Stylidia*); MacLeay 1821 (*Phthiridion* for *Phthiridium*); Muir 1911, 1912 (nom. nud.); Musgrave 1925 (subg., *Nycteribia*), 1930 (*Nycteribia* vs. *Spinturnix*); Oudemans 1926, 1929 (*Acarus vespertilionis*, *Pediculus vespertilionis*, identity); Ryberg 1929 (*Pediculus vespertilionis*, status); Sanborn et al. 1953 (nom. nud.); Schiner 1853b (*Nycteribia vespertilionis*, syn.); Sherborn 1932 (emendations of endings of certain names); Speiser 1901 (*Pediculus vespertilionis*, identity); Theodor 1952, 1953 (nom. nud.), 1968b (*Phthiridium* vs. *Stylidia*; Brachytarsininae); Theodor & Moscona 1954 (*Nycteribia* & related g.; nom. nud.); Theodor & Peterson 1964 (nom. nud.); Thompson 1936a (*Celeripes* vs. *Stylidia*); Wenzel, Tipton & Kiewlicz 1966 (*Hippobosca vespertilionis* Fabr., neotype designated).

****Phylogeny; Suprageneric Classification.** Acloque 1897; Audouin & Milne-Edw. 1828; Bequaert 1953b, 1954; Bigot 1852, 1885; Billberg 1820; Blanchard 1840, 1845; Brues 1904; Burmeister 1837; Crampton 1942; Desmarest 1869; Disconzi 1865; Frauenfeld 1855; Giglioli 1864; Gistel 1848; Guimaraes et al. 1956; Handlirsch 1925; Hennig 1941b, 1952, 1958, 1965; Jobling 1928, 1929, 1936a; Q. C. Kessel 1925; Latreille 1796, 1809, 1825, 1836; Maa 1965b; Macquart 1835; Massonnet 1909; Newman 1834; Olfers 1816; Paramonov 1951; Pessoa & Guimaraes 1941; Rohdendorf 1961; Rondani 1879; N. C. Rothschild 1916; Samouelle 1819a; Speiser 1900b, 1908b; Theodor 1957a, 1964, 1967b; Townsend 1891, 1897; Waterhouse 1879; Weidner 1958; Wenzel, Tipton & Kiewlicz 1966; Westwood 1834, 1835.

Catalogues. Aldrich 1905, 1907 (N. Amer.); Bedford 1927, 1932, 1936 (Ethiopian); Bezzi 1893 (Eur.), 1905 (Palearctic), 1908 (Afr.), 1916 (brachypterous & apterous forms); Bigot 1892 (Oriental); Costa Lima 1921 (Amer. Streb.); Grunberg 1907 (former German colonies); Guimaraes et al. 1956 (*Basilina*); Hurka 1964a (Eur. Nyct.), 1965 (W. Afr. Streb.); Maa 1965b (name list, g. & spp.); Osten Sacken 1878 (N. Amer.), 1881b (Malay Arch.); Schuurmans Stkh. 1951a (*Guimaraesia*); Scott 1936a (*Basilina*); Speiser 1908 (different Regions); Stiles et al. 1931 (world); Thompson 1937a (C. Pacific); v. d. Wulp 1896 (S. Asian); Wenzel 1965a (N. Amer. Streb.), 1965b (N. Amer. Nyct.); Wolf 1938 (cavernicolous forms); Zumpt 1966 (Ethiopian).

****Generic Keys.** Bedford 1927, 1932 (Ethiopian); Bequaert 1940, 1942 (Amer. Streb.); Costa Lima 1921 (Amer. Streb.); Curran 1934a, b, 1935 (Amer. Streb.); Hiregaudar & Bal 1958 (Oriental); Jobling 1939a, 1949c (Amer. Streb.); Stiles et al. 1931 (world); Williston 1885, 1896, 1908 (N. Amer.); Zumpt 1966 (Ethiopian).

Revisions. Curran 1935 (Amer. *Basilina* & *Trichobius*, keys); Del Ponte 1944 (Amer. *Basilina*, key); Guimaraes 1938a (S. Amer. *Trichobius*, key), 1946 (S. Amer. *Basilina*); Guimaraes et al. 1956 (Amer. Nyct.); Jobling 1930 (*Raymondia*), 1934 (*Nycteribosca*), 1936b (*Trichobius*), 1939b, 1954a (Afr. Streb.), 1949 (*Aspidoptera*), 1951 (Oriental Nycteriboscinae, key); Q. C. Kessel 1925 (Streb.); Kolenati 1856c, 1863 (Streb.-Nyct.), 1857 (Nyct., key); Maa 1965a (Afr. *Ascodipteron*), 1966 (Cyclopodiinae pt.); Machado 1966 (*Pterellipsis*); Paramonov 1951 (*Nycteribosca*, key); Peterson 1960 (N. Amer. Nyct., keys to ♂ ♀); Speiser 1900b (Streb.), 1900c (*Cyclopodia*, key), 1901 (Nyct.); Theodor 1954a, b (W. Palearctic), 1955 (*Eucampsipoda*, *Dipseliopoda*), 1957 (Ethiopian Nyct.), 1959 (*Cyclopodia*), 1967b (Nyct.), 1968b (Ethiopian Streb.); *Raymondia*, infrageneric grouping); Theodor & Moscona 1954 (W. Palearctic); Wenzel, Tipton & Kiewlicz 1966 (Amer. Streb.); Westwood 1834, 1835 (Nyct.)

****Zoogeography.** Balcells 1967, 1968a, b; Bodenheimer 1937; Guimaraes 1946; Guimaraes et al. 1956; Hurka 1962, 1964a, 1969; Hurka & Povolny 1968; Jobling 1951; Maa 1967b; Scott 1917, 1925, 1932a; Speiser 1908c; Theodor 1952; Theodor & Moscona 1954.

****Faunistics, Individual Countries.** Countries arranged more or less in the order from the Palearctic to the Ethiopian, Oriental, Australian, Nearctic and Neotropical Regions and from the west to east and north to south.

NORWAY: Collett 1911.

SWEDEN: Fabricius 1775, 1781, 1794, 1805; Fallen 1818; Gmelin 1790; Linnaeus 1758, 1761, 1767; Ryberg 1929 (rev.), 1939, 1947; Widmark 1907; Zetterstedt 1848, 1860.

- DENMARK: Ryberg 1929.
- FINLAND: Frey 1919; Nordberg 1936; Palmén 1874; Ryberg 1929.
- RUSSIA: (incl. Asian portion): Arzamasov et al. 1962 (Belorussia); Bogdanov 1953 (Uzbek); Dogiel 1964 (Leningrad); Dubovcenko 1968 (Azerbaijan); Hurka 1962 (Uzbek, W. Caucasus), 1964b (Russia), 1969 (Turkmenia, Uzbek, Kirghiz, E. Kazakstan); Kirschenblatt 1936 (Russia); Markova 1938 (Leningrad); Pliginskij 1927 (Crimea); Ryberg 1929 (Ural); Schingarew 1906 (Russia); Siebold 1837 (E. Prussia); Stackelberg 1928 (Turkmenia); Tatarinov 1956 (Ukraine); Wiedemann 1818 (no locality, perhaps Russia).
- BRITISH ISLES: Ash 1955; Audcent 1934, 1950; Beaulah 1885; Brunetti 1888; Carlisle et al. 1960 (Ireland); Chapman et al. 1912; Charbonnier 1912, 1920; Colyer et al. 1951; Coward 1907; Curtis 1829, 1831; W. Evans 1904; Fordham 1945; George 1954, 1957, 1958; Gilbert 1949, 1951; Grimshaw 1901, 1906; Hardy 1914; Hazelton 1959, 1960, 1965; Hazelton et al. 1947; Hesketh 1951, 1954; Hooper 1964; Hooper et al. 1950, 1956; Humphries 1959; Kelsall 1887; Kloet et al. 1945; Leach 1816, 1817; Matthews 1952; Montagu 1808, 1815; Morris 1865; Newman 1834; Oldham 1896, 1912; O'Mahony 1939; Pearce 1921; Smart 1939; Staveley 1871; Stebbings 1966; Stephens 1829a, b; Thompson 1935, 1936a, b, 1937b (cat.), 1938, 1961, 1962; Verrall 1888; Walker 1853; Walsh 1928; Westwood 1834, 1835, 1840b; White 1853; Wingate 1906; Wood 1872; Woodroffe et al. 1951; Yerbury 1919.
- NETHERLANDS: Bels 1940, 1941; Bels & Bels 1939; Schmitz 1909; Schuurmans Stkh. 1955 (rev.); Schuurmans Stkh. & Broek 1969 (rev.); v. d. Wulp et al. 1898.
- BELGIUM: Aellen 1955; Anciaux 1950; Collart 1933; Leruth 1939; Plateau 1873; v. Beneden 1872.
- GERMANY: Bau 1929; Czwalina 1893; Eisenstraut 1937; Enderlein 1936; [Frisch 1728]; Gurtl 1857; Hurka 1964b; Karaman 1939b, 1947; Klugkist 1909; Koch 1865; Neuhaus 1886; Nitzsch 1803; Schrank 1803; Schreckenstein 1802; Schulz 1938; Speiser 1900a; Wegelin 1933; Weidner 1958; Westwood 1834, 1835.
- POLAND: Czwalina 1893; Hurka 1964b; Kozłowski 1956; Skuratowicz 1962; Speiser 1900a, c.
- FRANCE: Acloque 1897; Aellen 1949, 1955; Balazuc et al. 1951; Beaucournu 1961, 1962a, b; Beaucournu et al. 1963; Bezzi 1903; Bitsch 1957 (key); Didier et al. 1953; Dufour 1831; Falcoz 1923b, 1924, 1926 (rev.), 1931; Hermann 1804; Jeannel 1926; Larrousse 1928; Latreille 1796; Leach 1817; Leclercq et al. 1950; E. Olivier 1905; Risso 1826; Seguy 1935, 1936 (rev.), 1951; Theodorides 1954; v. Heerdts et al. 1959; Westwood 1834, 1835.
- SWITZERLAND: Aellen 1949, 1955, 1963 (rev.); Ferris 1923; Galli-Valerio 1921, 1935; Maa 1962.
- CZECHOSLOVAKIA: Absolon 1899; Chalupsky 1956; Dalla Torre 1878; Diesing 1859; Dudich 1924, 1925; Grulich et al. 1955 (rev.), 1956; Hurka 1957, 1958a, 1959a, b, 1964b; Hurka & Chalupsky 1956; Kolenati 1856b; Sebek 1958a, b, 1962; Vanura 1942.
- AUSTRIA: Falcoz 1923b; Karaman 1939a; Peyritsch 1871; Rossi 1848; Schiner 1864b; Speiser 1900c.
- HUNGARY: Dudich 1924, 1925 (rev.), 1932; Hurka 1962, 1964b; Kertész 1910; Soos 1955 (rev.); Thallhammer 1918.
- ROMANIA: Decu-Burghel 1962a, b; Diesing 1859; Dudich 1925; Peyritsch 1871; Speiser 1900c; Thallhammer 1918.
- YUGOSLAVIA: Decu-Burghel 1962a; Diesing 1859; Hamann 1896; Hurka 1964b; Joseph 1882; Karaman 1936 (rev.), 1961; Schiner 1853a, 1854; Speiser 1900c.
- ITALY: Aellen 1955; Baggini 1961; Bezzi 1891, 1892; Bezzi et al. 1897; Bianchi et al. 1949; Boldori 1927, 1963; Conci 1952; Conci et al. 1953; Corradetti 1934, 1936; Dinale 1958, 1962; Dinale et al. 1963, 1966; Disconzi 1865; Ferris 1930; Fiori 1880; Franciscolo 1950, 1951, 1955; Ghidini 1934; Greca 1946; Hurka 1964b; Klammer et al. 1954; Krausse 1911; Lanza 1947, 1948, 1950, 1952, 1959 (cat.), 1961; Lanza et al. 1953; Liroy 1895; Menozzi 1939; Pavan 1937, 1941; Petagna 1792; Ricci 1953, 1954; Risso 1826; Rondani 1879; Ruffo 1938, 1957; Sacca et al. 1949; Sanfilippo 1950; Stefanelli 1942a-f, 1949; Westwood 1834, 1835.

- ALBANIA: Hurka 1962, 1963b.
- BULGARIA: Gueorguiev et al. 1962; Hurka 1958b, 1962; Karaman 1939a
- GREECE: Aellen 1955; Bau 1929; Chalupsky 1956; Hurka 1964b; Pieper 1965.
- TURKEY: Aellen 1955; Hurka 1964b; Theodor 1956.
- PORTUGAL: Arias 1912b; Braga 1941; Decu-Burghelle 1952a; Sala Castel. 1956.
- SPAIN: Aellen 1955; Arias 1912a, b; Balcells 1952, 1954, 1955, 1956a, b, 1959a, b, 1961, 1963, 1964, 1965, 1967 a, b, 1968a, b; Czerny et al. 1910; Decu-Burghelle 1962a; Falcoz 1923b; Gil Collado 1932 (rev.), 1933, 1934; Najere 1945; Nowicki 1873; Strinati 1953.
- MOROCCO: Aellen 1952, 1955; Falcoz 1924; Seguy 1930.
- ALGERIA: Aellen 1955; Falcoz 1923b, 1925; Seguy 1933.
- TUNISIA: Karaman 1939a; Vermeil 1960; Weiss 1911.
- EGYPT: Aschner 1946; Becker 1903; Frauenfeld 1856a, b, 1857a, b; Hurka 1964b; Jobling 1952, 1954a; Karaman 1939a; Maa 1965a; Macquart 1851; Scott 1925; Speiser 1900c; Thaxter 1901, 1908; Theodor 1956.
- CYPRUS: Bequaert 1953a; Theodor 1956.
- LEBANON: Aellen 1955; Lewis et al. 1962.
- SYRIA: Hurka 1964b.
- PALESTINE: Bodenheimer 1937; Friedmann 1964; Jobling 1952; Mer et al. 1947; Theodor 1956; Theodor & Costa 1967; Theodor & Moscona 1954.
- IRAN: Maa 1968c.
- AFGHANISTAN: Aellen 1959; Hurka & Povolny 1968.
- CHINA PROPER: Ferris 1930b; Giglioli 1864; Hsu 1935, 1936; Hurka 1969; Jobling 1951; Maa 1962, 1969a; Macquart 1843; Schuurmans Stkh. 1931b; Scott 1925, 1936a; Swinhoe 1870; Walker 1849; Westwood 1834, 1835; Wu 1940 (cat.)
- MONGOLIA: Theodor 1966a; Zovtyj et al. 1962.
- KOREA: Maa 1968e.
- JAPAN: Esaki 1938, 1950; Kishida 1928, 1932a, b; Maa 1967b (rev.); Marumo 1927; Matsumura 1931; Miyake 1919; Sasakawa 1960, 1965; Scott 1936a; Tokunaga 1932.
- RYUKYU IS.: Jobling 1951; Maa 1967b.
- SENEGAL: Camicas 1968; Falcoz 1924; Gervais 1843; Seguy 1930.
- GAMBIA: Theodor 1956.
- GUINEA (former "French Guinea"): Aellen 1956; Hurka 1965; Jobling 1956.
- SIERRA LEONE: Bequaert 1953a; Jobling 1949a, 1952, 1954a; Karaman 1947; Theodor 1956, 1968a.
- LIBERIA: Bequaert 1953a; Theodor 1956.
- IVORY COAST: Bigot 1891; Jobling 1956; Maa 1962; Speiser 1902a; Theodor 1956.
- GHANA: Theodor 1956, 1968a
- DAHOMY: Falcoz 1924; Scott 1922; Theodor 1956.
- NIGERIA: Jobling 1954a; Maa 1968c; Oldroyd 1953; Theodor 1956.
- CAMEROONS: Jobling 1954b; Karaman 1947; Maa 1962; Scott 1922; Theodor 1956.
- GULF OF GUINEA: Enderlein 1901 (Rolas); Hurka 1964b (Rolas); Karsch 1884 (Rolas); Theodor 1968a (Principe I., S. Tomé); Urich 1922 (S. Tomé); Waterston 1922 (S. Tomé).
- CONGO (former "Belgian Congo"): Anciaux 1958, 1959, 1960, 1965; G. M. Allen 1939; Benoit 1964;

- Bequaert 1953a; Hurka 1964b; Jobling 1936a, 1954a (rev.), 1955; Rodhain et al. 1915; Theodor 1956, 1968a; v. Riel et al. 1948; Vermeil 1965.
- SUDAN: Becker 1922; Jobling 1954a; Theodor 1956.
- ETHIOPIA (Abyssinia): Bezzi 1915; Monticelli 1898; Theodor 1956.
- SOMALIA: Bezzi 1915; Jobling 1931; Reichenow 1940.
- ARABIA: Hurka 1964b; Jobling 1957, 1958; Sanborn et al. 1953; Sharp 1901.
- UGANDA: Ferris 1930b; Jobling 1954a; Theodor 1956, 1968a.
- KENYA: Falcoz 1923b; Hurka 1964b; Jobling 1939b, 1940, 1954a; Theodor 1956.
- TANZANIA: Aders 1917; Falcoz 1923b, 1924; Hurka 1964b; Jobling 1931, 1936a; Karaman 1939b; Loveridge 1923; Morstatt 1913; Speiser 1907c, 1924; Theodor 1956, 1968a.
- ANGOLA: Jobling 1954a; Theodor 1956.
- MALAWI: Jobling 1954a; Theodor 1956.
- S. AFRICA (incl. SW Africa, Rhodesia, Bechuanaland): Cuthbertson 1937; Ferris 1930b; Fiedler 1954; Hurka 1964b; Jobling 1931, 1954a, 1959; Karaman 1939a; Lavoipierre 1946; Maa 1968c; Scott 1925; Speiser 1902a, 1908a; Theodor 1956; Trimen 1878; Walker 1849; Zumpt 1950.
- MOZAMBIQUE: Maa 1968c; Theodor 1968a.
- MADAGASCAR (incl. Aldabra Is., Comoro Is.): Falcoz 1931; Hurka 1964b; Jobling 1952; Karaman 1947; Maa 1968c; Scott 1914b (Assumption I.); Speiser 1908b; Theodor 1956, 1968a.
- MAURITIUS: Leach 1817; Latreille 1818; Theodor 1956; Westwood 1834, 1835.
- MALDIVE ARCH.: Enderlein 1901.
- PENINSULAR INDIA, W. PAKISTAN: Bal et al. 1949; Chatton 1909, Choudhuri et al. 1965; Falcoz 1924; Freeman 1885; Hiregaudar et al. 1955, 1956 (rev.); Karaman 1947; Maa 1962, 1968a; Mackie 1914; Maxwell-Lefroy et al. 1909; Mukerji et al. 1954; Schiner 1868; Scott 1908b, 1914a, 1917, 1925; Speiser 1903; Theodor 1956, 1963; Walker 1849; Westwood 1834, 1835, 1839.
- CEYLON: Fletcher 1906; Green 1911; Hurka 1964b; Maa 1962; Motschulsky 1863; Phillips 1924; Schiner 1868; Scott 1908a, 1914a, 1925, 1936a; Senior-White 1923; Tennent 1859, 1861; Theodor 1956, 1963; Thompson 1937c.
- E. PAKISTAN, ASSAM: Awati 1922; Patton 1924; Scott 1925.
- BURMA: Bequaert 1953a; Jobling 1951; Schuurmans Stkh. 1939; Scott 1914a, 1925; Speiser 1903; Theodor 1968a.
- THAILAND: Maa 1962, 1968a; Scott 1914a; Speiser 1903; Theodor 1956.
- CAMBODIA: Maa 1962.
- VIETNAM: Maa 1962.
- TAIWAN: Hennig 1941a (cat.); Karaman 1939a, b; Maa 1962; Schuurmans Stkh. 1928; Scott 1908, 1914c; Theodor 1963; Wu 1940 (cat.)
- PHILIPPINES: G. M. Allen 1939; Ferris 1924a, b, 1925a, b; Hurka 1964b; Jobling 1951; Maa 1962, 1966, 1968a; Scott 1917; Theodor 1963, 1966b, 1968a; Walker 1849.
- BORNEO: Banks 1911; Maa 1962, 1966, 1968a; Schuurmans Stkh. 1941a, 1942, 1958; Scott 1914b (Labuan); Shelford 1916; Theodor 1956, 1968a; Theodor & Peterson 1964.
- MALAYA, SINGAPORE: Bullock 1965; F.L. Dunn 1965; Jobling 1951; Maa 1962, 1966, 1968a; McClure 1965; McClure et al. 1967; Pendlebury 1929; Theodor 1968a; Theodor & Peterson 1964.
- SUMATRA, SIMALUR: Edwards 1919; Ferris 1925a; Jacobson 1912; Schuurmans Stkh. 1941a, 1942, 1958; Schuurmans Stkh. & Hardenberg 1939; Scott 1914a, 1917, 1936a; Theodor 1956, 1968a; v. d. Wulp 1892.

- JAVA, BALI: Adensamer 1896; Bequaert 1953b (*Cyclopodia plenocena*, status); Falcoz 1931; Hurka 1964b; Karaman 1939b; Maa 1962, 1966; Meijere 1899a, b, 1912; Rondani 1878; Schuurmans Stkh. 1932, 1942, 1951b, 1952a; Schuurmans Stkh. & Hardenberg 1939; Theodor 1956.
- LOMBOK, FLORES, SUMBA, KOMODO, TIMOR: Bau 1930a; Hurka 1964b; Maa 1962, 1966.
- CELEBES: Ferris 1925a; Maa 1962, 1966, 1968a; Walker 1861, 1868.
- MOLUCCA IS.: Barbour 1910; Bequaert 1942a, 1953b; Maa 1962, 1966; Muir 1911, 1912; Rondani 1878; Scott 1914a, 1925, 1932; Speiser 1907a; Theodor 1968a; Walker 1861b, 1868.
- NEW GUINEA (incl. Bismarck Arch., Salawati, Timorlaut, Key Is., Fergusson I.): Enderlein 1901; Hurka 1964b; Jobling 1951; Maa 1962, 1966, 1968b; Schuurmans Stkh. 1958, 1959; Scott 1932b; Speiser 1900c, 1902b; Thaxter 1901, 1908; Theodor 1956, 1966b, 1968a; Thompson 1937a; Thompson et al. 1938; Zwart 1959.
- AUSTRALIA: Bearup et al. 1947; Colless 1970a, b; Dew 1963; Falcoz 1921, 1923a; Ferris 1924c; Froggatt 1907; Hughes 1960; Jobling 1936b, 1951; Maa 1962, 1966; Muir 1912; Musgrave 1925, 1927 (*Nycteribia*, key); Paramonov 1951; Rainbow 1904; Ratcliffe 1931; Rudow 1871, 1872; Scott 1914a, 1932b; Speiser 1902a, b; Thompson et al. 1938; Theodor 1956.
- SOLOMON IS.: Jobling 1934b; Maa 1962, 1966, 1968a; Matheson 1945; Scott 1937; Thompson 1937a.
- NEW HEBRIDES: Falcoz 1924; Maa 1962, 1968b; Scott 1932a; Thompson 1937a.
- NEW CALEDONIA, LOYALTY IS.: Bigot 1860, 1885; Falcoz 1921, 1923a, 1924; Hamilton-Smith 1965; Hurka 1964b; Jobling 1951; Maa 1962; Schuurmans Stkh. 1959; Speiser 1902a; Thompson 1937a.
- FIJI: Jobling 1936b, 1951; Karaman 1939a; Lever 1941, 1942, 1944; Maa 1962, 1966, 1968d; Scott 1932b; Thompson 1937a.
- SAMOA: Falcoz 1927; Ferris 1916; Lever 1944; Maa 1962, 1966; Thompson 1937a.
- TONGA: Bau 1929.
- CAROLINE IS.: Hurlbut 1949; Maa 1967a; Theodor 1967a.
- CANADA: Peterson 1960, 1963; Spencer 1937, 1940.
- UNITED STATES OF AMERICA: Augustson 1943; Augustson et al. 1953; Barr et al. 1967; Bond et al. 1958; Bradshaw et al. 1961; Brues 1904; Byers et al. 1962; Cockerell 1910; Coquillett 1899, 1900; Dalquest 1947; Eads et al. 1948, 1957; Essig 1926; Ferris 1916, 1924d, 1928; Fox et al. 1953; Hansen 1964; Holdenried et al. 1951; D. H. Hubbard 1901; Hunter 1914; Jameson 1959; Jones et al. 1967; E. L. Kessel 1952; Kohls et al. 1948; Krutzsch 1955; Morlan 1952; Orr 1954; Packard 1886; Parmalee 1955; Peterson 1960, 1963; Reddell 1961, 1964, 1966; Ross 1959, 1960a, b, 1961; Roth 1951; Rozeboom 1934; Ryckman 1956; Sealander et al. 1955; Smith 1934; Stabler et al. 1952; Stock 1961; Theodor & Peterson 1964; Townsend 1893; Ubelaker 1966; Whitaker 1957; Zeve 1959, 1960; Zeve et al. 1962, 1963a, b.
- MEXICO: Barrera 1958; Bequaert 1933; Byers et al. 1962; Guimaraes 1941; Hoffmann 1944, 1953 (rev.); Hunter 1914; Jobling 1939c; Maa 1968b; Macquart 1852; Pearse 1938; Reeder et al. 1954; Rondani 1878; Ross 1959; Ryckman 1956; Ryckman & Ryckman 1963; Scott 1936a, 1939; Speiser 1902a; Townsend 1891, 1892; v. d. Wulp 1903.
- GUATEMALA: Dybas et al. 1947; Peterson 1960.
- EL SALVADOR: Starrett et al. 1964.
- NICARAGUA: Starrett et al. 1964.
- COSTA RICA: Guimaraes 1940; Scott 1936a; Starrett et al. 1964; Toon et al. 1963.
- W. INDIES: Anthony 1925 (Puerto Rico); Bau 1929 (Cuba); Bequaert 1953b (*Strebla avium*, status); Cockerell 1894 (Jamaica); Coquillett 1899 (Jamaica, P. Rico, Montserrat), 1900 (P. Rico); Edwards 1918 (Trinidad); Goodwin et al. 1961 (Trinidad, Tobago, cat.); Gowdey 1926

- (Jamaica); Hurka 1970a (Cuba); Jobling 1939b (Dominica, Bahamas), 1949c (Trinidad); Johnson 1964 (Jamaica); Macquart 1855 (S. Domingo = Dominica); Matheson 1928 (Cuba); Newstead 1909 (Jamaica); Root 1922 (P. Rico); Schuurmans Stkh. 1928 (Cuba), 1941b (Leeward Is.); Seguy 1926 (Martinique I.); Silva 1965 (Cuba); Tamsitt & Fox 1970 (P. Rico); Tamsitt & Valdivieso 1970 (P. Rico); v. Volkenberg 1939 (P. Rico); Wolcott 1923, 1936, 1948 (P. Rico).
- PANAMA: Bequaert 1940; Caudell 1924; Curran 1935; Guimaraes 1941, 1966 (*Basilis*, key); Jobling 1936a, 1939c; Q. C. Kessel 1924; Wenzel & Tipton 1966; Wenzel, Tipton & Fowler 1966; Wenzel, Tipton & Kiewlicz 1966 (rev., Streb.)
- COLOMBIA: Bequaert 1940 (cat.); Q. C. Kessel 1924; Peterson et al. 1970b; Tamsitt & Fox 1970; Waterhouse 1879.
- VENEZUELA: Bequaert 1942a, b (cat.), 1953b; Hase 1931a, b; Hurka 1964b; Karaman 1947; Machado 1963, 1966; Matheson 1945; Rudow 1871, 1872; Schuurmans Stkh. 1931.
- GUIANA: Curran 1934a; Falcoz 1924; Gervais 1843, 1844; Peterson 1960; Tamsitt & Fox 1970.
- ECUADOR: Q. C. Kessel 1924.
- PERU: Jobling 1947; Q. C. Kessel 1924; Schuurmans Stkh. 1952b; Theodor & Peterson 1964; Townsend 1913.
- BOLIVIA: Q. C. Kessel 1924.
- BRAZIL: Bau 1929; Bequaert 1926, 1942a, 1953b; Costa Lima 1921; Fabricius 1805; Falcoz 1931; Gervais et al. 1859; Guimaraes 1938b, 1941, 1942, 1943, 1944a; Hurka 1964b; Jobling 1939a, 1952; Q. C. Kessel 1924; Maa 1968b; Machado 1967; Miranda Rib. 1905, 1907; Perty 1833; Pessoa & Ayrosa 1936a, b, 1937; Pessoa & Guimaraes 1937, 1941; Scott 1940; Wiedemann 1824.
- PARAGUAY: Brethes 1908 (cat.); Coquillett 1907; Ferris 1923; Jobling 1939c; Schuurmans Stkh. 1928; Scott 1936a.
- URUGUAY: Peterson et al. 1970a.
- CHILE: Bequaert 1926; Brethes 1913; Reed 1904; Stuardo 1946.
- ARGENTINA: Bau 1930b; Bequaert 1926; Brethes 1908 (cat.); Del Ponte 1944; Garcia 19 ; Mazza et al. 1939; Schuurmans Stkh. 1951b; Seguy 1926; Weyenbergh 1881.