

Appendix

Subgenus Culex Linnaeus 1758

1758. Culex Linnaeus, Systema Naturae, ed. 10, 1 : 602. Type species:
C. pipiens Linnaeus, 1758, Europe; the first of 6 included species;
 selection of Latreille (1810 : 442).
1891. Heteronycha F. Lynch Arribalzaga, Rev. Mus. La Plata 1 : 373,
 2 : 155. Type species : Heteronycha dolosa F. Lynch Arribalzaga.
 By monotypy.
1903. Lasioconops Theobald, Monog. Culicidae 3 : 235 - 236. Type
 species : L. poecilipes Theobald, 1903, West Africa; Monobasic.
1903. Heptaphlebomyia Theobald, Monogr. Cul. 3 : 336. Type species :
Heptaphlebomyia simplex Theobald. By monotypy.
1905. Pseudoheptaphlebomyia Ventrillon, Bull. Mus. Hist. Nat. Paris
 11 : 427. Type species : Pseudoheptaphlebomyia madagascariensis
 Ventrillon.
1905. Trichopronomyia Theobald, Ann. hist.-nat. Mus. hung. 3 : 98.
 Type species : Trichopronomyia annulata Theobald.
1907. Aporoculex Theobald, Mon. Cul. 4 : 316. Type species :
Aporoculex punctipes Theobald.
1907. Leucomyia Theobald, Mon. Cul. 4 : 372 (preoccupied by Brauer
 and Bergenstamm 1891). Type species : Culex gelidus Theobald.
1907. Oculeomyia Theobald, Mon. Cul. 4 : 515. Type species :
Oculeomyia sarawaki Theobald.
1912. Theobaldiomyia Brunetti, Rec. Indian Mus. 4 : 462. Type species :
Culex gelidus Theobald.

1914. Phalangomyia Dyar and Knab 1914, Insec. Inscit. menst. 2 : 58.
Type species : Phalangomyia debilis Dyar and Knab.
1916. Laiomyia Izquierdo, Tesis Col. Est. Puebla, p. 65. Type
species : Culex stigmatosoma Dyar.
- 1917 (1918). Culex (Transculicia) Dyar, Insec. Inscit. menst. 5 : 184.
Type species : Culex eleuthera Dyar.
1918. Culex (Cacoculex) Dyar, Insec. Inscit. menst. 6 : 100. Type
species : Culex habilitator Dyar and Knab.

Culex (Culex) mimulus Edwards 1915

1915. Culex mimulus Edwards, Bull. ent. Res. 5 : 204 (♂, ♀);
 Barraud 1923, Ind. J. med. Res. 10 : 942 (L*); Barraud 1924,
 Ind. J. med. Res. 11 : 993 (♂); Borel 1926, Arch. Insts.
 Pasteur Indo-chine 3 - 4 : 12 (♂, ♀, L*).
1915. Culex mossmani Taylor, Proc. Linn. Soc. N.S.W. 40 : 181
 (♂, ♀); Edwards 1924, Bull. ent. Res. 14 : 394 (synonymy).
1922. Culex (Culex) mimulus Edwards : Edwards, Ind. J. med. Res.
 10 : 471 (taxonomy); Barraud 1934, Fauna Brit. India, Diptera
 5 : 412 (♂, ♀, L*); Edwards 1934, in Barraud, ibid : 450
 (key); Bonne - Wepster and Brug 1937, Geneesk. Tijdschr. Ned-
 Ind. 77 : 66 (♂, ♀); Baisas 1933, Mon. Bull. Philipp. Hlth.
 Serv. 18 : 214 (♂); Bonne - Wepster and Brug 1939, Geneesk.
 Tijdschr. Ned. - Ind. 79 : 1275 (L*); Lee 1944, Atlas Mosq.
 Larvae Aust. Reg. : 104 (L*); Bonne - Wepster 1954, Roy. trop.
 Inst. Amst. Spec. Publ. 111 : 127 (♂, ♀, L*); Bonne - Wepster
 1954, Doc. Med. Geog. et Trop. 6 : 377 (♂, ♀, L*);
 Safyanova et al. 1964, Zool. Zhur. 43 : 1178 (distribution);
 Delfinado 1966, Mem. Amer. ent. Inst. 7 : 150 (♂, ♀).
1938. Culex (Culex) confusus Baisas, Mon. Bull. Philipp. Hlth. Serv.
 18 : 216 (♂, ♀); Delfinado 1966, Mem. Amer. ent. Inst. 7 : 150
 (synonymy).

Culex (Culex) sinensis Theobald 1903

1903. Culex gelidus var. sinensis Theobald, Mon. Cul. 3 : 180 (♀);
1908. Culex sepositus Leicester, Cul. Malaya : 152 (♀); Edwards
1913, Bull. ent. Res. 4 : 231 (synonymy).
1908. Taeniorhynchus tenax Leicester (not Theobald 1901), Cul.
Malaya : 167 (♀); Edwards 1913, Bull. ent. Res. 4 : 231
(synonymy).
1910. Leucomyia sinensis (Theobald) , Mon. Cul. 5 : 313 (taxonomy);
1913. Culex sinensis Theobald : Edwards. Bull. ent. Res. 4 : 231
(taxonomy); Edwards 1921, Bull. ent. Res. 12 : 337 (♂, ♀);
Barraud 1924, Indian J. med. Res. 11 : 986 (♂*, ♀*).
1913. Culex tripunctatus Mochizuki, Fukuoka Acta med. 7 : 24 (♂,
♀*, E); Edwards 1922, in Wytsman. Genera Insect; fasc. 194 :
203 (synonymy).
1932. Culex (Culex) sinensis Theobald : Edwards, in Wytsman, Genera
Insect., fasc. 194 : 203 (taxonomy); Barraud 1934, Fauna Brit.
India, Diptera 5 : 394 (♂*, ♀, L*); Stackelberg 1937, Fauna de
1' URSS, Ins. Diptera 3 : 231 (♂*); Bonne - Wepster and Brug
1937, Geneesk. Tijdschr. Ned-Ind. 77 : 78 (♂, ♀*); Baisas 1938,
Mon. Bull. Philipp. Hlth. Serv. 11 : 209 (♀, E); Bonne-Wepster
and Brug 1939, Geneesk. Tijdschr. Ned-Ind. 79 : 1274 (L*);
Bahart and Ingram 1946 Navmed 1025 : 71 (♂*, ♀, L*); LaCasse
and Yamaguti 1950, Mosq. Fauna Japan and Korea : 206 (♂*, ♀*,
L*, P*); Menchadskii 1951, Moscow zool. Inst. Akad. Nauk. SSSR
37 : 275 (I ♀); Bonne - Wepster 1954, Rot. trop. Inst. Amst. Spec.
Pub. 111 : 116 (♂, ♀*, L*); Hara 1957, Jap. J. exp. Med.
27 : 55 (♀*); Definado 1966, Mem. Amer. ent. Inst. 7 : 151 (♀).

Culex (Culex) pipiens quinquefasciatus Say 1823

1823. Culex quinquefasciatus Say, J. Acad. nat. Sci. Phila. 3 : 10
(adult).
1828. Culex fatigans Wiedemann, Aussereurop. Zweifl. Insekten 1 : 10
(♂, ♀); Stone 1956 (1957), Proc. ent. Soc. Wash. 58 : 342
(synonymy).
1856. Culex cingulatus Doleschall, Natuurk. Tijdschr. Ned. Ind.
10 : 405 (preoccupied by Fabricius 1805).
1900. Culex doleschallii Giles, Handb. : 338 (new name for cingulatus
Doleschall); Barraud 1934, Fauna Brit. India, Diptera 5 : 420
(synonymy).
1901. Culex fouchowensis Theobald, Mon. Cul. 2 : 137 (♂*, ♀*);
Barraud 1934, Fauna Brit. India, Diptera 5 : 420 (synonymy).
1901. Culex reesi Theobald, Mon. Cul. 2 : 145 (♂*, ♀*); Barraud
1934, Fauna Brit. India, Diptera 5 : 420 (synonymy).
1901. Culex sericeus Theobald, Mon. Cul. 2 : 147 (♀*); Barraud
1934, Fauna Brit. India, Diptera 5 : 420 (synonymy).
1920. Culex hensemaeon Dyar, Insec. Inscit. menst. 8 : 178 (♀);
Edwards 1922, Ind. J. med. Res. 10 : 278 (synonymy).
1924. Culex (Culex) fatigans Wiedemann : Barraud, Ind. J. med. Res.
11 : 1264 (♂*, ♀); Barraud 1924, Ind. J. med. Res. 12 : 430
(L*); Borel 1926, Arch. Insts. Pasteur Indo-Chine 3 - 4 : 24
(♂*, ♀, L*); Barraud 1934, Fauna Brit. India, Diptera 5 : 420
(♂*, ♀, L*); and some other British authors.

1945. Culex (Culex) quinquefasciatus Say : Bohart, U.S. Navmed
580 : 79 (♂, L); LaCasse and Yamaguti 1950, Mosq. Fauna Japan
and Korea : 220 (♂*, ♀*, L*); Belkin 1962, Mosq. S. Pacif. :
195 (♂*, ♀*, P*, L*); and some other American authors.
1959. Culex (Culex) pipiens quinquefasciatus Say : Stone, Knight,
and Starcke, Synoptic Cat. Mosq. Wld. : 254 (systematics) ;
and some other American authors.

For complete synonymy see.

Stone, Knight, and Starcke 1959, Synoptic Cat. Mosq. Wld. :
254, and Stone 1963, Proc. ent. Soc. Wash. 65 : 135.

Subgenus CULICIOMYIA Theobald 1907

1905. Trichorhynchus Theobald, Bombay Nat. Hist. Soc., J. 16 : 241.
Type species : T. fuscus Theobald, 1905, Ceylon; monobasic. -
Preoccupied by Trichorhynchus Balbiani, 1887.
1907. Culiciomyia Theobald, Monog. Culicidae 4 : 227. Type species
C. inornata Theobald, 1907, Sarawak; the first of 6 included
species, selection of Edwards (1912 : 33).
1907. Neomelanoconion Theobald, Mon. Cul. 4 : 514. Type species :
Culex rima Theobald.
1910. Pectinopalpus Theobald, Ann. Mag. nat. Hist. 5 : 375. Type
species : Pectinopalpus fuscus Theobald.
1912. Trichorhynchomyia Brunetti, Indian Mus., Rec. 4 : 477. Type
species : automatically Trichorhynchus fuscus Theobald, 1905.-
Substitute name for Trichorhynchus Theobald, 1905, not Trichor-
hynchus Balbiani, 1887.

Culex (Culiciomyia) pallidothorax Theobald 1905

1905. Culex pallidothorax Theobald, J. econ. Biol. 1 : 32 (♂, ♀).
1907. Culex albopleura Theobald, Mon. Cul. 4 : 456 (♀); Edwards 1913, Bull. ent. Res. 4 : 235 (synonymy).
1910. Culiciomyia annuloabdominalis Theobald, Mon. Cul. 5 : 236 (♂*, ♀*); Edwards 1913, Bull. ent. Res. 4 : 235 (synonymy).
1926. Culiciomyia pallidothorax (Theobald) : Borel 1926, Arch. Insts. Pasteur Indo-Chine 3-4 : 30 (♂*, ♀, L*).
1932. Culex (Culiciomyia) pallidothorax Theobald : Edwards, in Wytzman, Genera Insect. fasc. 194 : 199 (taxonomy); Barraud 1934, Fauna Brit. India, Dipter a. 5, 381 (♂*, ♀, L); Bohart and Ingram 1946, Navmed 1055 : 75 (♂*, ♀*, L*); LaCasse and Yamaguti 1950, Mosq. Fauna Japan and Korea : 182 (♂*, ♀*, L*, P*); Bick 1951, Pacif. Sci. 5 : 419 (ecology); Hara 1957, Jap. J. exp. Med. 27 : 52 (♀*); Lien 1962, Pacif. Ins. 4 : 632 (distribution); Delfinado 1966, Mem. Amer. ent. Inst. 7 : 119 (L*, P).

Subgenus Lutzia Theobald 1903

1903. Lutzia Theobald, Monog. Culicidae 3 : 155. Type species :
Culex bigotii Bellardi, 1861, Mexico; monobasic.
1906. Jamesia Christophers, India Med. Dept., Mem. (2) 25 : 12.
Type species : Culex fuscus Wiedemann, 1820, East Indies;
fixation by Edwards (1932 : 190). - Preoccupied by Jamesia
Jeckel, 1861; the fixation of the type species must be
validated by the International Commission on Zoological
Nomenclature, since it involves a questionable synonymy of
fuscus with concolor Robineau - Desvoidy, 1827, 1 of the
2 included nominal species.



Culex (Lutzia) halifaxii Theobald 1903

1903. Culex halifaxii Theobald, Mon. Cul. 3 : 231 (♀); Edwards 1913, Bull. ent. Res. 4 : 234 (taxonomy).
1908. Culex multimaculosus Leicester, Cul. Malaya : 155 (♂, ♀); Edwards 1913, Bull. ent. Res. 4 : 234 (synonymy).
1910. Culex aureopunctis Ludlow, Canad. Ent. 42 : 195 (♀); Edwards 1922, Indian J. med. Res. 10 : 470 (synonymy).
1921. Lutzia vorax Edwards 1921, Bull. ent. Res. 12 : 327 (♂*); Barraud 1924, Indian J. med. Res. 11 : 975 (♂*, ♀).

NEW SYNONYMY.

1921. Lutzia halifaxi (Theobald) : Edwards, Bull. ent. Res. 12 : 327 (♂); Edwards 1924, Bull. ent. Res. 14 : 391 (distribution); Barraud 1924, Indian J. med. Res. 11 : 975 (♂, ♀); Paine and Edwards 1929, Bull. ent. Res. 20 : 307 (distribution).
1922. Lutzia raptor Edwards, Indian J. med. Res. 10 : 275 (♂); Barraud 1924, Indian J. med. Res. 11 : 974 (♂*).

NEW SYNONYMY.

1932. Culex (Lutzia) halifaxi(i) Theobald : Edwards, in Wytzman, Genera Insect. fasc. 194 : 191 (taxonomy); Barraud 1934, Fauna Brit. India, Diptera 5 : 344 (♂, ♀, L*); Bonne - Wepster and Brug 1937, Geneesk. Tijdschr. Ned.-Ind. 77 : 62 (♂, ♀); Bonne-Wepster and Brug 1939, Geneesk. Tijdschr. Ned-Ind. 79 : 1263 (L); Knight, Bohart and Bohart 1944, Nat. Res. Council Div. med. Sci. 45 (key); Bohart 1945 Navmed 580 : 72 (♂); Laird 1947, Trans. and Proc. Roy. Soc. N. Z. 76 : 459 (L*); Knight and Chamberlain 1948,

- Proc. helm. Soc. Wash. 15 : 18 (P^{*}); Perry 1949, Amer. J. trop. Med. 29 : 754 (L^{*}); Penn 1949, Pacif. Sci. 3 : 68 (P^{*}); Bick 1951, Pacif. Sci. 5 : 415 (ecology); Bonne - Wepster 1954, Roy. trop. Inst. Amst. Spec. Pub. 111 : 108 (♂, ♀, L); Belkin 1962, Mosq. S. Pacif. 1 : 220 (♂, ♀, L^{*}, P^{*}); Assen and Bonne - Wepster 1964, Zool. Bijdr. (Leiden) 6 : 109 (♂, ♀); Delfinado 1966, Mem. Amer. ent. Inst. 7 : 99 (♂^{*}, ♀).
1932. Culex (Lutzia) raptor (Edwards) : Edwards, in Wytzman, Genera Insect. fasc. 194 : 191 (taxonomy); Barraud 1934, Fauna Brit. India, Diptera 5 : 343 (♂^{*}, ♀, L).
1932. Culex (Lutzia) vorax (Edwards) : Edwards, in Wytzman, Genera Insect. fasc. 194 : 191 (taxonomy); Barraud 1934, Fauna Brit. India, Diptera 5 : 344 (♂^{*}, ♀, L); Robertson and Hu, 1934, China J. 20 : 356 (distribution); Hsiao and Bohart 1946, Navmed 1095 : 24 (distribution); Bohart and Ingram 1946, Navmed 1055 : 70 (♂^{*}, ♀, L^{*}); LaCasse and Yamaguti 1950, Mosq. Fauna Japan and Korea : 251 (♂^{*}, ♀^{*}, P^{*}, L^{*}); Monchadskii 1951, Moscow Zool. Akad. Nauk SSSR 37 : 242 (L^{*}); Asanuma and Nakagawa 1953, Misc. Rep. Res. Inst. nat. Resour. 31 : 91 (P^{*}); Bohart 1956, Ins. Micronesia 12 : 73 (♂^{*}, ♀, L^{*}); Ma and Feng 1956, Acta ent. Sinica 6 : 172 (L^{*}); Hara 1957, Jap. J. exp. Med. 27 : 52 (♀^{*}); Lien 1962, Pacif. Ins. 4 : 630 (distribution).

Subgenus Lophoceraomyia Theobald 1905

1905. Lophoceraomyia Theobald, J. Bombay nat. Hist. Soc. 16 : 245 (April 15). Type species : L. uniformis Theobald, 1905, Ceylon; monobasic. - Considered as a lapsus for Lophoceratomyia by some authors.
1905. Lophoceratomyia Theobald, Budapest Magyar Nemzeti Mus., Ann. 3 : 93, May. Type species : L. fraudatrix Theobald, 1905, New Guinea; the first of 2 included species, selection of Brunetti (1914 : 64).- Considered as a lapsus for Lophoceraomyia by some authors, as a valid emendation by others.
1907. Philodendromyia Theobald, Monog. Culicidae 4 : 623. Type species : P. barkerii Theobald, 1907, Sarawak; monobasic.
1910. Cyathomyia de Meijere, Buitenzorg Lands Plant., Ann. Jard. Bot., Sup. 3 : 921 - 922. Type species : C. Jensenii de Meijere, 1910, Java; monobasic.

MAMMILIFER GROUPCulex (Lophoceraomyia) ganapathi Colless 1965

1965. Culex (Lophoceraomyia) ganapathi Colless, J. med. Ent. 2 : 294 (♂^{*}, ♀, L*).

Culex (Lophoceraomyia) minor (Leicester) 1908

1908. Lophoceratomyia minor Leicester, Cul. Malaya : 126 (♂); Edwards 1917, Bull. ent. Res. 17 : 227 (♂, L); Borel 1926, Arch. Insts. Pasteur Indo-Chine 3-4 : 35 (♂, ♀, L*); Borel 1930, Monogr. Coll. Soc. Pat. exot. 3 : 356 (♂^{*}, ♀, L*).

1910. Lophoceratomyia bicornuta Theobald, Rec. Indian Mus. 4 : 25
(♂); Edwards 1932, in Wytzman, Genera Insect., fasc. 194 : 198
(as synonym of mammilifer).
1922. Culex (Lophoceratomyia) minor (Leicester) : Edwards, Indian J. med. Res. 10 : 282 (key); Barraud 1924, Indian J. med. Res. 12 : 44 (♂); Edwards 1928, Bull. ent. Res. 18 : 276 (key); Edwards and Given 1928, Bull. ent. Res. 18 : 352 (L); Barraud 1934, Fauna Brit. India, Diptera 5 : 370 (♂, L); Safyanova et al. 1964, Zool. Zhur. 43 : 1178 (distribution).
1935. Culex (Lophoceratomyia) nolledoi Baisas, Philipp. J. Sci. 57 : 170 (♂); Bohart 1945, Navmed 580 : 76 (♂); Colless 1965, J. med. Ent. 2 : 289 (synonymy).
1949. Culex (Lophoceraomyia) minor (Leicester) : Mattingly, Proc. R. ent. Soc. Lond. (B) 18 : 227 (key); Colless 1965, J. med. Ent. 2 : 289 (♂, ♀, L*); Delfinado 1966, Mem. Amer. ent. Inst. 7 : 111 (♂, ♀).
1965. Culex (Lophoceraomyia) bicernutus (Theobald) : Colless, J. med. Ent. 2 : 291 (resurrected from synonymy with mammilifer, ♂, ♀, L). NEW SYNONYMY.

FRAUDATRIX GROUP

Culex (Lophoceraomyia) infantulus Edwards 1922

1922. Culex (Lophoceratomyia) infantulus Edwards, Indian J. med. Res. 10 : 287 (♂); Baisas 1935, Philipp. J. Sci. 57 : 174 (♂); Edwards 1935, Bull. ent. Res. 26 : 131 (L); Causey 1937, Amer. J. Hyg. 25 : 416 (distribution); LaCasse and Yamaguti 1950, Mosq. Fauna Japan and Korea : 197 (♂, ♀, L*, P*).

- 1944 Culex (Lophoceratomyia) parainfantulus Menon, J. Malar. Inst. India 5 : 389 (♂^{*}, ♀^{*}); Mattingly 1949, Proc. R. ent. Soc. Lond. (B) 18 : 224 (synonymy).
1945. Culex (Lophoceraomyia) infantulus Edwards : Bohart, Navmed 380 : 75 (♂[♂], L); Bohart and Ingram 1946, Navmed 1055 : 73 (♂^{*}, ♀, L*, P*); Iyengar and Menon 1955, Bull. ent. Res. 46 : 10 (L*); Peters and Dewar 1956, Indian J. Malar. 10 : 46 (L); Delfinado 1966, Mem. Amer. ent. Inst. 7 : 106 (♂^{*}).

Subgenus NEOCULEX Dyar 1905

1905. Neoculex Dyar, Ent. Soc. Wash., Proc. 7 : 45, 48 - 49. Type species : Culex territaus Walker, 1856, U.S.A. original designation.
1907. Maillotia Theobald, Mon. Cul. 4 : 274. Type species : Maillotia pilifera Theobald.
1909. Eumelanomyia Theobald, Colon. Rep. misc. Ser. No. 237 : 10. Type species : Eumelanomyia inconspicua Theobald.
1910. Protomelanoconion Theobald, Mon. Cul. 5 : 462. Type species : Protomelanoconion fusca Theobald.

Culex (Neoculex) brevipalpis (Giles) 1902

1901. Culex longipes Theobald, Mon. Cul. 2 : 68 (♀, preoccupied by Fabricius 1850).
1902. Stegomyia brevipalpis Giles, Handb., 2nd ed : 384 (♂, ♀).
1903. Culex brevipalpis (Giles) : Theobald, Mon. Cul. 3 : 146 (♂, ♀); Barraud 1924, Indian J. med. Res. 11 : 1277 (♂, ♀); Barraud 1924, Indian J. med. Res. 12 : 432 (L*).
1905. Culex macropus, Blanchard, Les Moustiques : 327 (new name for Culex longipes Theobald 1901); Barraud 1924, Indian J. med. Res. 11 : 1277 (synonymy).
1908. Melanoconion uniformis Leicester, Cul. Malaya : 136 (♂, ♀); Edwards 1913, Bull. ent. Res. 4 : 237 (synonymy).
1920. Culex fidelis Dyar, Insec. Inscit. mens. 8 : 180 (♂); Edwards 1929, Notul. Ent. 9 : 4 (synonymy).
1932. Culex (Neoculex) brevipalpis (Giles) : Edwards, in Wytzman, Genera Insect., fasc. 194 : 194 (taxonomy); Barraud 1934, Fauna Brit. India, Diptera 5 : 348 (♂, ♀, L*); Baisas 1935, Philipp. J. Sci. 57 : 177 (♂, ♀); Lee 1944, Atlas mosq. Larvae Aust. Reg. : 1277 (L*); Bohart 1945, Navmed. 580 : 72 (♂, ♀, L); Bohart and Ingram 1946, Navmed 1055 : 72 (♂, ♀, L*); Bonne - Wepster 1954, Roy. trop. Inst. Amst. Spec. Pub. 111 : 109 (♂, ♀, L*); Lien 1962, Pacif. Ins. 4 : 631 (distribution); Delfinado 1966, Mem. Amer. ent. Inst. 7 : 125 (♂, ♀, L*, P*).

Culex (Mochthogenes) foliatus Brug 1932.

1932. Culex (Culex) castrensis var. foliatus Brug., Bull. ent. Res. 23 : 82 (♂, L, P).
1935. Culex (Mochthogenes) chiyutoi Baisus, Philipp. J. Sci. 57 : 176 (♂, ♀); Bohart 1945, Navmed 580 : 73 (♂); Delfinado, 1966, Mem. Amer. ent. Inst. 7 : 129 (♂), NEW SYNONYMY.
1946. Culex (Mochthogenes) foliatus Brug : Bohart, Navmed 961 : 16 (distribution, key).
1956. Culex (Mochthogenes) castrensis var. foliatus Brug : Peters and Dewar, Indian J. Malar. 10 : 46 (♂).

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Diptera, Culicidae. Tribes Megarhinini and Culicini,
Vol. 5, 463 pp., London, Taylor and Francis.

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I & II, Berkeley, Univ. Calif. Press.

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(Diptera, Culicidae). Mem. Amer. ent. Inst. 7 : 1 - 252.

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1910. A monograph of the Culicidae of the World. London, Brit. Mus. Nat. Hist., Vol. 5, 646 p. .

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