**Supp. file 3.** Material examined.<https://doi.org/10.5852/ejt.2021.773.1517.5137>

**Outgroup**

***Metacnephia* *bilineata*** (Rubtsov, 1940) as [*Metacnephia saileri* (Stone, 1952)]

**Paratypes**

USA • 2 ♀♀, 1 **♂** (pinned); Alaska, Anchorage; 21 May 1948; Crosskey det.; NHMUK.

**Other material**

CANADA • 4 larvae (spirit), 1 pupa (slide); MNRJ10.211 • 20 larvae, 20 pupae (spirit); Ogilvie Mts, Dempster Highway, Km 220; 15 Jul. 1982; Crosskey leg.; NHMUK.

USA • 1 ♀, 1 **♂** (pinned); “Mile 1109”; 21 Aug. 1963; Wood and Wood leg.; Crosskey det.; NHMUK.

***Simulium* (*Afrosimulium*) *garipensis*** De-Meillon, 1953

**Paratypes**

SOUTH AFRICA • 3 ♀♀ (pinned); Free State, Luckhoff; Jul. 1953; More det.; NHMUK.

**Othermaterial**

UNKNOWN COUNTRY • 4 larvae (spirit); 7 Jun. 1982; Car Det.; NHMUK.

NAMIBIA • 3 ♀♀ (slide); 23–25 Jan. 1972; NHMUK.

SOUTH AFRICA • 1 ♀, 1 **♂** (slide); Colesberg; 4 Mar. 1970; Plessis leg.; NHMUK • 1 **♂** (pinned); Colesberg, Orange River; 28 Apr. 1954; More det.; NHMUK • 2 pupae (spirit); Orange Free State; Apr. 1953; Meillon leg.; NHMUK • 3 larvae (slide); Orange Free State; NHMUK.

SOUTHWEST AFRICA **•** 3 ♀♀, 2 ♂**♂** (pinned); 23–25 Jan. 1972; Gobabeb leg.; Crosskey det.; NHMUK.

***Simulium* (*Aspathia*) *metallicum*** Bellardi, 1859

UNKNOWN COUNTRY • 1 ♀ (slide); ‘AR-196’; MLP • 1 ♀ (slide); ‘HTC-1960 (3); MLP.

ARGENTINA • 10 ♀♀, 10 **♂♂**, 10 pupae, 5 larvae (spirit); Jujuy, Río Las Piedras; 27 Jan. 1998; MLP.

BELIZE • 1 **♂** (slide); Chiquibul Forest; 10 Mar. 2001; Shelley and Hernández leg; Shelley and Hernández det.; NHMUK • 2 ♀♀ (slide); Chiquibul Forest; 11 Jan. 2001; Shelley and Hernández leg.; Shelley and Hernández det.; NHMUK • 1 **♂** (slide); Pine Ridge Mt; 11 Mar. 2001; Shelley and Hernández leg; Shelley and Hernández det.; NHMUK.

COLOMBIA • 1 ♀ (pinned); Valle del Cauca, Dagua; 1200 m a.s.l.; 26 Aug. 1967; Wygodzinsky leg.; MLP.

DOMINICAN REPUBLIC • 1 ♀ (pinned); 21 Jan. 1965; Wirth leg.; MLP.

ECUADOR • 1 pupa (slide); 25 May 2002; Coscarón leg.; MLP • 1 ♀ (slide); Pichincha, Cutuglahua; 5 Mar. 1970; Merino leg.; MLP.

GUATEMALA • 1 **♂** (pinned); Chimaltenango, Acatemango; 12 Mar. 1949; Dalmat leg.; MLP •1 **♂** (pinned); CSIOC1598.

HONDURAS • 2 ♀♀ (pinned); CSIOC1515.

MEXICO • 2 pupae, 3 larvae (spirit); Oaxaca, Tuxtejec, Road 173; 13 May 1992; Coscarón leg.; MLP • 2 pupae, 3 larvae (spirit); Oaxaca; MLP • 20 pupae (spirit); Veracruz, Huatusco River; 20 May 1992; Coscarón leg.; MLP • 11 pupae, 10 larvae (spirit), 3 larvae (slide); MNRJ10.274 • 1 **♂**, 2 pupae (spirit); CSIOC4664.

VENEZUELA – 1 **♂** (pinned); Mérida, Bailaores; MLP • 1 ♀ (slide); Miranda; Iriarte leg.; MLP.

***Simulium* (*Byssodon*) *griseicolle*** Riley, 1887

**Holotype**

GHANA • 1 pupa (slide); Volta River; 1948; Hughes leg.; NHMUK.

**Other****material**

CONGO • 1 ♀ (slide); Orientale province, Bambesa; 20 Mar. 1939; Vydagh leg.; NHMUK • 5 ♀♀, 4 **♂♂** (pinned); Equateur, Mbandaka; 4–5 Apr. 1962; Storn leg.; NHMUK.

GHANA • 1 larva (slide), 11 larvae (spirit); May 1962; Lewis leg.; NHMUK.

GUINEA • 4 pupae, 5 larvae (spirit); Faranah Region, Dinguiraye, Tinkisso; 17 Aug. 1967; Garms leg.; NHMUK.

NIGERIA • 10 pupae (slide); Niger River; NHMUK • 7 ♀♀, 20 pupae (spirit); Yelwa; 24 Jan. 1954; Crosskey leg.; Freeman det.; NHMUK • 1 pupa (slide); Lokoja, Niger River; Crosskey leg.; NHMUK • 1 ♀, 1 **♂**, 1 pupa, 2 larvae (slide); Koji State; Lokoja; NHMUK.

SUDAN • 1 ♀, 2 larvae (slide); Feb. 1950; Lewis leg.; NHMUK • 2 ♀♀ (pinned); Kinshasa; 8–9 Aug. 1950; Wanson leg.; NHMUK • 1 ♀ (slide); Khartoum; 10–13 Oct. 1979; NHMUK.

TOGO • 1 ♀ (slide); Cheke and Tridens leg.; NHMUK.

***Simulium* (*Chirostilbia*) *pertinax*** Kollar, 1832

ARGENTINA • 1 **♂** (slide); Misiones; 1978; Coscarón leg.; MLP • 1 ♀ (slide); Misiones, Río Uruguay; 10 Nov. 1971; Coscarón leg.; MLP.

BRAZIL • 2 ♀♀, 2 ♂**♂** (slide); Chapada dos Guimarães, Rio Coxipozinho; 21 Oct. 2002; Luna Dias and Hernández leg.; Hernández det.; NHMUK • 1 **♂** (slide); Paraná, Apucarana; Antunes de Almeida leg.; MLP • 1 pupa (slide); Rio de Janeiro, Xerém Represa João Pinto; 2 Feb. 1979; Travassos and Shelley leg.; Hernández det.; NHMUK • 19 pupae, 12 larvae (spirit); MNRJ10.179 • 9 larvae (spirit), 3 larvae (slide); MNRJ10.180 • 3 ♀♀ (spirit); MNRJ10.127 • 2 ♀♀ (slide); São Paulo, Campinas; Castelo leg.; MLP.

***Simulium* (*Chirostilbia*) *Riograndense*** Py-Daniel, Souza & Caldas, 1988

BRAZIL • 1 **♂**, 1 pupa (slide); Rio Grande Do Sul, Caraá; 6 Apr. 2000; Rodrigo and Strieder leg.; Pepinelli det.; NHMUK • 1 larva (slide); MNRJ10.631 • 1 larva (slide); MNRJ10.632 • 22 pupae (spirit); MNRJ10.191 • 19 pupae (spirit); MNRJ10.194 • 40 larvae (spirit); MNRJ10.196 • 1 ♀, 1 **♂** (slide); Rio Grande do Sul, Sapiranga; 28 Jul. 1988; Py-Daniel det.; MLP • 1 **♂** (slide); Minas Gerais, Ouro Fino; 19 Apr. 1984; Hernández det.; MLP.

***Simulium* (*Edwardsellum*) *damnosum*** Theobald, 1903

UNKNOWN COUNTRY • 1 ♀, 1 **♂**, 18 larvae (slide); NHMUK.

CAMEROON • 1 **♂** (slide); Jan. 1968; Disney leg.; Crosskey det.; NHMUK • 1 ♀ (slide); 21 Jun. 1964; Duke leg.; NHMUK • 1 pupa (slide); 1949; Oldrough leg.; NHMUK.

NIGERIA • 2 ♀♀, 3 larvae (slide); NHMUK • 7 pupae (slide); Kaduna State, Ikara, Kudaru; Jul. 1952; NHMUK • 1 ♀ (slide); Kaduna State, Zaria; 8 Feb. 1944; Tamash leg.; Smart det.; NHMUK.

SIERRA LEONE • 15 pupae, 20 larvae (spirit); Bo District, Baiima, Tabe River; Post and Crosskey leg.; NHMUK.

UGANDA • 3 ♀♀ (slide); Karmo Falls; Apr. 1963; NHMUK.

TANZANIA • 6 ♀♀, 6 ♂**♂** (pinned); 14 Oct. 1917; Pomeroy leg.; NHMUK • 6 ♀♀ (pinned); 29 Aug. 1967; Rayboli leg.; NHMUK • 6 ♀♀ (pinned); Njombe Region; 1952; Buckley leg.; NHMUK.

***Simulium* (*Eusimulium*) *angustipes* aff**.

SPAIN • 15 pupae, 8 larvae (spirit); MNRJ10.948 • 5 ♀♀, 4 ♂**♂**, 11 pupae (spirit); MNRJ10.945.

***Simulium* (*Hellichiella*) *nebulosum*** Currie & Adler, 1986

CANADA • 2 pupae, 2 larvae (spirit); MNRJ10.232.

***Simulium* (*Lewisellum*) *neavei*** Roubaud, 1915

**Lectotypes**

UGANDA • 3 ♀♀, 1 **♂** (pinned); Ankole Kingdom; 10–14 Oct. 1911; Neave leg.; NHMUK.

**Other** **material**

UNKNOWN COUNTRY • 5 larvae (slide); NHMUK.

CONGO • 8 pupae (spirit); Tshopo Province, Kisangani, Stanleyville; Mar. 1955; Freeman det.; NHMUK.

KENYA • 1 ♀ (slide); Kericho; 1942; Macmahon leg.; NHMUK • 1 pupa (slide); Kisumu; NHMUK • 17 larvae (spirit); Kisumu; Oct.–Dec. 1951; MacMahon leg.; NHMUK.

UGANDA • 4 ♀♀, 3 ♂**♂** (pinned); 14 Oct. 1919; Lewis leg.; NHMUK • 1 ♀ (slide); 16 Nov. 1931; NHMUK • 1 ♀ (slide); Bugisu district; 17 Nov. 1964; Crosskey leg.; NHMUK • 1 **♂**, 1 pupa, 1 larva (slide); Toro district, Kibala Forest; 31 Nov. 1964; Crosskey leg.; NHMUK.

***Simulium* (*Meilloniellum*) *hirsutum*** Pomeroy, 1922

**Holotype**

TANZANIA • **♂** (pinned); Morogoro; 24 Nov. 1917; Pomeroy det.; NHMUK.

**Paratypes**

4 ♀♀, 2 ♂**♂** (pinned); Morogoro; 24 Nov. 1917; Pomeroy det.; NHMUK.

**Other** **material**

UNKNOWN COUNTRY • 4 larvae (slide); NHMUK.

KENYA • 2 ♀♀, 1 **♂**, 1 pupa, 1 larva (slide), 15 pupae (spirit); Nyanza Province; Apr.–May 1960; McMahon leg.; NHMUK.

TANZANIA • 1 pupa (slide); Morogoro Region, Mahenge Mts; 1965; Hauseermann leg.; Crosskey det.; NHMUK.

UGANDA • 1 ♀, 3 ♂**♂** (slide); 16 Apr. 1932; Gibbins leg.; NHMUK • 4 ♀♀, 4 ♂**♂** (pinned); Bugishu Region; 16 Apr. 1932; Gibbins leg.; Gibbins det.; NHMUK • 7 pupae, 14 larvae (spirit); Bugishu Region; 18 Oct. 1964; Crosskey leg.; NHMUK • 1 ♀, 1 pupa (slide); Kapchorwa, Bugisu Sipi Falls; 18 Oct. 1964; Crosskey leg.; Crosskey det.; NHMUK.

***Simulium* (*Metomphalum*) *bovis*** De-Meillon, 1930

**Holotype**

SOUTH AFRICA • ♀ (pinned); KwaZulu-Natal, Umhlathuze; 4 Apr. 1923; Bedford leg.; NHMUK.

**Paratypes**

SOUTH AFRICA • 5 ♀♀ (pinned); KwaZulu-Natal, Umhlathuze; 4 Apr. 1923; Bedford leg.; Gibbins det.; NHMUK • 2 ♀♀ (slide); KwaZulu-Natal, Umhlathuze; 24 Apr. 1916; Bedford leg.; NHMUK.

**Other** **material**

NIGERIA • 1 ♀ (slide); NHMUK • 12 pupae (pinned); Ngabo River; Jul. 1979; NHMUK.

SOUTH AFRICA • 1 ♀ (slide); KwaZulu-Natal, Weenen; NHMUK.

TANZANIA • 1 ♀ (slide); 14 Jul. 1965; Raybould leg.; NHMUK • 20 pupae, 20 larvae (spirit); Ruim River; 22 Jul. 1966; Raubould leg.; NHMUK • 1 ♀, 2 ♂**♂**, 2 pupae, 1 larva (slide); Tanga Region, Korogne, Ruyu River; 23 Jul. 1966; Raybould leg.; NHMUK • 6 ♂**♂** (pinned); Tanga Region, Korogne, Ruyu River; 27 Jul. 1966; Raybould leg.; NHMUK.

***Simulium* (*Nevermannia*) *ruficorne*** Macquart, 1838

**Holotype**

NIGERIA • **♂** (pinned); Oyo State, Ibadan; 4 Dec. 1920; Pomeroy leg.; NHMUK.

**Paratype**

NIGERIA • 1 ♀ (pinned); Oyo State, Ibadan; 4 Dec. 1920; Pomeroy leg.; NHMUK.

**Other** **material**

CAPE VERDE • 3 ♀♀, 4 ♂**♂** (slide); Santiago Island, S. Jorge dos Orgãos; 12 Nov. 1988; Van-Harten leg.; Howard det.; NHMUK.

MALI • 1 ♀ (slide); Sikasso; 1–23 Sep. 1977; Who leg.; NHMUK.

NIGERIA • 1 pupa, 1 larva (slide); Agadez Region, Air Mts, Timia Stream; 13 Jan. 1983; Grunshaw leg.; NHMUK • 1 **♂** (slide); Kaduna, Zaria; 25 Feb. 1966; NHMUK.

SPAIN • 1 **♂** (slide); Canary Islands, La Gomera, Hermigua, Frey River; Crosskey det.; NHMUK • 4 ♀♀, 4 ♂**♂**, 6 pupae (spirit); Canary Islands, Gran Canaria, Firgas, Barranco del Azuaje; 3 Nov. 2015; Molina and Sarmiento-Marrero leg.; Molina det.; MNRJ • 12 larvae (spirit); MNRJ10.901.

UGANDA • 1 larva (slide); 5 May 1932; Gibbins leg.; NHMUK.

***Simulium* (*Notolepria*) *exiguum*** Roubaud, 1906

ARGENTINA • 1 ♀ (pinned); El Palmar National Park; 3 Apr.; Coscarón det.; MLP • 3 ♀♀ (slide); Salta, Aguas Blancas; 10 Nov. 1976; Grisalie leg.; MLP • 1 **♂** (pinned); Salta, Tartagal; 19 Nov. 1961; Coscarón det.; MLP • 2 ♀♀, 1 **♂** (pinned); Salta, Tartagal; Feb. 1961; Coscarón det.; MLP • 1 ♀ (pinned); Salta, Tartagal, Río Pescado; 14 Nov. 1975; Coscarón det.; MLP • 3 ♀♀, 4 **♂♂**, 6 pupae, 42 larvae (spirit), 5 larvae (slide); MNRJ10.275.

BRAZIL • 2 ♀♀ (slide); Mato Grosso, Rio Aripuaná; 8 Jul. 1978; Da Silva leg.; Py-Daniel det.; MLP.

COLOMBIA • 1 **♂** (slide); River Pance Valley; 22 Aug. 1967; 1250 m a.s.l.; Wygodzinsky leg.; MLP.

GUATEMALA • 1 **♂** (slide); Río Nagualate; 8 Jun. 1951; Dalmat leg.; MLP.

***Simulium* (*Pomeroyellum*) *cervicornutum*** Pomeroy, 1920

**Holotype**

CAMEROON • **♂** (slide); Midle East; 14 Feb. 1916; NHMUK.

**Paratypes**

**CAMEROON**• 4 **♀♀**, 1 **♂** (slide); Midle East; 14 Feb. 1916; Pomeroy leg.; NHMUK.

**Other** **material**

BURKINA FASO • 1 **♂** (slide); Banfora; 16 Sep. 1974; NHMUK.

GHANA • 3 ♀♀, 1**♂** (slide); Hohoe, Nubei River; 9 Jan. 1981; Raybould leg.; Crosskey det.; NHMUK • 2 ♂♂, 2 pupae (slide); Hohoe, Wli Falls; Raybould leg.; Crosskey det.; NHMUK.

KENYA • 1 **♂**, 1 pupa, 1 larva (slide), 20 pupae, 20 larvae (spirit); Nyanza Region; 4 May 1960; McMahon leg.; NHMUK.

NIGERIA • 4 larvae (slide); NHMUK • 10 pupae (spirit); Northern Nigeria; Crosskey leg.; Crosskey det.; NHMUK.

UGANDA • 1 **♂** (slide); 16 Apr. 1932; Gibbins leg.; NHMUK • 3 ♀♀, 1 larva (slide); 6 Apr. 1960; Gibbins leg.; NHMUK.

***Simulium* (*Inaequalium*) *inaequale*** (Paterson & Shannon, 1927)

BRAZIL • 32 larvae (spirit); MNRJ10.177 • 1 ♀ (spirit); MNRJ10.079 • 1 ♀ (slide); MNRJ10.097 • 1 ♀ (spirit); MNRJ10.137 • 1 ♀ (spirit); MNRJ10.164 • 1 **♂** (slide); MNRJ10.168 • 3 ♂**♂** (spirit); MNRJ10.116 • 12 larvae (slide); MNRJ10.177 • 1 **♂** (slide); Santa Catarina, Moreira leg.; MLP.

PARAGUAY • 1 **♂** (slide); km 287 east of Asunción; 13 Jul. 1971; Coscarón leg.; MLP • 1 ♀, 1 **♂** (slide); Misiones, San Ignacio, Río Encantado; 1 Feb. 1987; MLP.

PERU • 1 ♀ (slide); Cusco; 100 m a.s.l.; 15–30 Nov. 1962; MLP.

***Simulium* (*Psilopelmia*) *perflavum*** Roubaub, 1906

BRAZIL • 3 ♀♀, 2 ♂**♂** (slide); Roraima, Uiramutã; 26 Nov. 1997; Shelley and Luna Dias leg.; Luna Dias det.; NHMUK • 1 ♀ (slide); Coscarón det.; MLP • 1 **♂** (slide); Seabra; MLP • 1 **♂** (slide); Bahia; 29 Jul. 1978; Coscarón leg.; MLP • 1 ♀ (spirit); MNRJ10.085 • 1 ♀ (slide); MNRJ10.086 • 20 larvae (spirit); MNRJ10.086 • 1 **♂** (spirit); MNRJ10.091 • 1 ♂ (slide); MNRJ10.110 • 14 pupae (spirit); MNRJ10.138 • 1 pupa (slide); MNRJ10.147.

***Simulium* (*Psilozia*) *vittatum*** Zetterstedt, 1838

CANADA • 3 ♀♀, 3 pupae, 10 larvae (spirit); MNRJ10.235 • 20 pupae, 12 larvae (spirit); Manitoba, West Hawk Lake; 2–17 May 1983; Crosskey leg.; Crosskey det.; NHMUK • 1 ♀ (slide); Manitoba, Dust River; 10 May 1989; Crosskey leg.; NHMUK.

USA • 1 ♀ (slide); Minessota, East Warrout River; 14 Jun. 1989; Crosskey leg.; NHMUK.

***Simulium* (*Pternaspatha*) *nigristrigatum*** (Enderlein, 1930)

ARGENTINA • 1 ♀ (slide); Avellaneda, Río Negro; 24 Sep. 1993; Coscarón leg.; MLP • 6 pupae, 5 larvae (spirit); Avellaneda, Río Negro; 4 Oct. 1996; Coscarón leg.; MLP • 4 ♀♀ (pinned); Avellaneda, Río Negro; Wygodzinsky leg.; Coscarón det.; MLP • 1 ♂ (slide); Avellaneda, Río Negro; MLP • 1 pupa (slide); Chubut, Sarmiento, Río Senguer; 23 Jan. 1993; Coscarón det.; MLP • 1 ♀ (slide); Chubut, Río Tecka; 2 Feb. 1975; Coscarón leg.; Coscarón det.; MLP • 1 pupa (slide); Córdoba; 4 Oct. 1964; Beckmann leg.; MLP • 1 pupa (slide); Neuquén, Río Lima; 12 Jan. 1971; Coscarón leg.; MLP • 1 ♀ (slide); La Pampa; 18 Nov. 1990; Marino leg.; MLP • 1 pupa (slide); Neuquén, Río Loway; 12 Jan. 1971; Coscarón leg.; MLP • 1 ♀, 1 ♂, 39 pupae, 21 larvae (spirit); MNRJ10.277 • 5 larvae (slide); MNRJ10.278.

***Simulium* (*Simulium*) *intermedium*** Roubaud, 1906

SPAIN • 3 ♂♂, 3 ♀♀ (spirit); Canary Islands, Gran Canaria, Firgas, Barranco del Azuaje; 21 Nov. 2013; Molina and Sarmiento-Marrero leg.; Molina det.; MNRJ • 1 pupa, 2 ♂♂, 1 ♀ (slide); Canary Islands, Gran Canaria, Telde, Barranco de los Cernícalos; 3 Nov. 2013; Molina leg.; Molina det.; MNRJ • 31 pupae (spirit); Ciudad Real, Santa Cruz de Mudela, La Rambla; 21 Dec. 2013; Molina leg.; Molina det.; MNRJ • 3 larvae (spirit); Jaén, Aldeaquemada, Cimbarra; 14 Nov. 15; Molina det.; MNRJ.

***Simulium* (*Wilhelmia*) *pseudequinum*** Séguy, 1921

SPAIN • 2 ♂♂, 2 ♀♀ (slide); Canary Islands, Gran Canaria, Telde, Barranco de los Cernícalos; 3 Dec. 2015; Molina and Sarmiento-Marrero leg.; Molina det.; MNRJ • 16 larvae (spirit); Ciudad Real, Santa Cruz de Mudela, La Rambla; 21 Dec. 2013; Molina leg.; Molina det.; MNRJ • 1 ♂, 1 ♀ (slide), 1 ♂, 1 ♀, 6 larvae (spirit); Jaén, Aldeaquemada, Cimbarra; 14 Nov. 2015; Molina leg.; Molina det.; MNRJ • 8 pupae (spirit); Madrid, Alcalá de Henares, Río Henares; 12 Oct. 2016; Molina leg.; Molina det.; MNRJ.

**Ingroup**

***Simulium* (*Anasolen*) *bisnovem*** Gibbins, 1938

**Holotype**

UGANDA •♂ (slide); 26 Dec. 1934; NHMUK.

**Paratype**

UGANDA • 1 pupa (slide); 17 Nov. 1931; NHMUK.

**Other** **material**

UGANDA • 1 ♀ (slide); NHMUK • 1 ♀ (slide); NHMUK • 1 ♀ (slide); 26 Dec. 1934; NHMUK.

***Simulium* (*Anasolen*) *dentulosum*** Roubaud, 1915

**Paratypes**

CAMEROON • 2 ♀♀ (slide); Pomeroy leg.; NHMUK.

UGANDA • 1 ♀, 1 ♂, 1 pupa (slide); Bsanka Pass; 6 Jan. 1932; Gibbins leg.; NHMUK • 1 pupa (slide); River Namwamba; Gibbins leg.; NHMUK.

**Other material**

NIGERIA • 19 pupae, 35 larvae (spirit); Assab Falls; 23 Oct. 1970; Deeming leg.; Crosskey det.; NHMUK.

SOUTH AFRICA • 21 pupae, 56 larvae (spirit); Ngotche Falls, Ngotche Farm; 28º52′38″ S, 31º22′06″ E; 6 Oct. 2000; Crosskey leg.; NHMUK.

TOGO • 1 pupa (spirit); Kpime Falls; 3 Oct. 1985; Checke leg.; Crosskey det.; NHMUK.

UGANDA • 1 ♂ (slide); 1 Apr. 1932; Gibbins leg.; NHMUK • 1 pupa (slide); 25 Dec. 1943; Gibbins leg.; NHMUK • 1 ♀ (slide); Biramba Pass; 17 Nov. 1931; Gibbins leg.; Gibbins det.; NHMUK • 2 ♀♀ (pinned); Biramba Pass; 6 Jan. 1932; Gibbins leg.; Gibbins det.; NHMUK • 1 ♀ (pinned); Lule Bugishu; 1 Apr. 1932; Gibbins leg.; Gibbins det.; NHMUK • 1 ♂ (pinned); R. Namwamba Kiriruma; 25 Dec. 1935; Gibbins leg.; NHMUK • 1 ♂, 1 ♀ (pinned); R. Siphi Jovó; 3 May 1932; Gibbins leg.; Gibbins det.; NHMUK • 1 ♀ (slide); River Namwamba; Gibbins leg.; NHMUK • 1 ♀ (slide); River Sasa; 6 Apr. 1932; Gibbins leg.; NHMUK • 1 ♀ (pinned); Elgon Mt National Park, River Tabok; 6000 m a.s.l.; 18 Oct. 1964; Crosskey leg.; NHMUK • 1 ♀ (slide); River Sipi; 17 Sep. 1931; Gibbins leg.; NHMUK • 18 larvae (spirit), 2 larvae (slide); Rwenzori Mts, River Mahoma; 2200 m a.s.l.; Gibbins leg.; Crosskey det.; NHMUK.

ZIMBABWE • 2 ♂♂, 5 pupae (pinned); “Chimanimani National Park. 15.v.1963. Harrison Leg. Crosskey Det.”; NHMUK.

***Simulium* (*Anasolen*) *kauntzeum*** Gibbins, 1937

**Holotype**

UGANDA • ♀ (pinned); 25 Dec. 1935; Gibbins leg.; NHMUK.

**Paratypes**

DEMOCRATIC REPUBLIC OF THE CONGO • 1 ♂ (pinned); 10 200 m a.s.l.; Edwards leg.; NHMUK • 1 ♀, 1 pupa (slide); 25 Dec. 1934; Gibbins leg.; NHMUK • 2 ♂♂ (pinned); 25 Dec. 1935; Edwards leg.; NHMUK.

**Other** **material**

DEMOCRATIC REPUBLIC OF THE CONGO • 1 pupa (slide); 2 Dec. 1932; Burghon leg.; NHMUK • 3 pupae (spirit); 1943; Gibbins leg.; Gibbins det.; NHMUK.

***Simulium* (*Anasolen*) *masabae*** Gibbins, 1934

**Paratypes**

UGANDA • 2 pupae (spirit); 1943; Gibbins leg.; Gibbins det.; NHMUK • 6 pupae (spirit); 1943; Gibbins leg.; Gibbins det.; NHMUK • 1 ♀ (slide), 3 ♀♀, 3 ♂♂ (pinned); Lule Bugishu; 1 Apr. 1932; Gibbins leg.; NHMUK • 1 ♂, 1 ♀ (slide), 3 ♀♀, 4 ♂♂ (pinned); R. Siphi Jovó; 3 May 1932; Gibbins leg.; NHMUK • 1 ♀ (pinned); R. Siphi Jovó; 3 May 1937; Gibbins leg.; NHMUK • 1 ♀ (slide); River Sasa; 9500 m a.s.l.; 1943; Gibbins leg.; NHMUK.

**Other** **material**

KENYA • 1 larva (spirit); Kenya Mt, Liki Stream; 13.500 ft; 22 Nov. 1980; Cranston leg.; Crosskey det.; NHMUK.

UGANDA • 1 larva (slide); 4 Mar. 1932; Gibbins leg.; NHMUK • 4 larvae, 3 pupae (spirit); Mt Elgon National Park, River Tabok; 660 m a.s.l.; 18 Oct. 1964; Crosskey leg.; NHMUK.

***Simulium* (*Anasolen*) *ngabogei*** Fain, 1950

RWANDA • 5 pupae (spirit), 2 ♂♂, 2 pupae, 2 larvae (slide); 1949; Fain leg.; NHMUK.

***Simulium* (*Anasolen*) *nili*** Gibbins, 1934

**Holotype**

UGANDA • ♀ (pinned); Nile River; 4 Mar. 1932; Gibbins leg.; Crosskey det.; NHMUK.

**Paratypes**

UGANDA • 1 ♀, 1 ♂ (pinned), 1 pupa, 1 ♀, 1 ♂ (slide); Nile River; 4 Mar. 1932; Gibbins leg.; Crosskey det.; NHMUK.

**Other material**

SAUDI ARABIA • 50 larvae, 22 pupae (spirit); Shawas; 9 Apr. 1980; Buttiker leg.; Crosskey det.; NHMUK • 1 larva, 1 pupa (slide); Suda; 2550 m a.s.l.; 5 May 1980; Buttiker leg.; NHMUK.

YEMEN • 1 pupa (spirit); 1969; Merighi leg.; Crosskey det.; NHMUK.

***Simulium* (*Freemanellum*) *berghei*** Fain, 1949

BELGIAN CONGO • 2 pupae (spirit); Crosskey leg.; NHMUK.

DEMOCRATIC REPUBLIC OF THE CONGO • 1 ♂, 1 ♀, 1 pupa (slide); Duda River; 3 Jul. 1951; Fain leg.; NHMUK • 1 ♂, 1 pupa (pinned); Duda River; Fain leg.; NHMUK.

NIGERIA • 1 ♂ (pinned); Obudu plateu; 19 Dec. 1970; Politzar leg.; Crosskey det.; NHMUK • 2 ♀♀ (pinned), 1 ♀ (slide); Mambilla Plateau; 10 Dec. 1968; Roberts leg.; Crosskey det.; NHMUK • 2 ♀♀ (pinned); Mambilla Plateau, Ngel Nyaki Forest Reserve; 5500 ft; 28 Oct.–3 Dec. 1968; Crosskey det.; NHMUK.

UGANDA • 1 ♀ (slide); Kigabegwe Fall; 3 Oct. 1964; Crosskey leg.; NHMUK • 1 larva (slide); NHMUK.

***Simulium* (*Freemanellum*) *debegene*** Elsen & Escaffre, 1976

SOUTH AFRICA • 2 pupae (pinned), 12 pupae (spirit), 15 larvae (spirit); Debegeni Falls; 8 Nov. 1999; Crosskey leg.; Crosskey det.; NHMUK • 1 ♀, 3 pupae, 2 larvae (spirit); Veil Falls, Sabie River; 8 Dec. 1997; Palmer leg.; Crosskey det.; NHMUK.

***Simulium* (*Freemanellum*) *hessei*** Gibbins, 1941

NIGERIA • 1 ♀ (slide); 28 Nov.–3 Dec. 1968; NHMUK.

SOUTH AFRICA • 1 pupa (slide); 13 Mar. 1938; NHMUK • 1 pupa (slide); 1 Nov. 1922; NHMUK.

***Simulium* (*Freemanellum*) *hirsutilatersis*** De-Meillon, 1937

SOUTH AFRICA • 1 pupa, 1 larva (slide), 10 larvae (spirit); Bridal Veil Falls; 8 Nov. 1994; Palmer leg.; NHMUK • 3 pupae, 1 larva (pinned); Debegeni Falls; 940 m a.s.l.; 8 Nov. 1999; Crosskey leg.; Crosskey det.; NHMUK.

TANZANIA • 1 ♂, 1 ♀ (slide); Amani Natural Reserve; 16 Sep. 1953; NHMUK.

***Simulium* (*Freemanellum*) *manense*** Elsen & Escaffre, 1976

GHANA • 1 pupa (slide), 1 ♂, 2 ♀♀ (spirit); 28 Jan. 1981; Rayboned leg.; NHMUK • 10 pupae, 1 ♂,2 ♀♀, (spirit); Tsatsaem Falls; 15–28 Jan. 1981; Raybould leg.; NHMUK.

IVORY COAST • 15 larvae, 11 pupae (spirit); Cascade near Mau, trib. of River Ko; 31 May 1948; Raybould leg.; NHMUK.

LIBERIA • 1 pupa (slide); 14 Dec. 1968; Garms leg.; NHMUK.

TANZANIA • 1 larva (slide); 15 Oct. 1966; Rayboned leg.; NHMUK.

TOGO • 4 pupae (pinnet); Domi River, Cascade d’Akloa; 31 Mar. 1988; Cheke leg.; Crosskey det.; NHMUK • 2 larvae (slide); D’Akloa Falls; 17 Oct. 1985; Chakc and Donke leg.; NHMUK • 2 larvae (slide); D’Akloa Falls; 11 Oct. 1985; Chakc and Donke leg.; NHMUK.

UGANDA • 1 ♂ (spirit); Crosskey det.; NHMUK • 1 ♀ (slide); Dec. 1934; Gibbins leg.; NHMUK • 1 ♂(spirit); Tigtscom Falls; 29 Jan. 1981; Rosybonie leg.; NHMUK.

***Simulium* (*Trichodagmia*) *albellum*** Rubtsov, 1956

**Holotype**

RUSSIA • ♀ (pinnet); NHMUK.

**Other material**

RUSSIA • 2 pupae, 3 larvae (spirit); “Kupryzna. P. Wabazu-Kacok-Caín”; 18 Aug. 1950; NHMUK.

***Simulium* (*Trichodagmia*) *auricoma*** Meigen, 1818

COUNTRY UNKNOWN • 9 larvae (spirit); 27 Apr. 98; Belqat leg.; NHMUK.

CYPRUS • 1 ♂ (pinned); Troodos Mts; 34º68′ N, 32º52′ E; 900 m a.s.l.; 11–12 May 1974; Malicky leg.; Crosskey det.; NHMUK • 2 ♂♂ (pinned); Troodos Mts; 26–27 Jul. 1988; Raybould leg.; Crosskey det.; NHMUK.

FRANCE • 3 pupae, 5 larvae (spirit); Têt River; 1949; Bertrand leg.; Grenier det.; NHMUK • 1 larva (slide); Pyrénées; Jul. 1999; Bertrand leg.; NHMUK • 1 ♀ (slide); Restonica River; 10–25 Jul. 1928; Edwards leg.; NHMUK.

GREECE • 1 ♀ (pinned); Kremaston reservoir; 38º54′ N, 21º36′ E; 5 Aug. 1991; Crosskey leg.; NHMUK.

ITALY • 1 ♀, 1 ♂ (slide); 37º04′ N, 14º54′ W ; 10 Jul. 1982; Maricky leg.; NHMUK.

TURKEY • 1 ♂ (pinned); 15 Apr. 1962; Gulchard and Harvey leg.; Zwick det.; NHMUK.

***Simulium* (*Trichodagmia*) *ayrozai*** Vargas, 1945

MEXICO • 1 ♀ (pinned); “BM 1449-236”; 23 Mar. 1944; Diaz leg.; Vargas det.; NHMUK • 1 larva (slide); Desierto de Los Leones Nacional Park; 26 Mar. 1948; Díaz-Nájera leg.; MLP • 1 ♀, 1 ♂ (slide); 3 larvae, 4 pupae (spirit); Desierto de Los Leones Nacional Park; 21 May 1955; Díaz-Nájera leg.; MLP.

***Simulium* (*Trichodagmia*) *brachycladum*** Lutz & Pinto, 1931

BRAZIL • 1 ♀ (spirit); Areia Sul River; 7 Aug. 1986; Coscarón leg.; MLP • 1 ♂ (spirit); Verde River; 7 Aug. 1986; Coscarón leg.; MLP • 1 ♂ (slide); 19 Aug. 1993; Shelley, Herzog and Luna Dias leg.; Hernández det.; NHMUK • 1 ♀ (pinned); CSIOC10912 • 1 ♂ (pinned); CSIOC16056 • 1 ♂ (pinned); CSIOC16057 • 1 ♀ (pinned); CSIOC16058 • 22 pupae (spirit); CSIOC17076 • 1 larva (slide); CSIOC2064 • 3 pupae (spirit); MNRJ10.132 • 3 larvae (slide); MNRJ10.156 • 1 larva (spirit); MNRJ10.162 • 2 pupae (spirit); MNRJ10.185 • 1 ♀ (spirit); Fora Boa Vista, Km 18, Ruta-139; 15 May 1979; Shelley and Luna Dias leg.; MLP • 1 ♀ (slide); CSIOC2066 • 1 ♂ (slide); Mantequeira Mts; 19 May 1979; Crosskey and Shelley leg.; Shelley Det.; NHMUK.

***Simulium* (*Trichodagmia*) *bricenoi*** Vargas, Martínez Palacios and Díaz Nájera, 1946

MEXICO • 1 ♂, 2 ♀♀ (slide); 12 Mar. 1944; Diaz leg.; NHMUK • 1 ♀, 1 pupa, 12 larvae (spirit), 1 pupa, 1 larva (slide), 2 ♀♀ (pinned); Lagunas de Zempoala National Park; 2700 m a.s.l.; 10 Sep. 1969; Wygodzinsky leg.; Coscarón det.; MLP.

***Simulium* (*Trichodagmia*) *canadense*** Hearle, 1932

**Paratypes**

CANADA • 3 ♀♀, 3 ♂**♂** (pinned); 15 May 1930; Hearle leg.; NHMUK.

**Other material**

CANADA • 3 larvae, 5 pupae (spirit); MNRJ10.233.

GUATEMALA • 1 larva (slide); Coscarón det.; MLP • 1 ♂ (slide); Quiché, Rio Micavey; 15 Nov. 1949; MLP.

MEXICO • 1 ♀(pinned); 7 Apr. 1944; Najera leg.; Vargas det.; NHMUK.

USA • 40 pupae, 40 larvae (spirit); Chiricahua Mts, Turkey Creek; 6400 ft; 6 Aug. 1977; Crosskey leg.; Crosskey det.; NHMUK • 4 pupae, 3 larvae (spirit); 39º40′ N, 123º20′ W; 8 Mar. 1986; Courtey leg.; NHMUK • 7 pupae, 40 larvae (spirit); 8 Jul. 1948; Wirth leg.; Coscarón det.; MLP • 3 pupae, 3 larvae (spirit); Santa Rosa Creek, Annadel Park; 8 Mar. 1990; Adler and Adler leg.; NHMUK • 1 ♂ Nevada, Charleston Mts; 25 Apr. 1940; Cheer leg.; MLP • 10**♀**, 1 ♂, 10 pupae (spirit); Mt Vernon; 2 Jul. 1963; Mood leg.; Crosskey det.; NHMUK • 2 ♀♀ (pinned); Mt Vernon; 11 Jul. 1963; Woods and Woods leg.; NHMUK • 4 pupae, 9 larvae (spirit); MNRJ10.1270.

***Simulium* (*Trichodagmia*) *capricorne*** De León, 1945

GUATEMALA • 2 pupae, 5 larvae (spirit); Dalmat leg.; Coscarón det.; MLP • 1 ♀ (slide); Coscarón leg.; MLP • 1 ♂ (slide); Chimaltenango, Acatenango; 26 Feb. 1949; Dalmat leg.; Dalmat det.; MLP • 1 ♀, 1 ♂ (pinned); Chimaltenango, Acatenango, Tehuyá; 25 Nov. 1948; Dalmat leg.; Coscarón det.; MLP • 2 ♀♀, 1 ♂ (pinned); Chimaltenango, Acatenango; 25 Nov. 1948; Dalmat leg.; Coscarón det.; NHMUK.

MEXICO • 8 larvae (spirit), 1 ♂ (pinned); Ixtapaluca, Río Frío; 3000 m a.s.l.; 6 Jun. 1969; Wygodzinsky leg.; Coscarón det.; MLP • 1 ♀, 1 ♂ (pinned); Dto. Leones; 5 Mar. 1944; Díaz leg.; Vargas det.; NHMUK.

USA • 2 ♂♂ (slide); Charleston Mts; 25 May 40; Cheer leg.; MLP.

***Simulium* (*Trichodagmia*) *claricentrum*** Adler, 1990

**Paratypes**

USA • 1 ♀, 1 ♂, 30 pupae, 34 larvae (spirit), 3 ♀♀, 2 ♂♂ **(**pinned); “Erie Co. 16 miles creek. Jct. Washington Street & Shadduck Road, Northeast”; 12 Aug. 1989; Adler and Adler leg.; NHMUK.

***Simulium* (*Trichodagmia*) *cristalinum*** Coscarón & Py-Daniel, 1989

**Holotype**

BRAZIL • ♀ (slide); Roraima; 28 Oct. 1987; MLP.

**Paratypes**

BRAZIL • 1 ♂, 1 pupa, 2 larvae (slide); Roraima; 28 Oct. 1987; MLP.

**Other** **material**

BRAZIL • 1 ♀ (pinned); 174–170 km de Boa Vista; 14 Oct. 1993; Itamada and Aquino leg.; MLP • 1 ♀, 1 ♂ (slide), 1 ♀, 1 ♂ (pinned); Uiramutã; 1 Nov. 1997; Shelley and Luna-Dias leg.; Luna-Dias, Coscarón, Py-Daniel and Hernández det.; NHMUK.

***Simulium* (*Trichodagmia*) *earlei*** Vargas, Martínez Palacios & Díaz Nájera, 1946

BELIZE • 1 pupa (slide); Chiquibul Forest area; 9 Mar. 2001; Shelley and Hernández leg.; Shelley and Hernández det.; NHMUK • 2 pupae (slide); Guacamayo Bridge; 15 Apr. 1996; Lane leg.; Shelley and Hernández det.; NHMUK • 1 ♀, 1 ♂, 1 pupa (slide); Macal River, Mt Pine Ridge; 8 Mar. 2001; Shelley and Hernández leg.; Shelley and Hernández det.; NHMUK.

COSTA RICA • 2 ♂♂ (pinned); Quebrada Zapote; 16 Jan. 2008; Hernández and Chavem leg.; Hernández det.; NHMUK.

GUATEMALA • 1 ♂ (pinned); San Vicente Pascaya; 25 Nov. 1950; Dalmat leg.; MLP.

HONDURAS • 2 ♀♀ (pinned); Pinol River; 31 Jan. 1958; Garnham and Lewis leg.; NHMUK.

MEXICO • 1 pupa (slide); Huatusco; 2 Jun. 1992; Coscarón leg.; MLP.

PANAMA • 4 larvae (spirit); 8º36′ N, 80º14′ W; Peterson leg.; Peterson det.; MLP.

***Simulium* (*Trichodagmia*) *galloprovinciale*** Giudicelli, 1963

FRANCE • 1 ♂ (slide); Tavijuano River; 26–29 Apr. 1948; Stubbs leg.; NHMUK • 2 ♀♀, 3 ♂**♂**, 15 pupae, 12 larvae (spirit), 1 ♀, 1 ♂ (slide), 1 ♂ (pinned); “Aix-en-Provence”; May–Jun. 1960; Giudicelli leg.; Crosskey det.; NHMUK.

MOROCCO • 1 larva (slide); Rif Mts; 3 May 1999; Belgat leg.; NHMUK.

SPAIN • 4 ♀**♀**, 3 ♂**♂** (pinned); 3 km SW of Puente de las Herrerías, Guadalquivir River; 18 May 1986; Crosskey leg.; Crosskey det.; NHMUK • 1 pupa, 1 larva (slide); Guadalquivir River; Aug. 1974; Crosskey leg.; Crosskey det.; NHMUK • 12 pupae, 12 larvae (spirit), 2 ♀♀, 2 ♂♂, 5 larvae (slide); Cazorla, Segura y las Villas Nacional Park, Río Borosa; 9 Dec. 2015; Molina leg; Molina det.; MNRJ.

***Simulium* (*Trichodagmia*) *guianense*** Wise, 1911

BRAZIL • 6 pupae (spirit); Navio Mts, Rio Água Fria; 29 Jul. 1996; Hamada leg.; MLP • 2 larvae (spirit); Oyapoque, Maripa Falls; 21 May 1992; Lowry and Luna Dias leg.; MLP • 1 ♂ (slide); Rio Uraricoera; 23 Oct. 87; Coscarón leg.; MLP • 1 ♀ (slide); CSIOC2230 • 1 larva (slide); CSIOC10760 • 1 ♀, 1 pupa (spirit); CSIOC13365 • 2 pupae (spirit); CSIOC13365 • 1 ♀ (pinned); CSIOC5834 • 1 ♀ (pinned); CSIOC5835 • 1 ♂ (pinned); CSIOC5873 • 1 ♂ (pinned); CSIOC5924.

GUYANA • 8 ♀**♀**, 7 ♂**♂** (pinned); Ireng River, Orinduik Falls; 1 Dec. 1970; Davies leg.; Davies det.; NHMUK.

***Simulium* (*Trichodagmia*) *guianense*** as [*S. pintoi* d’Andretta & d’Andretta, 1945]

BRAZIL • 1 ♀ (slide); Caldas Novas; Aug. 1994; MLP • 1 ♀ (slide); 28 Oct. 1987; MLP • 1 larva (slide); Rio Uraricoera; 23 Oct. 87; Coscarón leg.; MLP • 1 larva (slide); Rio Maruí; 23 Oct. 1987; MLP • 1 ♂ (slide); Nova Teutonia; 27º11′ S, 52º23′ W, 300–500 m; 15 Nov. 1928; Plaumann leg.; MLP • 1 ♀, 2 pupae, 2 larvae (slide); 1945; Andretta leg.; Andretta det.; MLP • 2 pupae (slide); Ibiti; 23 Apr. 1946; Lima leg.; MLP.

***Simulium* (*Trichodagmia*) *hirtipupa*** Lutz, 1910

BRAZIL • 1 ♀, 1 ♂ (pinned); Rio Caramajibe; 20 Aug. 1993; Shelley, Herzog and Luna Dias leg.; Shelley det.; NHMUK • 1 ♀, 1 larva (spirit); Rio Orico; 31 Jul. 1986; Coscarón leg.; Coscarón det.; MLP • 2 ♀♀, 2 ♂♂, 3 pupae (slide); Fazenda Cachoeira, Formoso River; 29 Oct. 2002; Shelley, Herzog, Luna Dias and Hernández leg.; Shelley and Hernández det.; NHMUK • 4 ♀**♀**, 4 ♂**♂** (pinned); 28 Oct. 2002; Shelley, Herzog, Luna Dias and Hernández leg.; Shelley leg.; NHMUK • 2 pupae (spirit); CSIOC14354 • 5 pupae (spirit); CSIOC14433 • 1 ♂, 1 pupae (spirit); Barra do Turvo; 30 Aug. 79; Coscarón leg.; Coscarón det.; MLP.

***Simulium* (*Trichodagmia*) *huairayacu*** Wygodzinsky, 1953

ARGENTINA • 2 ♀♀, 5 pupae, 5 larvae (slide), 1 ♂ (pinned); Río Sequia, Las Siete; 23 Oct. 2008; Hernández leg.; Hernández det.; NHMUK • 1 larvae (slide); Huerta Grande, Río Sequia; 23 Oct. 2008; Hernández leg.; MLP.

***Simulium* (*Trichodagmia*) *ibericum*** Crosskey & Santos Grácio, 1985

**Holotype**

PORTUGAL • ♂ (pinned); Rio Dão; 13 Aug. 1971; Crosskey leg.; NHMUK.

**Paratypes**

SPAIN • 30 pupae, 30 larvae (spirit), 2 larvae (slide), 1 ♂ (pinned); Río Ruecas; 27 Aug. 1971; Crosskey leg.; Crosskey det.; NHMUK.

PORTUGAL • 1 ♂, 1 pupa (slide); Rio Dão; 13 Aug. 1971; Crosskey leg.; (NHMUK).

**Other material**

PORTUGAL • 10 pupae, 9 larvae (spirit), 1 ♂ (pinned); Rio Dão; 13 Aug. 1971; Crosskey leg.; NHMUK.

***Simulium* (*Trichodagmia*) *itaunense*** d’Andretta & Dolores González, 1964

BRAZIL • 4 pupae, 20 larvae (spirit), 1 ♀, 1 ♂, 1 larvae (slide); Canela; 16 Jan. 1999; Coscarón leg.; Coscarón det.; MLP • 1 ♀, 1 ♂ (pinned); CSIOC520 • 2 ♀♀, 2 pupae (spirit); CSIOC5411 • 1 ♂, 1 pupae (spirit); CSIOC5414 • 2 larvae (spirit); MNRJ10.197 • 2 pupae, 4 larvae (spirit); MNRJ10.292 • 1 ♀ (spirit); MNRJ10.298 • 2 ♀♀, 3 ♂**♂**, 2 pupae (slide); Rio Grande do Sul; 20 Aug. 1992; Shelley leg.; Hernández det.; NHMUK.

***Simulium* (*Trichodagmia*) *lahillei*** (Paterson & Shannon, 1927)

ARGENTINA • 30 pupae, 30 larvae (spirit); Córdoba; 22 Jun. 1995; Coscarón leg.; MLP • 1 ♂ (pinned); La Cumbre; 7 Jul. 1991; Coscarón leg.; MLP • 1 ♂ (pinned); El Siciliano, Cuesta de Miranda; 1950 m a.s.l.; 2 Feb. 1971; Coscarón leg.; MLP • 1 ♂ (slide); Cuesta del Obispo; 13 Mar. 1992; Coscarón leg.; MLP • 1 larvae (slide); Río Valle Fértil; 13 Jan. 1977; Coscarón leg.; MLP • 2 ♀♀, 1 ♂ (pinned); Horco Molle Reserve; 10 Jun. 2013; Coscarón leg.; MLP • 1 ♀, 1 ♂ (slide); Siambon; Oct. 1973; Coscarón leg.; MLP • 1 ♀, 1 ♂ (slide); Matadero Stream; Jun. 1949; Wygodzinsky leg.; Wygodzinksy det.; NHMUK • 1 pupa, 1 larva (slide); Río Tarceró; 23 Jun. 1995; Coscarón leg.; Coscarón det.; NHMUK.

PERU • 1 ♀ (slide); Río Chirinos; 1200 m a.s.l.; 3 Aug. 1948; Weyrauch leg.; MLP.

***Simulium* (*Trichodagmia*) *larvispinosum*** De León, 1948

UNKNOWN COUNTRY • 30 pupae, 20 larvae (spirit), 2 ♂♂, 2 ♀♀, 1 larva (slide); MLP.

GUATEMALA • 40 larvae (spirit); Lake Atitlan, Río Catarata; 24 Mar. 1951; Dalmat leg.; Coscarón det.; MLP • 1 ♀ (slide); Lake Atitlan, Río Santa Anita, Monte de Oro; 900 m; MLP.

***Simulium* (*Trichodagmia*) *lobatoi*** Luna Dias, Hernández, Maia-Herzog & Shelley, 2004

**Paratypes**

BRAZIL • 1 ♀ (slide); 26 May 1995; Luna Dias, Garritano, Elazaro and Leila leg.; Luna Dias, Hernández, Maia-Herzog and Shelley det.; NHMUK • 3 ♀♀, 2 ♂♂ (slide); Lageado Fall, 4 km from entrance of Sierra da Mesa; 27 Sep. 1997; Luna Dias and Garritano leg.; Luna Dias, Hernández, Maia-Herzog and Shelley det.; NHMUK.

**Other material**

BRAZIL • 4 larvae (slide); Salto de Itiquira; 1 Jul. 2003; Hamada and Silva leg.; Hamada det.; NHMUK • 1 ♂ (slide); Formosa; 8 May 1996; Luna Dias and Garritano leg.; Luna Dias, Hernández, Maia-Herzog and Shelley det.; NHMUK • 3 ♀♀, 3**♂**, 2 pupae (slide); Lageado Falls, 4 km from entrance of Sierra da Mesa; 27 Sep. 1997; Luna Dias and Garritano leg.; Luna Dias, Hernández, Maia-Herzog and Shelley det.; NHMUK.

***Simulium* (*Trichodagmia*) *nigrimanum*** Macquart, 1838

BRAZIL • 4 pupae (slide); CSIOC14448 • 1 ♀ (slide); CSIOC14469 • 1 pupa (slide); CSIOC14503 • 2 larva (slide); CSIOC8196 • 1 larva (slide); MNRJ10819 • 1 ♀ (pinned); Bahia; 2 Aug. 1986; Coscarón leg.; MLP • 1 ♀ (pinned); Distrito Federal; 8 Jun. 1976; Shelley leg.; Shelley det.; MLP • 1 ♀, 2 ♂♂ (pinned); Rio Padre Souza, Km35–Br 153; 26 May 1976; Shelley leg.; Shelley det.; MLP • 1 pupa (spirit); Morangaba; 14–15 May 1994; Campos leg.; Coscarón det.; MLP • 1 ♀ (pinned); Santo Amaro; 24 May 1958; Vulcano leg.; Coscarón det.; MLP • 1 ♀ (slide); Caquetá, Araracoare; 2 Aug. 1977; MLP.

***Simulium* (*Trichodagmia*) *nigrimanum*** as [*S.* *pruinosum* Lutz, 1910]

BRAZIL • 1 ♂ (slide); Distrito Federal; 8 Jun. 1976; Shelley leg.; Shelley det.; MLP • 1 larva (slide); Minas Gerais; Oct. 1986; MLP • 1 ♂ (slide); Minas Gerais; 4 Oct. 1986; Coscarón leg.; MLP • 1 larva (slide); La Amalia; 12 Sep. 1985; MLP • 1 larva (slide); Santa Rosa de Viterbo, Rio Pardo; Sep. 1985; Coscarón leg.; MLP • 1 ♀, 1 ♂, 3 pupae (slide); Santo Amoro; 9 May 1958; Vulcano leg.; MLP.

***Simulium* (*Trichodagmia*) *orbitale*** Lutz, 1910

ARGENTINA • 3 pupae, 15 larvae (spirit); Buenos Aires; 30 May 1996; MLP • 1 pupa (slide); Quequén Salado; 3 Dec. 1993; Coscarón leg.; MLP • 1 ♀, 2 ♂♂, 1 pupae (slide); Río Iguazú; 17 Oct. 1974; Coscarón leg.; MLP • 1 ♂ (slide); Misiones; 30 Oct. 1981; Coscarón Leg; Coscarón det.; MLP.

BRAZIL • 1 ♀ (pinned); Canaã; 6 Mar. 1997; Luna Dias leg.; NHMUK • 3 ♀♀, 3 ♂**♂**, 4 pupae (spirit); CSIOC3415 • 1 ♀ (spirit); CSIOC4987 • 1 ♂ (slide); CSIOC5530 • 2 ♀♀, 2 ♂♂, 4 pupae (slide), 2 ♂♂, 2 pupae (pinned); Foz do Iguaçu National Park; 09 Nov. 1980; Shelley leg.; Shelley det.; NHMUK • 1 ♀, 12 pupae, 6 larvae (spirit); Rio Grande do Sul; 24 Nov. 2000; Coscarón leg.; MLP • 1 ♂ (pinned); Rio Uruguay; 22 Jul. 1992; Shelley leg.; MLP.

PARAGUAY • 1 larva (slide); Río Acary; 12 Jul. 1971; Coscarón leg.; Coscarón det.; MLP.

***Simulium* (*Trichodagmia*) *paynei*** Vargas, 1942

UNKNOWN COUNTRY • 18 pupae, 20 larvae (spirit); Coscarón det.; MLP.

COLOMBIA • 1 ♀, 1 larva (slide); Río Dulce; 1800 m a.s.l.; 8 Aug. 1967; Wygodzinsky leg.; MLP • 1 ♂ (pinned); Valle del Cauca; Wygozinsky leg.; Coscarón det.; MLP.

COSTA RICA • 1 ♀, 3**♂** (pinned); “Unnamed Stream after Rio Sereno, near bridge”; 25 Feb. 2010; Hernández and Chaverri leg.; Hernández det.; NHMUK • 3 ♀♀, 1 ♂ (pinned); San Vilo, Río López; 26 Jan. 2010; Hernández and Chaverri leg.; Hernández det.; NHMUK.

ECUADOR • 1 ♂, 1 larva (spirit); Imbabura; 9 Sep. 1983; Shelley and Arzube leg.; Shelley det.; NHMUK • 1 pupa (spirit); Imbabura, Río Palacama; 2 Oct. 1983; Shelley and Arzube det.; NHMUK • 1 pupa, 3 larvae (spirit); Imbabura, Río Salado; 2 Oct. 1983; Shelley and Arzube det.; NHMUK.

GUATEMALA • 2 ♀♀ (pinnet); Chimaltenango; 16 Nov. 1948; Dalmat leg.; MLP • 1 ♀ (slide); Sipres, Pajales; 15 Oct. 1948; Dalmat leg.; MLP.

MEXICO • 3 pupae, 15 larvae (slide); MNRJ10.279 • 1 ♂ (slide); Huatusco; 20 Jul. 1992; Coscarón leg.; Coscarón det.; MLP.

VENEZUELA • 20 larvae (spirit); Mérida; 6 Oct. 1980; Coscarón leg.; Coscarón det.; MLP • 1 ♂ (spirit); Mérida; Ramírez-Pérez leg.; NHMUK.

***Simulium* (*Trichodagmia*) *pictipes*** Hagen, 1880

CANADA • 10 larvae (spirit); Tulibu Lake outlet; 26 May 79; NHMUK • 1 ♂ (pinned), 11 pupae (spirit); Oxtongue River, Marsh’s Falls; 28 Jun. 1962; Davies and Woods leg.; NHMUK • 1 ♀ (pinned); Ottawa, Fitzroy Harbour; 11 Sep. 1936; NHMUK • 4 larvae (spirit); Crackinastone River, Uranium City; 20 Aug. 1979; Ciborowski leg.; NHMUK.

USA • 1 ♀ (pinned); “Bartlett bay of Glacier Bay”; NHMUK • 2 ♀♀, 3 ♂**♂** (pinned); Ithaca; 1903; Townsed leg.; Roubaud det.; NHMUK • 5 larvae, 5 pupae (spirit); Ithaca, Fall Creek; May–Jul. 1933; Smart leg.; NHMUK.

***Simulium* (*Trichodagmia*) *pulverulentum*** Knab, 1915

BELIZE • 2 ♀♀, 6 ♂**♂** (slide); Blanco River; 19 Mar. 2001; Shelley and Hernández leg.; Shelley and Hernández det.; NHMUK • 1 ♀, 1 pupa (slide); Cayo District, San Ignacio; 15 Mar. 2001; Shelley and Hernández leg.; NHMUK.

GUATEMALA • 2 larvae (spirit); Acatenago; MLP • 1 ♂ (slide); Escuintla, Río Limón; 8 Jun. 1951; Dalmat leg.; MLP.

HONDURAS • 2 ♀♀ (pinned); “Punta Gorda, US Nat Mus BM 1952-404” Norton leg.; NHMUK.

MEXICO • 2 pupae (spirit); Morelos, Río Guamnzec; 15 Jan. 1983; Ibañez leg.; MLP • 1 pupa (slide); Huatusco; 20 Jun. 1992; Coscarón leg.; Coscarón det.; MLP.

VENEZUELA • 1 ♀, 1 larva (slide); Monagas, San Antonio; 2150 m; Perez leg.; MLP.

***Simulium* (*Trichodagmia*) *rubrithorax*** Lutz, 1909

BRAZIL • 1 ♀ (spirit); MNRJ10.045 • 1 ♀ (spirit); MNRJ10.046 • 1 pupa (spirit); MNRJ10.047 • 8 pupae (spirit); MNRJ10.052 • 1 larva (spirit); MNRJ10.145 • 3 pupae (spirit); MNRJ10.131 • 2 larvae (slide); MNRJ10.155 • 1 ♂ (pinned); CSIOC863 • 1 ♂ (pinned); CSIOC10924 • 1 ♀ (pinned); CSIOC15987 • 1 ♀ (pinned); CSIOC16269 • 2 ♀♀, 2 ♂♂, 19 pupae (spirit); CSIOC17190 • 1 ♂ (spirit); CSIOC2121 • 1 ♀ (spirit); CSIOC2256 • 1 ♀, 1 ♂ (slide); São José do Barreiro; 30 Aug. 1979; Coscarón leg.; MLP • 1 pupa (slide); Goias, Stream DF2; 5 Jun. 1976; Shelley leg.; MLP • 1 ♀, 1 pupa (slide); Minas Gerais, Pedralva; 19–22 May 1979; Crosskey and Shelley leg.; Shelley det.; NHMUK • 2 ♀♀, 2 ♂♂, 2 pupae (slide); Serra da Bocaina, Km 264; 15–18 May 1979; Crosskey and Shelley leg.; Shelley det.; NHMUK.

***Simulium* (*Trichodagmia*) *scutistriatum*** Lutz, 1909

UNKNOWN COUNTRY • 1 ♀ (slide); MLP.

BRAZIL • 2 ♀♀, 2 ♂♂, 1 pupa (slide); Chapada Diamantina, Rio Cumbuca; 2 Jul. 2003; Hamada and Silva Leg; Hernández det.; NHMUK • 3 ♀♀, 1 ♂, 2 pupae, 1 larva (slide); Serrá do Cipó, Rio Cavipara; 4 Sep. 1979; Sazima leg.; Coscarón det.; MLP • 20 ♀♀, 20 pupae (spirit); Serrá do Cipó, Rio Cavipara; 9 Feb. 1994; Coscarón det.; MLP • 3 larvae (slide); Vale do Corisco; 3 May 1986; Coscarón leg.; MLP • 1 ♀ (pinned); Tijuca National Park, Represa dos Ciganos; 10 Jul. 1984; Herzog and Figueiredo leg.; Malaguti det.; NHMUK.

***Simulium* (*Trichodagmia*) *tarsatum*** Macquart, 1846 as [*S. seriatum* Knab, 1914]

**Holotype**

COLOMBIA • ♀ (slide); “Bigot Collection BM 1960-1539”; NHMUK.

**Other material**

BELIZE • 5 ♀♀, 2 ♂♂ (pinned); Bailarina Camp, Mt Pine Ridge; 10 Mar. 2001; Shelley and Hernández leg.; Shelley det.; NHMUK.

COLOMBIA • 2 ♀♀ (pinned); Mitu; Aug. 1967; Marinkelle leg.; Coscarón det.; MLP.

ECUADOR • 7 pupae, 2 larvae (spirit); MNRJ10.280 • 1 ♂ (pinned); Sacramento; 550 m a.s.l.; 4 Nov. 1986; Coscarón leg.; Coscarón det.; MLP • 3 ♀♀, 3 ♂**♂** (pinned); 1250 m a.s.l.; 18 Jun. 1983; Rawlins leg.; NHMUK.

PERU • 1 ♀ (slide); 1928; Shannon leg.; MLP • 2 larvae (slide); Valle Rima; 1200 m a.s.l.; 7 Aug. 1965; Wygodzinsky leg.; MLP.

TRINIDAD AND TOBAGO • 1 larva (slide); Tunapuna/Piarco, Arouca; Aug. 1968; Davies leg.; MLP • 1 ♀, 1 **♂** (slide); Diego Martin, Blue Basin; Mai 1967; Davies leg.; MLP.

VENEZUELA • 1 ♂ (slide); Acosta, Las Piñas; MLP.

***Simulium* (*Trichodagmia*) *tarsatum*** as [*S. mexicanum* Bellardi, 1862]

UNKNOWN COUNTRY • 2 ♀♀, 1 ♂ (pinned); 18 Nov. 1948; Dalmat leg.; MLP.

BELIZE • 2 ♀♀, 1 ♂ (slide); Rio Frio Caves, Mt Pine Ridge; 10 Mar. 2001; Shelley and Hernández leg.; NHMUK • 1 ♂ (pinned); Bailarina Camp, Mt Pine Ridge; 10 Mar. 2001; Shelley and Hernández leg.; Shelley det.; NHMUK.

ECUADOR • 12 pupae, 4 larvae (slide); 4 km below of San Miguel de Cayapas, Río San Miguel; Shelley and Arzube leg.; Shelley det.; NHMUK • 30 larvae (slide); Pichincha, Quito-Santo Domingo road, Lelia Stream; 640 m a.s.l.; 29 Sep. 1983; Shelley and Arzube leg.; Shelley det.; NHMUK.

GUATEMALA • 2 ♀♀, 1 ♂ (slide); Chimaltenango, Acatenango, Río Kebiya, Chalabal farm; 1 Oct. 1948; Dalmat leg.; MLP.

MEXICO • 2 pupae (slide); Fortín; Oct. 1946; Parra leg.; MLP • 1 ♂ (pinned); San Martín; Sep. 1946; Parra leg.; MLP.

***Simulium* (*Trichodagmia*) *virgatum*** Coquillett, 1902

BELIZE • 4 ♀♀, 1 pupa (slide); Cayo District, Pine Ridge Mt; 11 Mar. 2001; Shelley and Hernández leg.; Shelley and Hernández det.; NHMUK.

CANADA • 2 ♀♀ (slide); Qualium Bay, Horne Lake; Jun. 1955; McGilis leg.; Shewell det.; NHMUK.

GUATEMALA • 2 ♀♀ (pinned); Chimaltenango; 12 Apr. 1949; Dalmat leg.; Dalmat det.; MLP • 3 ♀♀, 2 pupae (spirit); MLP • 1 ♀, 1 ♂ (slide); Chalabal; 23 Apr. 1959; Dalmat leg.; Dalmat det.; MLP.

PANAMA • 3 ♀♀, 5 ♂**♂** (pinned); Coclé, Antón River; 560 m a.s.l.; 1–6 Jul. 1985; Shelley leg.; Couch det.; NHMUK.

USA • 6 pupae, 20 larvae (spirit); Arizona, Globe, Coon Creck; 26 Feb. 1995; Crosskey leg.; Crosskey det.; NHMUK • 1 ♀, 1 ♂ (slide); Texas, Uvalde Country; 21 Apr. 1941; Stone leg.; NHMUK • 1 ♂, 1 pupa (slide); California; MLP.

***Simulium* (*Xenosimulium*) *ambositrae*** Grenier & Grjebine, 1959

MADAGASCAR • 1 pupa, 3 larvae (spirit); Crosskey leg.; NHMUK.

***Simulium* (*Xenosimulium*) *imerinae*** Roubaud, 1905

MADAGASCAR • 1 ♀, 1 ♂, 1 pupa, 1 larva (slide); NHMUK • 1 ♀ (pinned); Alaotra Lake; Sep. 1949; NHMUK • 3 ♀♀, 1 pupa, 1 larva (spirit); Betsiboka River; 1 Apr. 91; NHMUK • 1 ♂ (pinned); De-Meillon leg.; NHMUK • 1 ♂ (pinned); Sep. 1949; De-Meillon leg.; NHMUK • 1 ♂ (slide); De-Meillon leg.; NHMUK • 7 pupae, 2 larvae (spirit); Betsiboka River; 6 Nov. 1995; NHMUK • 40 larvae (spirit); Ampasimadinika; 28 Oct. 1998; NHMUK • 5 pupae, 2 larvae (spirit); Fahitita Village, Ambosetra Rd; 26 Sep. 1949; De-Meillon leg.; NHMUK.

***Simulium* (*Xenosimulium*) *iphias*** De-Meillon, 1951

MADAGASCAR • 1 pupa, 2 larvae (slide) (NHMUK) • 10 pupae (spirit) “Mangoro River. 10.iii.93”; NHMUK • 52 larvae (spirit) “Mangoro River. 10.iii.95”; NHMUK • 5 pupae, 1 larva (spirit) “Amoron'i Mania. Ambositra. Sant Anna. 27.viii.1949. De-Meillon Leg.”; NHMUK.

***Simulium* (*Xenosimulium*) *neireti*** Roubaud, 1905

**Paralectotypes**

MADAGASCAR • 2 ♀♀ (slide); Analamanga, Kiangara; NHMUK • 3 ♀♀ (pinned); Betsiboka, Tsaratanana; 1200–1400 m a.s.l.; 28 Nov. 1907; Holden leg.; NHMUK • 1 ♀ (pinned); Atsimo-Andrefana, Andranolava; 29 Oct. 1097; Lloyd leg.; NHMUK.

**Other material**

MADAGASCAR • 2 ♀♀ (slide); NHMUK • 5 ♀♀ (pinned); 29 Oct. 1997; Lloyd leg.; NHMUK • 1 ♀ (pinned); Betsiboka, Tsaratanana; 1200–1400 m a.s.l.; 28 Nov. 1907; Holden leg.; NHMUK.

***Simulium* *oviedoi*** Ramírez-Pérez, 1971

VENEZUELA • 1 ♀, 2 ♂♂, 2 larvae (slide); Mérida, Santo Domingo, Camino Apartaderos; 3500 m a.s.l.; 16–26 Feb. 1968; Wygodzinsky leg.; Coscarón det.; MLP • 1 ♂ (slide); Mérida, Páramo; 4100 m a.s.l.; 6 Oct. 1980; Wygodzinsky leg.; Coscarón det.; MLP • 7 pupae, 11 larvae (spirit); Mérida; 3850 m a.s.l.; 18 Feb. 1968; Wygodzinsky leg.; Coscarón det.; MLP.

***Simulium* *rivasi*** Ramírez-Pérez, 1971

VENEZUELA • 1 ♂, 2 larvae (slide); Mérida; 3850 m a.s.l.; 13 Feb. 1968; Wygodzinsky leg.; Coscarón det.; MLP • 2 pupae, 12 larvae (spirit); Mérida, Santo Domingo, Camino Apartaderos; 3500 m a.s.l.; 16–26 Feb. 1968; Wygodzinsky leg.; Coscarón det.; MLP.

The following species were codified based only on the bibliography: *Simulium* *carolinae* De-León, 1945; *Simulium* *griveaudi* Ovazza & Ovazza, 1970; *Simulium* *hieroglyphicum* Peterson, Vargas & Ramírez-Pérez, 1988; *Simulium* *innoxium* Comstock & Comstock, 1895; *Simulium* *margaritae* (Rubtsov, 1956); *Simulium* *townsendi* Malloch, 1912.