

Article V.—TYPES OF LEPIDOPTERA IN THE COLLECTION OF THE AMERICAN MUSEUM OF NATURAL HISTORY.

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Since the publication of the lists of the types of Lepidoptera in the Grote and Robinson and Henry Edwards collections which appeared in the Museum Bulletin, Volume IV, 1893, pages 59-64 and 167-198, respectively, the following types have been added to the Museum Collection. A few species are also added which were omitted from the previous lists. Part I consists of North American species, and Part II of African species.

PART I.

LYCÆNIDÆ.

- Thecla ilavia* *Beuten.*, Journ. N. Y. Ent. Soc., Vol. VII, 1899, p. 254.
Two males and two females. Texas.
- Thecla crysalis* var. *citima* *Hy. Edw.*, Papilio, Vol. I, 1881, p. 53.
One female. Summit of Cañon Mt., Utah.
- Lycæna ardea* *Edw.*, Trans. Am. Ent. Soc., Vol. III, 1871, p. 209.
One male. Nevada.

PIERIDÆ.

- Callidryas fisheri* *Hy. Edw.*, Papilio, Vol. III, 1883, p. 43.
One male. La Paz, Lower California.

SATYRIDÆ.

- Chionobas macounii* *Edw.*, Can. Ent., Vol. XVII, 1885, p. 71.
One male. Nepigon, Canada.

BOMBYCIDÆ.

- Triprocris lustrans* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. VI, 1894,
p. 367.
One male. Colorado.
- Olene montana* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. XIX, 1903,
p. 585.
Male and female, larva and cocoons. Black Mountains, North Carolina.
- Euhyparpax rosea* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. V, 1893,
p. 19.
One male. Colorado.

NOCTUIDÆ.

- Acronycta pacifica** *Smith*, Ent. News, Vol. VIII, 1897, p. 148.
Two males (cotypes). California.
- Acronycta hesperida** *Smith*, Ent. News, Vol. VIII, 1897, p. 148.
Three females (cotypes). Tacoma, Washington.
- Acronycta frigida** *Smith*, Ent. News, Vol. VIII, 1897, p. 148.
Two females (cotypes). California.
- Mamestra altua** *Smith*, Trans. Am. Ent. Soc., Vol. XXVII, 1901, p. 236.
Two males and two females (cotypes). Utah; Colorado.
- Mamestra davena** *Smith*, Trans. Am. Ent. Soc., Vol. XXVII, 1901, p. 237.
Two males and four females (cotypes). Sierra Nevada, California, and Colorado.
- Mamestra megarena** *Smith*, Trans. Am. Ent. Soc., Vol. XXVII, 1901, p. 236.
Male and female (cotypes). Glenwood Springs, Colorado.
- Mamestra lucina** *Smith*, Trans. Am. Ent. Soc., Vol. XXVII, 1901, p. 236.
Two males and one female. Winnipeg, Canada.
- Leucania neptis** *Smith*, Proc. U. S. Nat. Mus., Vol. XXV, 1902, p. 188
Two males (cotypes). Ft. Collins, Colorado.
- Leucania rubipalleus** *Smith*, Proc. U. S. Nat. Mus., Vol. XXV, 1892, p. 182.
One male and two females (cotypes). Utah, and Sierra Nevada, California.
- Leucania palliseca** *Smith*, Proc. U. S. Nat. Mus., Vol. XXV, 1902, p. 203.
Two females (cotypes). California.
- Catocala frenchii** *Poling*, Can. Ent., Vol. XXXIII, 1901, p. 125.
One male (cotype). British Columbia.
- Catocala faustina** var. *carlota* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 212, fig. 1.
One female. Sierra Nevada, California.
- Catocala relicta** var. *clara* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. XIX, 1903, p. 506.
Several specimens. New York.
- Catocala aholibah** var. *coloradensis* *Beuten.*, Bull. Am. Mus. Nat. Hist. Vol. XIX, 1903, p. 507.
One specimen. Glenwood Springs, Colorado.
- Catocala amica** var. *suffusa* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. XIX, 1903, p. 508. One male. Texas.
- Catocala aspasia** var. *sierreæ* *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 212.
Three specimens. Sierra Nevada, California.

SESIIDÆ.

- Melittia magnifica** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. XII, 1899, p. 151.
One female. Texas.
- Ægeria emphytiformis** *Walk.*, Cat. Lepid. Brit. Mus., Pt. VIII, 1856, p. 43 (= *Gaëa emphytiformis*).
One female. (Locality not known.)
- Trochilium luggeri** *Hy. Edw.*, Psyche, Vol. VI, 1891, p. 108, pl. iii, fig. 3 (= *Memythrus simulans* Gr.).
One female. Minnesota.
- Sciapterone dollii** var. **castaneum** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 213 (= *Memythrus dollii* var. *castaneus*).
Male and female. Kentucky.
- Sanninoidea exitiosa** var. **edwardsii** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. XII, 1899, p. 160.
One female. New York.
- Sesia deceptiva** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. VI, 1894, p. 93 (= *Sesia gilie* Hy. Edw.).
Two males. Colorado.
- Sesia arizonæ** *Beuten.*, Journ. N. Y. Ent. Soc., Vol. VI, 1898, p. 240.
One female. Arizona.
- Sesia culiciformis** var. **americana** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. VIII, 1896, p. 136 (= *Sesia americana* *Beuten.*).
One male and three females. Nevada.
- Sesia ithacæ** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 215.
Male and female. Ithaca, New York.
- Ægeria rubristigma** *Kellicott*, Can. Ent., Vol. XXIV, 1892, p. 211 (= *Sesia rubristigma*).
One male. Ohio.
- Sesia sigmoidea** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 214, 220.
Male and female. New Hampshire; Massachusetts.
- Sesia palmii** *Beuten.*, Journ. N. Y. Ent. Soc., Vol. X, 1902, p. 126.
One male. Arizona.
- Sesia tacoma** *Beuten.*, Journ. N. Y. Ent. Soc., Vol. VI, 1898, p. 240.
Two males and four females. Mt. Ranier, Washington.
- Sesia seminole** *Beuten.*, Journ. N. Y. Ent. Soc., Vol. VII, 1899, p. 255.
One male and two females. Lake Worth, Florida.
- Sesia marica** *Beuten.*, Journ. N. Y. Ent. Soc., Vol. VII, 1899, p. 254.
One male. Punta Gorda, Florida.
- Sesia mariona** *Beuten.*, Mem. Am. Mus. Nat. Hist., Vol. I, Pt. VI, 1901, p. 308.
One female. Colorado.
- Ægeria edwardsii** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. VI, 1894, p. 92 (= *Sesia edwardsii*).
One female. Colorado.

- Carmenta nigra** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. VI, 1894, p. 95 (= *Sesia nigra*).
One female. Utah.
- Pyrrhotænia coccinea** *Beuten.*, Journ. N. Y. Ent. Soc., Vol. VI, 1898, p. 241 (= *Calasesia coccinea*).
One female. New Mexico.
- Larunda palmii** *Neum.*, Ent. News, Vol. II, 1891, p. 108 (= *Paranthrene palmii*).
One male. Arizona.
- Zenodoxus mexicanus** *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 216 (= *Paranthrene mexicanus*).
One female. New Mexico.

PART II.

BOMBYCIDÆ.

- Orgyia ticana** *Schaus*, Lepid. Sierra Leone, 1893, p. 27, pl. i, fig. 11.
One male. Sierra Leone, Africa.
- Heterolepis plotzi** *Schaus*, Lepid. Sierra Leone, 1893, p. 27, pl. ii, fig. 1.
One male. Sierra Leone, Africa.
- Redoa laba** *Schaus*, Lepid. Sierra Leone, 1893, p. 25, pl. i, fig. 4.
Male and female. Sierra Leone, Africa.
- Stibolepis odites** *Schaus*, Lepid. Sierra Leone, 1893, p. 30, pl. i, fig. 9.
One male. Sierra Leone, Africa.
- Anace burra** *Schaus*, Lepid. Sierra Leone, 1893, p. 23, pl. i, fig. 6.
One male. Sierra Leone, Africa.
- Aletis flammea** *Schaus*, Lepid. Sierra Leone, 1893, p. 24, pl. ii, fig. 2.
One female. Sierra Leone, Africa.
- Artaxa modesta** *Schaus*, Lepid. Sierra Leone, 1893, p. 26, pl. ii, fig. 4.
One male. Sierra Leone, Africa.
- Gonometa matuta** *Schaus*, Lepid. Sierra Leone, 1893, p. 32, pl. ii, fig. 8.
Male and female. Sierra Leone, Africa.
- Homochroa orphne** *Schaus*, Lepid. Sierra Leone, 1893, p. 31, pl. i, fig. 7.
Male and female. Sierra Leone, Africa.
- Lasiocampa heres** *Schaus*, Lepid. Sierra Leone, 1893, p. 31, pl. i, fig. 8.
Two males and one female. Sierra Leone, Africa.
- Lasiocampa mæra** *Schaus*, Lepid. Sierra Leone, 1893, p. 32, pl. ii, fig. 5.
One male. Sierra Leone, Africa.
- Miresa syrtis** *Schaus*, Lepid. Sierra Leone, 1893, p. 28, pl. ii, fig. 3.
One male. Sierra Leone, Africa.
- Taragama postalbida** *Schaus*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 325.
Male and female. Sierra Leone, Africa.
- Trabaloides citrina** *Schaus*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 326.
Male and female. Sierra Leone, Africa.

- Trisula magnifica** *Schaus*, Lepid. Sierra Leone, 1893, p. 38, pl. iii, fig. 8.
One female. Sierra Leone, Africa.
- Utidava citana** *Schaus*, Lepid. Sierra Leone, 1893, p. 26, pl. i, fig. 10.
One male. Sierra Leone, Africa.
- Syntomis divalis** *Schaus*, Lepid. Sierra Leone, 1893, p. 21, pl. i, fig. 2.
One male. Sierra Leone, Africa.
- Lælia fracta** *Schaus*, Lipid. Sierra Leone, 1893, p. 26, pl. i, fig. 12.
One male. Sierra Leone, Africa.
- Lælia rosea** *Schaus*, Lepid. Sierra Leone, 1893, p. 26, pl. i, fig. 5.
One male. Sierra Leone, Africa.
- Metanastria clementi** *Schaus*, Bull. Am. Mus. Nat. Hist., Vol. IX, 1897, p. 325.
Male and female. Sierra Leone, Africa.

NOCTUIDÆ.

- Birtha talusina** *Schaus*, Lepid. Sierra Leone, 1893, p. 37, pl. iii, fig. 12.
One male. Sierra Leone, Africa.
- Ochroleura talda** *Schaus*, Lepid. Sierra Leone, 1893, p. 33, pl. iii, fig. 1.
One female. Sierra Leone, Africa.
- Opigena accipeter** *Schaus*, Lepid. Sierra Leone, 1893, p. 33, pl. ii, fig. 7.
One male. Sierra Leone, Africa.
- Perigea africana** *Schaus*, Lepid. Sierra Leone, 1893, p. 33, pl. ii, fig. 10.
One female. Sierra Leone, Africa.
- Gonitis leonis** *Schaus*, Lepid. Sierra Leone, 1893, p. 36, pl. iii, fig. 10.
One male. Sierra Leone, Africa.
- Leocyma pollusca** *Schaus*, Lepid. Sierra Leone, 1893, pl. ii, fig. 12.
One female. Sierra Leone, Africa.
- Leocyma polla** *Schaus*, Lepid. Sierra Leone, 1893, pl. ii, fig. 11.
One female. Sierra Leone, Africa.
- Leocyma fustina** *Schaus*, Lepid. Sierra Leone, 1893, pl. ii, fig. 9.
One female. Sierra Leone, Africa.
- Meliana bertha** *Schaus*, Lepid. Sierra Leone, 1893, p. 34, pl. iii, fig. 3.
One male. Sierra Leone, Africa.
- Calobachyla silona** *Schaus*, Lepid. Sierra Leone, 1893, p. 40, pl. iii, fig. 5.
One female. Sierra Leone, Africa.
- Hydrillodes janalis** *Schaus*, Lepid. Sierra Leone, 1893, p. 41, pl. iii, fig. 11.
One female. Sierra Leone, Africa.
- Hypena saltalis** *Schaus*, Lepid. Sierra Leone, 1893, p. 40, pl. iii, fig. 14.
One female. Sierra Leone, Africa.
- Hypena ? ducalis** *Schaus*, Lepid. Sierra Leone, 1893, p. 40, pl. iii, fig. 13.
One male. Sierra Leone, Africa.
- Focilla docta** *Schaus*, Lepid. Sierra Leone, 1893, p. 39, pl. iii, fig. 15.
One male. Sierra Leone, Africa.
- Xanthoptera colla** *Schaus*, Lepid. Sierra Leone, 1893, p. 35, pl. iii, fig. 6.
One female. Sierra Leone, Africa.

- Xanthoptera allecta** *Schaus*, Lepid. Sierra Leone, 1893, p. 36, pl. iii, fig. 4.
One female. Sierra Leone, Africa.

PYRALIDÆ.

- Coptobasis leonalis** *Schaus*, Lepid. Sierra Leone, 1893, p. 45, pl. iii, fig. 9.
One female. Sierra Leone, Africa.
- Cirrochrista saltusalis** *Schaus*, Lepid. Sierra Leone, 1893, p. 45, pl. iii, fig. 9.
One female. Sierra Leone, Africa.
- Dichrocrocis fuscoalbalis** *Hamp.*, Proc. Zoöl. Soc. London, 1898, p. 292.
One male. Sierra Leone, Africa.
- Phryganodis erebusalis** *Hamp.*, Proc. Zoöl. Soc. London, 1898, p. 678.
One male (cotype). Sierra Leone, Africa.
- Chalcidoptera bilunalis** *Hamp.*, Proc. Zoöl. Soc. London, 1898, p. 665.
One male. Sierra Leone, Africa.
- Sylepta megastigmalis** *Hamp.*, Proc. Zoöl. Soc. London, 1898, p. 723.
One male. Sierra Leone, Africa.
- Sylepta clementii** *Hamp.*, Proc. Zoöl. Soc. London, 1898, p. 716, pl. xlix, fig. 11.
One female. Sierra Leone, Africa.

The following species, I am informed, will be described by Sir George F. Hampson in a forthcoming paper on Pyralidæ.

- Paraglossa zonalis** *Hamp.* (MS.).
One male (cotype). Sierra Leone, Africa.
- Strigulina rhodoplagia** *Hamp.* (MS.).
One male (cotype). Sierra Leone, Africa.
- Tegulifera chrysoproctalis** *Hamp.* (MS.).
One male (cotype). Sierra Leone, Africa.
- Tegulifera vinotinctalis** *Hamp.* (MS.).
One male (cotype). Sierra Leone, Africa.
- Tyndis pictimarginalis** *Hamp.* (MS.).
One male (cotype). Fiji.
- Rhodo neura micragraphalis** *Hamp.* (MS.).
One male (cotype). Sierra Leone, Africa.
- Rhodoneura latizonalis** *Hamp.* (MS.).
One female. Sierra Leone, Africa.