

Article III. — THE TYPES OF CYNIPIDÆ IN THE COLLECTION OF THE AMERICAN MUSEUM OF NATURAL HISTORY.

By WILLIAM BEUTENMÜLLER.

Through the kindness and generosity of Mrs. Margaret Bassett, widow of the late Homer F. Bassett, the well-known authority on North American Cynipidæ, the Museum came in possession of the types of Gall-flies and Galls described by Bassett, mentioned in the present paper.

The material is a selection of duplicate types of the Bassett collection which has been deposited with the American Entomological Society.

The species given in the supplement of this paper were presented to the American Museum of Natural History many years ago by Baron Osten Sacken. These specimens are not the original types, but may be classed as cotypes. They were selected from the Osten Sacken collection, as far as I am aware, before the same was deposited in the Cambridge Museum.

Rhodites bassettii *Beuten.*, Bull. Am. Mus. Nat. Hist., Vol. IV, 1892, p. 248, pl. ix, fig. 7.

Gall-flies and galls.

Rhodites lenticularis *Bass.*, Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 59.

Gall-flies and galls.

Rhodites tumidus *Bass.*, Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 60.

Gall-flies and galls.

Rhodites variabilis *Bass.*, Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 61.

Gall-flies and galls.

Diastrophus potentillæ *Bass.*, Proc. Ent. Soc. Phila., Vol. III, 1864, p. 689.

Gall-flies and galls.

Diastrophus radicum *Bass.*, Can. Ent., Vol. II, 1870, p. 98.

Gall-flies and galls.

Diastrophus turdigus *Bass.*, Can. Ent., Vol. II, 1870, p. 99.

Gall-flies and galls.

Aulax tumidus *Bass.*, Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 92.

Gall-flies and galls.

- Aulax podagræ** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XVII, 1890, p. 91.
Gall-flies and galls.
- Amphibolips ilicifoliæ** *Bass.*, *Proc. Ent. Soc. Phila.*, Vol. III, 1864, p. 682 (*Cynips*).
Galls only.
- Amphibolips gainesi** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XXVI, 1900, p. 322.
Galls only.
- Amphibolips sculptus** *Bass.*, *Proc. Ent. Soc. Phila.*, Vol. II, 1863, p. 324 (*Cynips*).
Gall-flies and galls.
- Andricus patiens** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XXVI, 1900, p. 312.
Gall-flies only.
- Andricus exiguus** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XXVI, 1900, p. 318.
Gall-flies only.
- Andricus piger** *Bass.*, *Can. Ent.*, Vol. XIII, 1881, p. 105 (*Cynips pigra*).
Gall-flies and galls.
- Andricus piperoides** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XXVI, 1900, p. 314.
Gall-flies and galls.
- Andricus crystallinus** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XXVI, 1900, p. 319.
Galls only.
- Andricus utriculus** *Bass.*, *Can. Ent.*, Vol. XIII, 1881, p. 78 (*Cynips*).
Gall-flies and galls.
- Andricus pomiformis** *Bass.*, *Can. Ent.*, Vol. XIII, 1881, p. 74 (*Cynips*).
Gall-flies and galls.
- Andricus speciosus** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XVII, 1890, p. 81.
Gall-flies and galls.
- Andricus capsula** *Bass.*, *Can. Ent.*, Vol. XIII, 1881, p. 101 (*Cynips*).
Gall-flies and galls.
- Andricus ashmeadii** *Bass.*, *Trans. Am. Ent. Soc.*, Vol. XXVI, 1900, p. 320.
Gall-flies only.
- Andricus batatoides** *Ashm.*, *Trans. Am. Ent. Soc.*, Vol. IX, 1881, p. xi.
Gall-flies and galls.
- Callirhytis osten-sackenii** *Bass.*, *Proc. Ent. Soc. Phila.*, Vol. II, 1863, p. 327 (*Cynips*).
Gall-flies and galls.
- Callirhytis clavula** *Bass.*, *Proc. Ent. Soc. Phila.*, Vol. IV, 1864, p. 351 (*Cynips*).
Gall-flies and galls.
- Callirhytis agrifoliæ** *Bass.*, *Can. Ent.*, Vol. XIII, 1881, p. 53 (*Cynips*).
Gall-flies and galls.

- Callirhytis scitula** Bass., Proc. Ent. Soc. Phila., Vol. III, 1864, p. 683
(*Cynips*).
Gall-flies and galls.
- Callirhytis singularis** Bass., Proc. Ent. Soc. Phila., Vol. II, 1863, p. 326
(*Cynips*).
Gall-flies and galls.
- Callirhytis similis** Bass., Proc. Ent. Soc. Phila., Vol. III, 1864, p. 685
(*Cynips*).
Gall-flies and galls.
- Callirhytis californicus** Bass., Can. Ent., Vol. XIII, 1881, p. 51 (*Cynips*).
Gall-flies and galls.
- Callirhytis clarkei** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 79.
Gall-flies and galls.
- Callirhytis cicatricula** Bass., Can. Ent., Vol. XIII, 1881, p. 101. (*Cynips*.);
Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 80 (*Andricus*).
Gall-flies and galls.
- Callirhytis pulchra** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 73.
Gall-flies and galls.
- Callirhytis punctata** Bass., Proc. Ent. Soc. Phila., Vol. II, 1863, p. 324
(*Cynips*).
Gall-flies and galls.
- Callirhytis suttonii** Bass., Can. Ent., Vol. XIII, 1881, p. 54 (*Cynips*).
Gall-flies and galls.
- Callirhytis tuberosa** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900,
p. 311.
Gall-flies and galls.
- Acraspis macrocarpæ** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890,
p. 84.
Gall-flies and galls.
- Acraspis gillettii** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 323.
Gall-flies and galls.
- Biorhiza hirta** Bass., Proc. Ent. Soc. Phila., Vol. III, 1864, p. 688
(*Cynips*).
Gall-flies and galls.
- Loxaulis mammula** Bass., Can. Ent., Vol. XIII, 1881, p. 76 (*Cynips*).
Gall-flies and galls.
- Dryophanta bella** Bass., Can. Ent., Vol. XIII, 1881, p. 93 (*Cynips*).
Galls only.
- Dryophanta eburneus** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890,
p. 70.
Gall-flies and galls.
- Dryophanta gemmula** Bass., Can. Ent., Vol. XIII, 1881, p. 104
(*Cynips*).
Gall-flies and galls.
- Dryophanta papula** Bass., Can. Ent., Vol. XIII, 1881, p. 107 (*Cynips*).
Gall-flies and galls.

- Dryophanta ignota** Bass., Can. Ent., Vol. XIII, 1881, p. 106 (*Cynips*).
Gall-flies and galls.
- Dryophanta pumiliventris** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 69.
Gall-flies and galls.
- Neuroterus floccosus** Bass., Can. Ent., Vol. XIII, 1881, p. 111 (*Cynips*).
Gall-flies and galls.
- Neuroterus tectus** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 331.
Gall-flies and galls.
- Neuroterus majalis** Bass., Proc. Ent. Soc. Phila., Vol. III, 1864, p. 683 (*Cynips*).
Gall-flies and galls.
- Neuroterus favosus** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 87.
Gall-flies and galls.
- Neuroterus distortus** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 336.
Gall-flies and galls.
- Neuroterus batatus** Bass. (summer form), Proc. Ent. Soc. Phila., Vol. III, 1864, p. 684 (*Cynips*).
Gall-flies and galls.
- Neuroterus batatus** (*Fitch*) Bass. (winter form), Proc. Ent. Soc. Phila., Vol. III, 1864, p. 684 (*Cynips*).
Gall-flies and galls.
- Neuroterus umbilicatus** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 330.
Galls only.
- Neuroterus exiguissimus** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 332.
Gall-flies and galls.
- Neuroterus vesicula** Bass., Can. Ent., Vol. XIII, 1881, p. 97 (*Cynips*).
Gall-flies and galls.
- Neuroterus exiguus** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 333.
Gall-flies and galls.
- Neuroterus pallidus** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 88.
Gall-flies and galls.
- Neuroterus minutus** Bass., Can. Ent., Vol. XIII, 1881, p. 96 (*Cynips*).
Gall-flies and galls.
- Neuroterus affinis** Bass., Can. Ent., Vol. XIII, 1881, p. 103 (*Cynips*).
Gall-flies and galls.
- Neuroterus noxiosus** Bass. (summer form), Can. Ent., Vol. XIII, 1881, p. 108 (*Cynips*).
Gall-flies and galls.

- Neuroterus noxiosus** Bass. (winter form), Can. Ent., Vol. XIII, 1881, p. 108 (*Cynips*).
Gall-flies and galls.
- Holcaspis duricoria** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 64.
Gall-flies and galls.
- Holcaspis ficula** Bass., Can. Ent., Vol. XIII, 1881, p. 75 (*Cynips*).
Galls only.
- Holcaspis rugosa** Bass., Can. Ent., Vol. XIII, 1881, p. 100 (*Cynips*).
Gall-flies and galls.
- Holcaspis corallinus** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 66.
Galls only.
- Holcaspis pedunculata** Bass., Trans. Am. Ent. Soc., Vol. XVII, 1890, p. 72 (*Dryophanta*).
Gall-flies and galls.
- Holcaspis fasciata** Bass., Trans. Am. Ent. Soc., Vol. XXVI, 1900, p. 328.
Gall-flies and galls.
- Cynips ? prinoides** Beuten., Bull. Am. Mus. Nat. Hist., Vol. IV, 1892, p. 257, pl. xi, fig. 6.

SUPPLEMENT.

- Rhodites ignota** O. S., Proc. Ent. Soc. Phila., Vol. II, 1863, p. 49.
Gall only.
- Rhodites radicum** O. S., Proc. Ent. Soc. Phila., Vol. II., 1863, p. 46.
Gall only.
- Rhodites verna** O. S., Proc. Ent. Soc. Phila., Vol. II, 1863, p. 47.
Gall only.
- Diastrophus nebulosus** O. S., Proc. Ent. Soc. Phila., Vol. II, 1863, p. 36.
Gall only.
- Diastrophus cuscutæformis** O. S., Proc. Ent. Soc. Phila., Vol. II, 1863, p. 39.
Gall only.
- Amphibolips inanis** O. S., Proc. Ent. Soc. Phila., Vol. I, 1861, p. 58.
Gall only.
- Amphibolips spongifica** O. S., Proc. Ent. Soc. Phila., Vol. I, 1862, pp. 244, 248.
Gall only.
- Andricus cornigerus** O. S., Proc. Ent. Soc. Phila., Vol. I, 1862, p. 251, and Vol. IV, 1864, p. 358 (*Cynips*).
Gall only.
- Andricus tumifica** O. S., Proc. Ent. Soc. Phila., Vol. IV, 1865, p. 356 (*Cynips*).
Gall only.
- Andricus futilis** O. S., Proc. Ent. Soc. Phila., Vol. I, 1861, p. 63 (*Cynips*).
Gall only.

Andricus papillatus O. S., Proc. Ent. Soc. Phila., Vol. I, 1861, p. 64,
and Vol. IV, 1864, p. 352 (*Cynips*).

Gall only.

Andricus tubicola O. S., Proc. Ent. Soc. Phila., Vol. I, 1861, p. 60
(*Cynips*).

Gall only.

Cynips strobilana O. S., Proc. Ent. Soc. Phila., Vol. IV, 1865, p. 349.

Gall only.

Acraspis pezomachoides O. S., Proc. Ent. Soc. Phila., Vol. I, 1862, p.
250 (*Cynips*).

Gall only.