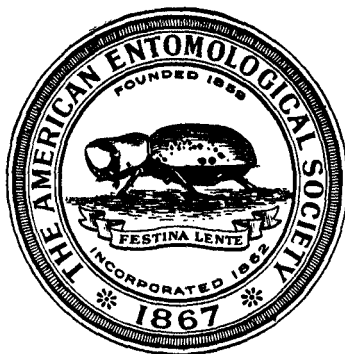


MEMOIRS
OF THE
AMERICAN ENTOMOLOGICAL SOCIETY
NUMBER 5

THE TYPES OF HYMENOPTERA
IN THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA
OTHER THAN THOSE OF EZRA T. CRESSON

BY
EZRA TOWNSEND CRESSON



ants p. 31

PUBLISHED BY THE AMERICAN ENTOMOLOGICAL SOCIETY
AT THE ACADEMY OF NATURAL SCIENCES
PHILADELPHIA

1928

MEMOIRS
OF THE
AMERICAN ENTOMOLOGICAL SOCIETY

NUMBER 5 pp. 1-90

THE TYPES OF HYMENOPTERA IN THE ACADEMY
OF NATURAL SCIENCES OF PHILADELPHIA
OTHER THAN THOSE OF EZRA T. CRESSON

BY EZRA TOWNSEND CRESSON

Immediately after the completion of his "Cresson Types of Hymenoptera," my father began the listing of the hymenopterous types of other authors preserved in the collection. In a note found among his papers, he writes: "A list of the Cresson Types of Hymenoptera was published in these Memoirs¹ in 1916. The plan of segregation of types is practically the same in this [present] list, which concerns only those to be found in the Collection at the Academy of Natural Sciences of Philadelphia." The making of this list was a more difficult undertaking than the listing of his own types, necessitating searching for the description of those species of which a specimen labelled "TYPE" was found in the collection; or, searching for the specimen, the type of which was cited as being in the collection. Of the latter category, my father writes in a note: "A few type specimens described as being in the Collection have not yet been located. No doubt most of them have been overlooked or mislaid or not returned to the collection

¹ Mem. Am. Ent. Soc., no. 1.

and will eventually be found and put in their proper place in the type collection, which latter is arranged in metal, fire-proof cases and very carefully looked after."

The following letter to Mr. S. A. Rohwer of Washington, dated January 15, 1920 states in his own words, some of the difficulties encountered: "Before I go hence (now 82) I want to make a list of the *types* of Hymenoptera in the Collections here and publish it (as I did the "Cresson types") in the "Memoirs" of the Society this coming Spring. I would feel very grateful if you would aid me in the work as far as you can do so. I am enclosing here a number of slips (13) on which I need some data, e.g., references as to where the species were described; also information about location of types. Kindly give me these if you possibly can and *return the slips to me c/o American Entomological Society, Logan Square, Philadelphia*, and I shall be thankful for your help. I have most of the list ready for the printers, but there are some knots [nuts?] to crack such as are enclosed, about which I am obliged to ask assistance from yourself, Cockerell, Viereck and others, the papers describing the species being scattered all over creation and I have no means of finding out where they are but to write as I am."

The author would certainly have acknowledged the valuable assistance rendered by these friends who included also W. J. Fox and J. C. Crawford, and probably others whose notes and letters have not been preserved. Without such help many species would have had to be excluded from the list.

Locating, examining and recording the types was a matter of some detail which consumed many hours at the Academy, while the classifying of the species and the drafting of the manuscript was done at his desk at home, and at times only when such work was not too wearisome. The addition of new type material to the collection during this time, the adjustment of the doubtful cases, locating those which were supposed to be in the collection, necessitated many interpolations in the manuscript. In his endeavor to have as complete a list as possible, these delays were irksome and discouraging. His work on the list practically ceased during 1925 and his death occurred April 19, 1926.

In presenting this posthumous work I have not made any additions to the manuscript as my father left it, which practically closed with the year 1919, but have omitted all those doubtful cases which he had hoped to clear up. Consequently, owing to the many interpolations and corrections he had made, the manuscript was not in shape for publishing, and had to be recopied. For such errors as there may be I must therefore assume the responsibility. Unless otherwise stated the type specimen was found in good condition. An index to the list is included, which presents the species listed arranged according to their authors and should prove a useful adjunct.

This list does not include the types of Cynipidae described by H. S. Bassett. These have been listed and published by the present writer under the title "The Bassett Types of Cynipidae." *

E. T. CRESSON, JR.

June 1928

TENTHREDINIDAE

- abdominalis** (Lyda) Norton, Proc. Ent. Soc. Phila., i, 199.
10320. ♀. Pennsylvania. [Antennae wanting.]
- aenea** (Xyela) Norton, Trans. Am. Ent. Soc., iv, 86.
332. ♂. Texas.
- affinis** (Pachynematus) Marlatt, U. S. Bur. Ent., Tech. Ser., iii, 97.
10252. ♀. Montana. [Antennae broken.]
- akhursti** (Lophyrus) Norton, Trans. Am. Ent. Soc., ii, 324.
288. ♀. New Jersey.
- albidopictus** (Taxonus) Norton, Trans. Am. Ent. Soc., ii, 213.
266. ♀. Virginia. [Antennae and abdomen damaged.]
- albidovariata** (Hemichroa) Norton, Trans. Am. Ent. Soc., iv, 81.
10318. ♀. Texas.
- amicus** (Taxonus) Norton, Trans. Am. Ent. Soc., ii, 213.
265. ♀. Canada.
- annulosus** (Strongylogaster) Norton, Trans. Am. Ent. Soc., ii, 221.
271. ♀. Massachusetts.
- antennatus** (Pteronus) Marlatt, U. S. Bur. Ent., Tech. Ser., iii, 61.
10242. ♀. New Hampshire.

* Trans. Am. Ent. Soc., xlviii, p. 197-208.

FORMICIDAE

- densiventris** (*Formica fusca*) Viereck, Trans. Am. Ent. Soc., xxix, 74.
4955. ♀. Beulah, New Mexico.
- obscurus** (*Leptothorax canadensis*) Viereck, Trans. Am. Ent. Soc., xxix, 72.
4956. ♀. Beulah, New Mexico.
- subumbratus** (*Lasius umbratus*) Viereck, Trans. Am. Ent. Soc., xxix, 73.
4952. ♀. Beulah, New Mexico. [Right wings wanting.]

MUTILLIDAE

- abdominalis** (*Photopsis*) Blake, Trans. Am. Ent. Soc., xiii, 275.
4617. ♂. Colorado.
- acontius** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 266.
4644. ♂. Las Cruces, New Mexico. [Left antenna wanting.]
- admetus** (*Mutilla*) Blake, Trans. Am. Ent. Soc., iv, 74.
4522. ♂. Comal County, Texas. [Antennae wanting.]
- adonis** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 265.
4677. ♂. Las Cruces, New Mexico.
- æetis** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 228.
4626. ♀. Florida.
- aequalis** (*Brachycistis*) Fox, Trans. Am. Ent. Soc., xxv, 284.
4671. ♂. Colorado.
- agenor** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 245.
4637. ♂. Illinois.
- alamonis** (*Odontophotopsis*) Viereck, Trans. Am. Ent. Soc., xxx, 87.
4982. ♂. Alamogordo, New Mexico.
- albicineta** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 255.
4643. ♂. Arizona.
- albopilosa** (*Mutilla*) Blake, Trans. Am. Ent. Soc., iv, 74.
4545. ♀. Comal County, Texas.
- alcantor** (*Agama*) Blake, Trans. Am. Ent. Soc., iii, 264.
4599. ♂. Arizona. [Antennae damaged.]
- alemon** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 266.
4680. ♂. New Mexico.
- alogus** (*Photomorphus*) Viereck, Ent. News, xiv, 251.
4965. ♂. Tifton, Georgia.
- altamira** (*Mutilla*) Blake, Trans. Am. Ent. Soc., iii, 244.
4505. ♀. Mexico.
- amphion** (*Mutilla*) Fox, Trans. Am. Ent. Soc., xxv, 263.
4654. ♂. Nevada.
- ampla** (*Agama*) Blake, Trans. Am. Ent. Soc., vii, 252.
4594. ♂. Colorado. [Abdomen damaged.]