

EXPLANATION OF PLATE.

- Fig. 1. *Oribata badia* n. sp. $\times 60$.
 Fig. 2. " pseudostigma and pseudostigmatic organ, $\times 342$.
 Fig. 3. " lamellar hair, $\times 342$.
 Fig. 4. " *albida* n. sp., pseudostigma and pseudostigmatic organ,
 $\times 550$.
 Fig. 5. *Oribata albida* lamellar hair, $\times 550$.
 Fig. 6. " *corpuscula* n. sp., pseudostigmatic organ, $\times 342$.
 Fig. 7. " right pteromorpha, $\times 342$.
 Fig. 8. " *maxima* n. sp., pseudostigma and pseudostigmatic organ,
 $\times 342$.
 Fig. 9. *Oribata maxima* lamella and lamellar hair, $\times 97$.
 Fig. 10. " right pteromorpha and adjacent parts, $\times 67$.

A LIST OF THE NORTH AMERICAN PSEUDOSCORPIONIDA.

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THE *Pseudoscorpions*, like other *arachnida*, have been sadly neglected by American entomologists. This can be attributed, in a great measure, to the dearth of systematic literature. The first paper of any importance to appear was Dr. Hagen's "Synopsis Pseudoscorpionidum, synonymica," published by the Boston Society of Natural History (Proc. vol. xiii, pp. 263-272, 1870). Later, Banks published several papers, including "Notes on North American Chernetidae"¹ and "Notes on the Pseudoscorpionida,"² the latter superseding. Since then a number of new species have been described and many more will be added when our southern and western faunas are more carefully studied. A number of European papers have also appeared, but these are scarcely accessible to the average student. The habits of the *Pseudoscorpions* should prove a very interesting field for investigation. Berger (Ohio Nat. vi, 489, 1900) has recorded quite fully the life history of *Atemnus elongatus* Banks. I hope in the near future to be able to give a full bibliography of this interesting group.

¹ Can. Ent. XXIII, p. 160, 1891.² Journ. New York Ent. Soc. V, 3, p. 1, 1895.

FAMILY CHELIFERIDAE.

Sub-family CHELIFERINAE.

Chelifer cancroides Linn.

- Linn., Faun. Suec., ed. XXI, 345, 1767.
- Latr., Gen. Crust., I, 32, n. I.
- Cuv., Règne Anim., ed. Voigt., IV, 406.
- Hagen, Rec. Am. Ent., 51, 1863.
- Hagen, Syn. Pseud. Synonymica, 263, 1870.
- Banks, Journ. N. Y. Ent. Soc., 3, 3, 1895.
- Tullgren, Ent. Tidskr. XX, p. 161–182, 1899.

= *europeus* De Geer.

- De Geer, Mém., VII, 355.

= *fuscus* Geof.

- Geoffr., Hist. Abrég., II, 618.

= *granulatus* Koch.

- Koch, Arachn., X, 37, t. 377.

= *hermanni* Leach.

- Leach, Zool. Misc., III, 49, n. I.

= (?) *ixoides* Hahn.

- Hahn, Arachn., 11, 53, t. 60.

- Koch, Arachn., X, 39, t. 338.

- cf. Menge, Chernet., 30.

= *latreillii* Leach.

- Leach, Zool. Misc., III, 49, n. 2. (An sexus alter ch. Hermann? teste Leach.)

= *Obisium cancroides* Walek.

- Walcken., Faun. Paris, II, 253, n. 2.

A wide-spread and common species occurring throughout Europe and North America.

Chelifer biseriatum Banks.

- Banks, Journ. N. Y. Ent. Soc., 3, 3, 1895.

- Berger, Ohio Nat. VI, 407, 1905.

- Lake Poinsett and Punta Gorda, Florida and Berea, Ohio.

Chelifer floridanus Banks.

- Banks, Can. Ent. XXIII, 162, 1891.

- Known only from Southern Florida.

Chelifer muricatus Say.

Say, Journ. Acad. Phila., II, 63, 1821.

Say, Comp. Writings, Leconte Ed. 2, 1891.

Hagen, Rec. Am. Ent. 51, 1868.

Banks, Journ. N. Y. Ent. Soc. 3, 3, 1895.

Common in the eastern and middle western states. Alabama, Florida, Kentucky, New York, Long Island, Virginia, Ohio.

Chelifer scabrisculus Simon.

Simon, Ann. Soc. Ent. Fr., 1878.

Banks, Journ. N. Y. Ent. Soc. 3, 4, 1895.

= *degeneratus* Balzan.

Balzan, Ann. Soc. Ent. Fr., 1891.

A western species, reported from Southern California, Lake Tahoe, Oregon and Utah. I have found it very common about San Francisco Bay.

Chelifer mirabilis Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 4, 1895.

A cave species, described from Barren County, Kentucky and Pennington Gap Virginia.

Chelifer hubbardi Banks.

Banks, Proc. U. S. Nat. Mus. XXIII, 5888, 1901.

Southern Arizona.

Chelanops oblongus Say.

Say, Journ. Acad. Phila., 64, 2, 1821.

Say, Comp. Writings, Leconte Ed. V. 2, 1891.

Hagen, Syn. Pseud. Synonymica, 267, 1870.

Banks, Journ. N. Y. Ent. Soc. 3, 5, 1895.

Berger, Ohio Nat. VI, 407, 1905.

= *alias* Leidy.

Leidy, Proe. Phila. Acad. Sci., 266, 1877.

Well distributed throughout the eastern and southern states.

Leidy's specimens were taken from an Elaterid beetle, *Alaus ocellatus*.

Chelanops grossus Banks.

Banks, Can. Ent. XXV, 65, 1893. (*Chernes grossus*.)

Banks, Proc. U. S. Nat. Mus. XXV, 220, 1903.

Colorado and Southern Arizona.

Chelanops texanus Banks.

Banks, Can. Entom. XXIII, 162, 1891. (*Chelifer texanus*.)

Banks, Journ. N. Y. Ent. Soc. 3, 5, 1895.

Known only from Brazos County, Texas.

Chelanops acuminatus Simon.

Simon, Ann. Soc. Ent. Fr., 1878. (*Chelifer acuminatus*.)

Found in California and Washington.

Chelanops floridæ Balzan.

Balzan, Ann. Soc. Ent. Fr., 1891.

Banks, Journ. N. Y. Ent. Soc. 3, 5, 1895.

Florida.

Chelanops latus Banks.

Banks, Can. Ent. XXV, 64, 1893.

Florida.

Chelanops dentatus Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 6, 1895.

Chelanops latimanus Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 6, 1895.

Punta Gorda, Florida.

Chelanops virginica Banks.

Banks, Journ. N. Y. Ent. Soc., 3, 6, 1895.

Described from Fredericksburg, Virginia.

Chelanops tristis Banks.

Banks, Can. Entom. XXIII, 163, 1891.

Found along the sea-shore at Long Island, N. Y.

Chelanops morosus Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 7, 1895.

Isle Royale, Lake Superior.

Chelanops tumidus Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 7, 1895.

Indian River, Florida.

Chelanops validus Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 7, 1895.

Described from Lake Tahoe. It is plentiful in Santa Clara Co., Cal.

Chelanops pallipes Banks.

Banks, Can. Ent. XXV, 64, 1893.

Occurs in California and Colorado.

Chelanops sanborni Hagen.

Hagen, Record Am. Ent., 1868.

New York, Mass., and Indiana.

Chelanops dorsalis Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 8, 1895.

Lake Tahoe, California.

Chelanops pallidus Banks.

Banks, Can. Ent. XXII, 152, 1890.

Ithaca, New York and Lawrence County, Indiana.

Chelanops affinis Banks.

Banks, Insect Life, May, 1894.

Crescent City, Florida.

Chelanops arizonensis Banks.

Banks, Proc. U. S. Nat. Mus. XXIII, 589, 1901.

Southern Arizona.

Sub-family GARYPINAE.

Garypus bicornis Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 8, 1895.

Found between the laminae of rocks at Specimen Ridge, Yellowstone National Park.

Garypus floridensis Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 9, 1895.

Indian River, Florida.

Garypus granulatus Banks.

Banks, Can. Ent. XXIII, 163, 1891.

Ithaca, New York.

FAMILY OBISIIDAE.

Sub-family OLPINAE.

Olpium obscurum Banks.

Banks, Can. Ent. XXV, 65, 1893.

Florida.

Atemnus elongatus Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 10, 1895.

Berger, Ohio Nat., VI, 489, 1906.

Florida.

Sub-family OBISINAE

Tribe IDEOBISINAE

Ideobisium threventi Simon

Simon, Ann. Soc. Ent. Fr., 1878. (*Obisium threventi*.)

A common western species, reported from California, Oregon, Washington and Arizona.

Ideobisium rufulum Banks.

Banks, Can. Ent. XXIII, 166, 1891. (*Olpium rufulum*.)

Washington, D. C., and Virginia.

Ideoroncus obscurus Banks.

Banks, Can. Ent. XXV, 66, 1893.

Banks, Journ. N. Y. Ent. Soc. 3, 11, 1895.

Washington, Montana and California.

Tribe OBISINI.

Obisium cavicala Packard.

Packard, Am. Nat., Febr., 1884.

Banks, Journ. N. Y. Ent. Soc. 3, 11, 1895.

From New Market Cave, Virginia.

Obisium brunneum Hagen.

Hagen, Rec. Am. Ent., 1868.

Banks, Journ. N. Y. Ent. Soc. 3, 11, 1895.

An abundant species in the northern states.

Obisium parvulum Banks.

Banks, Journ. N. Y. Ent. soc. 3, 12, 1895.

Florida?

Obisium macilentum Simon.

Simon, Ann. Soc. Ent. Fr., 1878

Southern California.

Obisium carolinensis Banks.

Banks, Journ. N. Y. Ent. Soc. 3, 12, 1895.

North Carolina and Lee County, Virginia.

Blothrus californicus Banks.

Banks, Can. Ent. XXIII, 165, 1891. (*Atemnus californicus*.)

Inhabits California.

Tribe CHTHONINI.

Chthonius packardi Hagen.

Hagen, Zool. Anz., July, 1879.

Indian Cave and Mammoth Cave, Kentucky and Wyandotte Cave, Indiana.

Chthonius coecus Packard.

Packard, Amer. Nat., Feb. 1884.

Weyer's Cave, Virginia.

Chthonius pennsylvanicus Hagen.

Hagen, Rec. Amer. Ent., 1868.

Banks, Can. Ent. XXIII, 164, 1891.

Berger, Ohio Nat. VI, 407, 1905.

Penna., New York and Florida.

Chthonius modestus Banks.

Banks, Can. Ent. XXIII, 165, 1891.

Ithaca, New York.

Chthonius spinosus Banks.

Banks, Can. Ent. XXV, 67, 1893.

Citrus County, Florida.

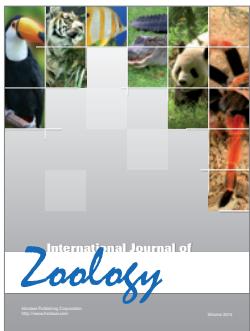
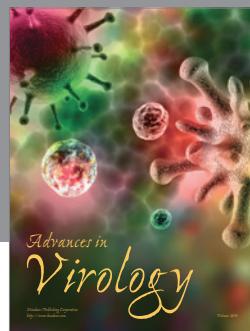
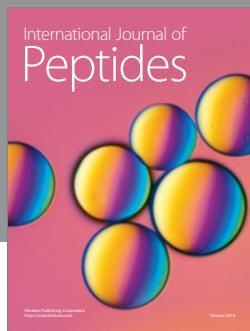
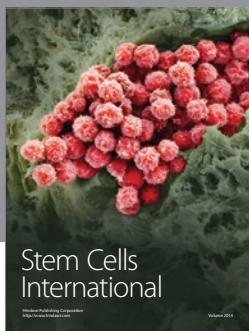
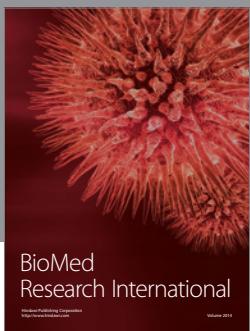
Lechyttia pacifica Banks.

Banks, Can. Ent. XXV, 66, 1893. (*Roncus pacificus.*)

Olympia, Washington.

NEW ENGLAND FEDERATION OF NATURAL HISTORY SOCIETIES.—By invitation of the Vermont Societies the next meeting of the Federation will be held with them at Middlebury, Vt., on Thursday, Friday and Saturday, January 21, 22, 23. The Vermont Botanical and Bird Clubs will hold their regular winter meetings and there will be a general meeting of the Federation, an Exhibition and visits to the collections at Middlebury and Burlington. A circular giving further details will be issued about January 1.

J. H. EMERTON, *Secretary.*



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