

Catalogue of the Types in the New York State Museum Insect Collection

Timothy L. McCabe

and

Linnea M. Johnson



**Bulletin Number 434
NEW YORK STATE MUSEUM
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The University of the State of New York
THE STATE EDUCATION DEPARTMENT
Cultural Education Center
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Abstract.--McCabe, Timothy L. and Johnson, Linnea M., New York State Museum, Cultural Education Center 3132, Albany, New York 12230, and Boyce Thompson Institute, Ithaca, New York 14853.--Type material in the New York State Museum Insect Collection (including Acarina) is catalogued. The collection contains 192 holotypes, 14 lectotypes, 240 syntypes, 45 allotypes, 501 paratypes, and 20 paralectotypes. Lectotypes are designated for the following: *Culex abfitchii* Felt, *Cerura occidentalis* Lintner, *Cixius pini* Fitch, and *Mamestra claviplena* Grote. The reference to the original description is cited and all data associated with the specimens are given, except for paratypes and paralectotypes.

ACKNOWLEDGEMENTS

We thank Dr. J. G. Franclemont and Dr. L. L. Pechuman for their review of the catalogue as well as for assistance in locating original descriptions. Also, we are grateful to Mr. Edward Blakemore for help with its production and to Mrs. Sarah Browne for locating many references. We thank Dr. William Steffan for his comments on the Sciaridae and Dr. M. D. Delfinado for suggestion on format and for providing the information on the Acarina.

Catalogue of the Types in the New York State Museum Insect
Collection (Including Acarina)

The New York State Museum Insect Collection had its beginning with Asa Fitch, first state entomologist in the United States. Dr. Fitch was first employed by the state in 1847 to collect and name specimens of New York insects for the State Cabinet of Natural History. In 1854, by an act of the Legislature, Asa Fitch was appointed entomologist of the State Agricultural Society and directed to make an examination of those insects injurious to vegetation. Ultimately, Fitch's collection was broken up and parts sold to various collectors (Funkhouser, 1915) with some of his types going to the Museum of Comparative Zoology, the National Museum of Natural History, and to the New York State Museum (Horn & Kahle, 1935). Fitch (1851) published a list of his Homoptera types deposited in the State Museum. Most of Fitch's aphids and "small forms" were destroyed by dermestids (Lintner, 1879). Fitch's membracid types have received red rectangles in agreement with Funkhouser's conclusions (Funkhouser, 1915). Remaining Fitch types have had red labels subsequently affixed in accord with Fitch notebook numbers mentioned in the original descriptions. Felt (1910) published a list of insect types in the State Museum. This list was incomplete even for that time and did not include data or literature citations.

In 1901, the insect collection and library of J. A. Lintner (State Entomologist, 1880-1898) was purchased by the State Museum. The collection comprised chiefly Lepidoptera, especially Noctuidae. In 1898, E. P. Felt was appointed State Entomologist. Dr. Felt's interest was in gall makers and he contributed significantly to the museum's holdings in these groups (especially Cecidomyiidae). Felt's cecidomyid types are on permanent loan to the National Museum of Natural History and are not included in this catalogue. In 1907, the W. W. Hill collection of Lepidoptera was given to the State Museum. More recently, in 1953, the Rochester Academy of Science entomological collection, previously housed at the University of Rochester, was transferred to the State Museum. It contained 11,855 specimens, mostly student collected, and labeled simply "Roch., N.Y." The Moore and Wendt collections (8,602 specimens) were received at the same time. These three collections constitute practically all of the museum's holdings for western New York. In recent years the collection has been added to by the staff in their respective fields of interest. These are the Simuliidae, Culicids, and the Acarina, collected by H. Jamnback, R. G. Means and M. D. Delfinado, respectively. S. Reeve Nevin (1974) stated in his original description that his types of *Dentachipteria ringwoodensis* and *Dentachipteria highlandensis* (both Acarina) were to be deposited in the New York State Museum Collection; however, these two types are in the collection of the National Museum of Natural History.

Early workers ordinarily did not state type deposition for their material. Many did not select a single specimen as type; their species' descriptions being a composite of all the material before them with each specimen bearing the label "type." For all specimens labeled as "type" we have checked the original description to determine if it was unique or part of a series. If it was unique, we have called it the holotype; if one of a series, we refer to it as a syntype. Frequently, the original

description does not indicate how many specimens were before the author. In this instance we have also used syntype. Locating types is one of the time consuming tasks of a taxonomist. It is hoped the present catalogue will provide needed information on types for taxonomists who are revising groups.

The catalogue is arranged systematically by order. Next, the species, subspecies, or form name is listed alphabetically, depending on which taxon is represented by type-material. This arrangement is similar to recent catalogues of DeRuelle (1970), McNamara (1977) and Hoebeke (1978), but in the present catalogue the genus is not used for alphabetizing. Individual labels are separated from each other by a diagonal (/). Lines within each label are not separated. Data has been reproduced as close as possible to that of the original label: code numbers, original spelling errors, and punctuation peculiarities are duplicated. Space does not permit details on handwriting patterns or label construction, often of importance in establishing the validity of a type, but with the replication that is possible it is hoped that some of these questions are answered. Many specimens in the State Museum's collection have lectotype labels affixed, however, it is not known if these designations were ever published. We have marked the more dubious entries with a (?) when we were uncertain of the validity of the designation. Information enclosed in brackets are from a source other than the specimen label.

There are 193 holotypes, 13 lectotypes, 240 syntypes, 45 allotypes, 501 paratypes, and 19 paralectotypes. The current name, when different from that of the original description, appears in italics in brackets.

CATALOGUE OF THE TYPES

EPHEMEROPTERA

SIPHONURIDAE

Siphonisca aerodromia Needham, 1908, N.Y.S. Mus. Bull. 134:72.

Syntype, 1: Sacandaga Pk. N.Y. 6-vi-1908/ *Siphonisca aerodromia* Ndm. Type/ N.Y.S. Coll. 1908. [Wings on slide, slide label as follows: Type *Siphonisca aerodromia* Ndm/ Sacandaga Pk. Dr. Felt Lab 194 a. 1927 *Siphonisca aerodromia* Ndm. Type 113 no. 133 (remainder in alcohol)].

ODONATA

LIBELLULIDAE

Cordulia lintneri Hagen, 1878, in Selys, Bull. Acad. Belg. (2), 45:187.

Syntype, 1: V.27/ ♂/ 2839/ *Cordulia lintneri* ♂♀ Type/ + *Cordulia lintneri* Hag ♂♀ 2839. 2840 splendid!/ *Cordulia lintneri* ♂ Type-Hagen, Type in Mus. Comp. Zool. Cambridge/ *Williamsonia lintneri* Hagen ♂ Type.

HETEROPTERA

ALEYRODIDAE

- Aleyrodes pruinus euphorbiarum* Cockerell, 1911, Ent. News 22:462.
Syntypes: Glenwood Springs, Colo. 1911 N.Y.S. Coll./ *Aleyrodes pruinus euphorbiarum* Ckll - cotypes [many syntypes on paper strip].

APHIDIDAE

- Lachnus abietis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:67.
Holotype: No. 854 ♀. DESTROYED.
[*Cinara abietis* (Fitch)]
Lachnus alnifoliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:67.
Holotype: No. 857 ♂. DESTROYED.
[*Pterocallis alnifoliae* (Fitch)]
Aphis asclepiadis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:65.
Holotype: No. 845 ♂. DESTROYED.
Aphis berberidis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:65.
Holotype: No. 842 ♂.
Allotype: No. 843 ♀.
[*Liosomaphis berberidis* (Fitch)]
Aphis betulaecolens Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:66.
Holotype: No. 848 ♂. DESTROYED.
[*Calaphis betulaecolens* (Fitch)]
Aphis cerasicolens Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:65.
Holotype: No. 841 ♂. DESTROYED.
[*Rhopalosiphum cerasicolens* (Fitch)]
Aphis cornifoliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:65.
Holotype: No. 846 ♀. DESTROYED.
Aphis crataegifoliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:66.
Holotype: No. 847 ♂. DESTROYED.
[*Nearctaphis crataegifoliae* (Fitch)]
Aphis gladioli Felt, 1901, N.Y.S. Mus. Bull. 134:19.
Syntypes: Berlin, N.Y. July, '08(all 1864)(on gladioli) [many specimens on nine slides].
[*Dysaphis tulipae* Boyer de Fonscolombe]
Brysocrypta hamamelidis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:69.
Holotype: No. 869 ♂.
Paratypes, 2: No. 870 larva, No. 871 follicle.
[*Hormaphis hamamelidis* (Fitch)]
Eriosoma imbricator Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:68.
Holotype: No. 864 ♂.
Paratypes, 2: No. 865 ♀?, No. 866 larva.
[*Fagiphagus imbricator* (Fitch)]
Aphis pinicolens Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:66.
Holotype: No. 851 ♂. DESTROYED.
[*Euceraphis mucida* (Fitch)]
Aphis populifoliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:66.
Holotype: No. 852 ♂. DESTROYED.
[*Pterocomma populifoliae* (Fitch)]

- Eriosoma pyri* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:68.
 Holotype: No. 862.
 [Prociphilus alnifoliae fitchii Baker & Davidson]
Lachnus quercifoliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:67.
 Holotype: No. 855 ♂. DESTROYED.
 [Chaitophorus quercifoliae (Fitch)]
Aphis rudbeckiae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:66.
 Holotype: No. 853.
 [Uroleucon rudbeckiae (Fitch)]
Lachnus salicellis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:67.
 Holotype: No. 856 ♂. DESTROYED.
 [Lachnus salicellus Fitch]
Aphis sambucifoliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:67.
 Holotype: No. 850 ♂. DESTROYED.
 [Aphis sambuci Linnaeus]
Eriosoma strobili Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:69.
 Holotype: No. 867 ♂. DESTROYED.
 Allotype: No. 868 ♀. DESTROYED.
 [Cinara strobili (Fitch)]
Eriosoma tessellata Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:68.
 Holotype: No. 863.
 [Prociphilus tessellata (Fitch)]

CERCOPIDAE

- Clastoptera proteus cincticollis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:54.
 Syntypes, 4: 1) No. 725/Var.a. 2) No. 726/Var.b. [missing-destroyed?]. 3) No. 727/Var.c. 4) No. 728/Var.d. [missing-destroyed?].
 [Clastoptera proteus Fitch]
Clastoptera proteus flavicollis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:54.
 Syntypes, 2: 1) No. 723/Var.a. 2) No. 724/Var.b.
 [Clastoptera proteus Fitch]
Clastoptera proteus maculicollis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:54.
 Syntypes, 3: 1) No. 729/Var.a. 2) No. 730/Var.b. 3) No. 731/Var.c.
 [Clastoptera proteus Fitch]
Clastoptera proteus nigricollis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:55.
 Syntypes, 4: 1) No. 733/Var.a. 2) No. 734/Var.b. 3) No. 735/Var.c. 4) No. 736/Var.d.
 [Clastoptera proteus Fitch]
Clastoptera pini Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:53.
 Holotype: No. 719 ♂.
 Paratypes, 2: 1) No. 720/Var.a. 2) No. 721/Var.b.
 [Clastoptera testacea Fitch]
Clastoptera proteus Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:54.
 Holotype: No. 722 ♀.
Lepyronia saratogensis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:53.
 Holotype: No. 710 ♂.
 Allotype: No. 711 ♀.

[*Aphrophora saratogensis* (Fitch)]

Clastoptera testacea Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:53.

Holotype: No. 715.

CICADELLIDAE

Athysanus abietis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:60.

Holotype: No. 793 ♀.

[*Oncopsis variabilis* (Fitch)]

Erythroneura affinis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:63.

Holotype: No. 822 ♀. DESTROYED.

Idiocerus alternatus Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:59.

Holotype: No. 779 ♂.

Allotype: No. 780 ♀.

Penthemia americana Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:57.

Holotype: No. 760 ♂.

Allotype: No. 761 ♀.

Platymetopius angustatus Osborn, 1905, 20th Rpt. N.Y.S. Ent.:518.

Syntype, 1: Cold Spring Harb'r Aug 18, 1904 N.Y.S. Coll. Pine/

Platymetopius angustatus Osborn Type.

[*Scaphytopus (Cloanthanus) angustatus* (Osborn)]

Empoa coccinea Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:63.

Holotype: No. 829 ♂. DESTROYED.

[*Empoasca coccinea* (Fitch)]

Helochara communis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:56.

Holotype: No. 753 ♂.

Allotype: No. 754 ♀.

Amblycephalus curtisii Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:61.

Holotype: No. 798 ♂.

Allotype: No. 799 ♀.

[*Amblysellus curtisii* (Fitch)]

Thamnotettix exquisitos Osborn, 1905, 20th Rpt. N.Y.S. Ent.:534.

Syntypes, 2: 1) Type/ Hamburg, N.Y.S. Co. H.O. 8-8-04/

Thamnotettix exquisitos Osb. = *collaris* Ball? H.O./

det. Osborn. 2) Type/ Hamburg N.Y.S. Co. H.O. 8-8-04/

Det. Osborn.

[*Thamnotettix collaris* Ball]

Athysanus fagi Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:61.

Holotype: No. 796 ♀.

[*Oncopsis fagi* (Fitch)]

Athysanus fenestratus Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:60.

Holotype: No. 794.

[*Oncopsis fitchi* Van Duzee]

Gypona flavilineata Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:57.

Holotype: No. 757 ♂.

Allotype: No. 758 ♀.

[*Gyponana flavilineata* (Fitch)]

Jassus fulvidorsum Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:62.

Holotype: No. 816 ♂.

Allotype: No. 817 ♀.

[*Paraphlepsius fulvidorsum* (Fitch)]

Platymetopius fulvus Osborn, 1905, 20th Rpt. N.Y.S. Ent.:519.

Syntype, 1: Cold Spring H'rb'r N.Y. Aug 18, 1904 N.Y.S. Coll. Pine/

- Platymetopius fulvus* Osb. Type/Type.
 [Scaphytopius (Cloanthanus) fulvus (Osborn)]
- Gypona geminata* Osborn, 1905, 20th Rpt. N.Y.S. Ent.:513.
 Syntypes, 2: 1) Cold Spring Harbor, N.Y. Aug 18, 1904 N.Y.S. Coll.
 Pine/ *Gypona geminata* Osb. Type ♂/ H. Osborn Collector. 2) [same
 data, no sex determination].
 [Gyponana octolineata (Say)]
- Idiocerus lachrymalis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:58.
 Holotype: No. 773 ♂.
 Allotype: No. 774 ♀.
- Idiocerus maculipennis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:59.
 Holotype: No. 781 ♀. DESTROYED.
 [Idiocerus fitchi Van Duzee]
- Amblycephalus melsheimerii* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:61
 Holotype: No. 805 ♂. DESTROYED.
 Allotype: No. 806 ♀.
 [Laeviccephalus melsheimerii (Fitch)]
- Athysanus minor* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:60.
 Holotype: No. 795.
 [Oncopsis fitchi Van Duzee]
- Athysanus nigrinasi* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:61.
 Holotype: No. 797.
 [Oncopsis nigrinasi (Fitch)]
- Aulacizes noveboracensis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:56.
 Holotype: No. 752 ♀.
 [Draeculacephala noveboracensis (Fitch)]
- Platymetopius obscurus* Osborn, 1905, Ohio Nat. 5:274.
 Syntype, 1: Greensburg, Pa./ *Platymetopius obscurus* Osborn cotype.
 [Scaphytopius magdalensis (Provancher)]
- Scaphoideus opalinus* Osborn, 1905, 20th Rpt. N.Y.S. Ent.:525.
 Syntype, 1: Cold Spring Harbor Aug 18, 1904 N.Y.S. Coll./
Scaphoideus opalinus Osb Type.
- Evacanthus orbitalis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:57.
 Holotype: No. 756 ♂.
 [Evacanthus acuminatus (Fab.)]
- Idiocerus pallidus* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:59.
 Holotype: No. 783 ♀. DESTROYED.
- Empoa querci* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:63.
 Holotype: No. 828 ♀. DESTROYED.
- Amblycephalus sayii* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:61.
 Holotype: No. 800 ♂.
 Allotype: No. 801 ♀.
 [Latalus sayii (Fitch)]
- Gypona scarlatina* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:57.
 Holotype: No. 759 ♀ [apparently missing - we have an unlabeled ♀ in
 numerical order of 759].
 [Ponana scarlatini (Fitch)]
- Bythoscopus strobi* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:58.
 Holotype: No. 771 ♂. DESTROYED.
 Allotype: No. 772 ♀.
 [Paraphlepsius strobi (Fitch)]
- Idiocerus suturalis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:59.
 Holotype: No. 782 ♀. DESTROYED.

- Bythoscopus tergatus* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:59.
 Holotype: No. 766 ♂.
 [Chlorotettix unicolor (Fitch)]
- Erythroneura tricineta* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:63.
 Holotype: No. 823 ♀. DESTROYED.
- Pediopsis trimaculatus* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:60.
 Holotype: No. 785 ♀.
 [Macropsis trimaculata (Fitch)]
- Tettigonia tripunctata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:55.
 Holotype: No. 742 ♂.
 [Plesionmata tripunctata (Fitch)]
- Bythoscopus unicolor* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:58.
 Holotype: No. 767 ♀.
 [Chlorotettix unicolor (Fitch)]
- Athysanus variabilis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:60.
 Holotype: No. 786 ♀.
 [Oncopsis variabilis (Fitch)]
- Pediopsis viridis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:59.
 Holotype: No. 784 ♀.
 [Macropsis viridis (Fitch)]
- Acocephalus vitellinus* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:57.
 Holotype: No. 762 ♂.
 [Fitchana vitellina (Fitch)]
- Erythroneura vulnerata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:62.
 Holotype: No. 819 ♂.
 Allotype: No. 820 ♀.

COCOIDEA

- Ceroplastidia bruneri* Cockerell, 1910, Can. Ent. 42:76.
 Syntypes: San Bernardino, Paraguay, S.A.(Bruner)(part of type)/
 Ceroplastidia bruneri Ckll. Type material/ N.Y.S. Coll.
- Diaspis cacti* Comstock, 1883, 2nd Rpt. Cornell Univ. Exp. Sta. Dept.
 Ent.:91.
 Syntypes: Comstock No. 181 [sp?]/ J. A. Lintner Collection/
 Diaspis cacti Comstock Type 9012.
- Poliaspis carissae* Cockerell, 1902, Entomologist 35:112.
 Syntypes: On Carissa, Durban, Natal, Africa, T.D.A. Cockerell
 Types Poliaspis carissae Ckll./ "Type" Ac. 9652.
- Fiorinia carnelliae* Comstock, 1880, Rpt. U.S.D.A.:329.
 Syntype: J. A. Lintner Coll./ det. as Parlatoria pergandii var.
 carnelliae Comst. 8558/ Uhleria carnelliae Comst. Type.
- Lecanium caryae* Fitch, 1856, Rpt. Ins. N.Y. 3:443.
 Syntypes: Hickory scale-insect and its chalk mark on the bark
 Lecanium caryae/ Coll. N.Y. State Agric. Soc./ Lecanium
 caryae Fitch labeled by Dr. Fitch.
- Aspidiotus cerasi* Fitch, 1856, Rpt. N.Y. State Agric. Soc.:368.
 Syntypes: Cherry Scale Insect. Aspidiotus cerasi/ Coll. N.Y.
 State Agric. Soc.
- Eriopeltis coloradensis* Cockerell, 1905, Can. Ent. 37:136.
 Syntypes: Boulder, Colo. Dec-1904 N.Y.S. Coll./ Type/ Eriopeltis
 coloradensis Ckll. 9862 Type Mat'l.

- Pseudococcus cuspidatae* Rau, 1937, Bull. Brooklyn Ent. Soc. 32:195.
Paratypes, 4: N.J. [slide mount].
- Coccus diversipes* Cockerell, 1907, Davenport Proc. Acad. Nat. Sci. 10:130.
Syntypes: *Coccus diversipes* Ckll on fern, Lucena, Philippines Is. (Townsend)/ *Coccus diversipes* Ckll Type Material/ Sept 27 '06/ 9894.
- Aspidiotus furfurus* Fitch, 1856, Rpt. N.Y.S. Agric. Soc.:352.
Syntypes: Scurfy Bark Louse *Aspidiotus furfurus*/ Coll. N.Y. State Agric. Soc.
- Chionaspis gleditsiae* Sanders, 1903, Ohio Nat. 3:413.
Syntype, 1: *Chionaspis gladitsiae* Sand. Cotype Columbus, Ohio 11 Mar. 1903 on *Gleditsia triacanthos* cotype [slide mount].
- Tachardiella glomerella* Cockerell, 1905, Ent. News 16:52.
Syntypes: Mesilla Val., N.M. Dec-1904 N.Y.S. Coll./ *Tachardiella glomerella* Ckll. Type Matl. ac. 9863.
- Halimococcus lampas* Cockerell, 1902, Entomologist 35:15.
Syntypes: Durban, Natal, Africa 22-Dec-1902 N.Y.S. Coll./ *Halimococcus lampas* Ckll. Cotype 9653 [3 palm leaf samples].
- Pseudococcus ledi* Cockerell, 1911, Ent. News 22:217.
Syntypes, 4: 1,2,3) Sand Lake, N.Y. 14 July 1910 N.Y.S. Coll. Cotypes 9811 [3 branch samples]. 4) Sand Lake, N.Y. July 14, 1910 C. H. Peck on *ledum* cotype 9811 [slide mount].
- Drosicha lichenoides* Cockerell, 1913, Jour. Econ. Ent. 6:142.
Syntypes: Cotypes *Drosicha lichenoides* Ckll. On *Ficus nota*, Los Banos, Phillippine Is., 1912. Coll. C. F. Baker Sent by T.D.A. Cockerell 9820.
- Chionaspis lintneri* Comstock, 1883, 2nd Rpt. Cornell Univ. Exp. Sta. Dept. Ent., Cornell Univ.:103.
Syntypes: *Aspidotus* on *Viburnum lantanoides*/ Comstock No. 251/ J. A. Lintner Coll./ *Chionaspis lintneri* Comst. Type 8557.
- Chionaspis micropori* Marlatt, 1908, Wash. Tech. Ser. U.S.D.A. Ent. 16:25.
Paratypes: China, *Chionaspis micropori* Marlatt. Part of type see orig. descr. for details./ Type material to N.Y. Coll.??/ *Chionaspis micropori* Marl. Type Material.
- Phenacaspis natalensis* Cockerell, 1902, Ann. Mag. Nat. Hist. 9(7):25.
Syntypes: *Phenacaspis natalensis* Ckll. Type Material/ 9651 [leaf sample].
- Aspidiotus pinifoliae* Fitch, 1855, Rpt. N.Y.S. Agric. Soc.:488.
Syntypes: Pine-leaf Scale-insect *Aspidiotus pinifoliae*/ Coll. N.Y. State Agric. Soc.
- Lecanium pyri* Fitch, 1854, Trans. N.Y.S. Agric. Soc.:809.
Syntypes: Pear Scale Insect *Lecanium pyri*/ Coll. N.Y. State Agric. Soc.
- Lecanium quercifex* Fitch, 1858, Trans. N.Y.S. Agric. Soc.:805.
Syntypes: White Oak Scale-Insect *Lecanium querci*/ Coll. N.Y. State Agric. Soc. [Although labeled *L. querci*, Comstock believed this to be the specimen before Fitch when he described *L. quercifex* (see 2nd Rpt. Cornell Univ. Agric. Exp. Sta.:134)].
- Lecanium quercitrionis* Fitch, 1858, Trans. N.Y.S. Agric. Soc.:805.
Syntypes: Quercitron Scale-Insect *Lecanium quercitrionis*/ Coll. N.Y. State Agric. Soc.
- Coccus salicis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:69.
Syntype: No. 873. Willow *Coccus C. salicis* Fh./ Coll. N.Y. State

- Agric. Soc./ *Coccus salicis* Fitch 1491/ Det. J. G. Sanders
 Jan 1915 Washington, D.C./ *Lecanium corni* Bouch det. Sanders.
Ceroplastes sanguineus Cockerell, 1905, Ent. News 16:162.
 Syntype: Paraguay, S.A. Nov-1908, N.Y.S. Coll./ *Ceroplastes*
sanguineus Ckll. Part of Type. Villa Encarnacion Paraguay
 (Schrotky) 9798/ *Ceroplastes sanguineus* Ckll. Type Material.
Chionaspis spartinae Comstock, 1883, 2nd Rpt. Cornell Univ. Exp. Sta.
 Dept. Ent.:106.
 Syntypes: J. A. Lintner Coll./ *Chionaspis spartinae* Comst. Type 8559.
Pulvinaria occidentalis subalpina Cockerell, 1910, Jour. Econ. Ent.
 3(5):428.
 Syntypes: *Pulvinaria occidentalis subalpina* Ckll. Part of type
 Ac. 9877 (immature ♀, ____).
Coccus tiliae Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:69.
 Syntype: No. 874 [missing-destroyed?].
Trionymus violascens Cockerell, 1913, Jour. Econ. Ent. 6:143.
 Syntype: *Trionymus violascens* Ckll. Part of type 9₁₉.
Icerya zeteki Cockerell, 1914, Jour. Econ. Ent. 7:148.
 Syntypes: Panama Canal Zone/ 9866/ *Icerya zeteki* Ckll. cotypes
 [many on paper strip].

FULGORIDAE

- Delphax arvensis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:46.
 Holotype: No. 622 ♂ [includes slide of ♂ genitalia].
 Allotype: No. 623 ♀.
 [Delphacodes arvensis (Fitch)]
Delphax dorsalis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:46.
 Holotype: No. 621 ♂.
 [Stenocranus dorsalis (Fitch)]
Stenocranus felti Van Duzee, 1910, Trans. Am. Ent. Soc. 36:88.
 Syntype, 1: Speculator, N.Y. 20 July, 1909 N.Y.S. Coll./
 D. B. Young Collector/ *Stenocranus felti* Van Duzee cotype.
Cixius impunctatus Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:46.
 Holotype: No. 618 ♂ [wings only].
 [Catonina impunctata (Fitch)]
Otiocerus kirbyii Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:46.
 Holotype: No. 633 ♂. DESTROYED.
 Allotype: No. 634 ♀. DESTROYED.
Stobaera pallida Osborn, 1905, Ohio Nat. 5:375.
 Syntype, 1: Cold Spr. H'rb'r N.Y. Aug. 18, 1904 N.Y.S. Coll./
Stobaera pallida Osb. Type/ Det. Osborn.
Cixius pini Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:45.
 LECTOTYPE, present designation: A ♂ specimen bearing the following
 label: No. 616 ♂. [J. P. Kramer has examined the type series
 and indicated this specimen as lectotype; the lectotype designa-
 tion is hereby accredited to J. P. Kramer].
 Paralectotype: No. 617 ♀.
Poeciloptera (?) *vulgaris* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:47.
 Holotype: No. 640 ♀ (J. S. Caldwell dissection - ♂).
 Allotype: No. 639 ♂ (J. S. Caldwell dissection - ♀).
 [Lamenia vulgaris (Fitch)]

MEMBRACIDAE

- Smilia auriculata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:49.
 Holotype: No. 676 ♂.
 [Archasia galeata (Fab.)]
- Uroxiphus caryae* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:52.
 Holotype: No. 700 ♂.
 Allotype: No. 701 ♀.
 [Microcentrus caryae (Fitch)]
- Smilia castanea* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:49.
 Holotype: No. 669 ♂.
 Allotype: No. 670 ♀.
 [Atymna castanea (Fitch)]
- Telamona concava* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:50.
 Holotype: 686 ♀.
- Telamona coryli* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:51.
 Holotype: No. 690 ♀.
 [Telamona tristis Fitch]
- Thelia crataegi* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:52.
 Holotype: No. 697 ♀.
 [Glossonotus crataegi (Fitch)]
- Tragopa dorsalis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:52.
 Holotype: No. 698 ♂.
 Allotype: No. 699 ♀.
 [Micrutalis dorsalis (Fitch)]
- Telamona fagi* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:51.
 Holotype: No. 687 ♂.
 [Heliria fagi (Fitch)]
- Telamona fasciata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:50.
 Holotype: No. 685 ♀.
 [Telamona unicolor Fitch]
- Cyrtosia fenestrata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:49.
 Holotype: No. 678 ♀.
 Allotype: [No. 678 (bis)] ♀.
 [Cyrtolobus fenestrata (Fitch)]
- Smilia vittata guttata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:49.
 Holotype: No. 675.
 [Smilia camelus Fab.]
- Cyrtolobus parvulus* Woodruff, 1924, Jour. N.Y. Ent. Soc. 32:31.
 Paratypes, 2: N.Y. [not cited in original description].
- Smilia querci* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:49.
 Holotype: No. 672 ♂.
 [Atymna querci (Fitch)]
- Telamona querci* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:51.
 Holotype: No. 691 ♂.
 Allotype: No. 692 ♀.
 [Telamona monticola (Fab.)]
- Telamona reclinata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:51.
 Holotype: No. 693.
- Entilia sinuata torva* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:47.
 Holotype: No. 647.
 [Entylia carinata (Forster)]

- Telamona tristis* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:51.
Holotype: No. 689.
Telamona unicolor Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:50.
Holotype: No. 684 ?.

PSYLLIDAE

- Psylla annulata* Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:64.
Holotype: No. 834 ♂. DESTROYED.
Allotype: No. 835 ♀. DESTROYED.
Psylla carpini Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:64.
Holotype: No. 832 ♂. DESTROYED.
Allotype: No. 833 ♀. DESTROYED.
Livia femoralis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:64.
Holotype: No. 838 ♀. DESTROYED.
Psylla quadrilineata Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:64.
Holotype: No. 831 ♀. DESTROYED.
Psylla tripunctata Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:64.
Holotype: No. 830 ♀. DESTROYED.
Livia vernalis Fitch, 1851, 4th Rpt. N.Y.S. Cab. Nat. Hist.:64.
Holotype: No. 836 ♂. DESTROYED.
Allotype: No. 837 ♀. DESTROYED.

TINGIDAE

- Corythuca betulae* Drake, 1918, in Gibson, Trans. Amer. Ent. Soc. 44:86.
Paratype, 1: N.Y.
[*Corythuca pallipes* Parshley]

THYSANOPTERA

- Asprothrips rauli* Crawford, 1938, Proc. Ent. Soc. Wash. 40:110.
Paratype, 1: N.Y. [one slide with several specimens].

COLEOPTERA

CANTHARIDAE

- Podabrus intrusus* Green, 1947, Trans. Amer. Ent. Soc. 73:67.
Paratypes, 9: N.Y.
Podabrus planulus Green, 1947, Trans. Amer. Ent. Soc. 73:63-76.
Paratypes, 3: N.Y.

CARABIDAE

- Dicaelus sculptilis upiodes* Ball, 1959, Mem. Amer. Ent. Soc. 16:144.
Paratype, 1: S.D.

CERAMBYCIDAE

- Saperda imitans* Felt & Joutel, 1904, N.Y.S. Mus. Bull. 74:58.
Syntypes, 2: Montreal, Can. N.Y.S. Coll.

CHRYSOMELIDAE

- Paria arizonensis* Wilcox, 1957, N.Y.S. Mus. Bull. 365:29.
Paratypes, 2: Ariz.
- Syneta extorris borealis* Brown, 1961, Can. Ent. 93:968.
Paratypes, 2: Me.
- Haltica brisleyi* Gentner, 1928, Trans. Amer. Ent. Soc. 54:59.
Paratypes, 1: Ariz.
[*Altica brisleyi* (Gentner)]
- Exora californica* Wilcox, 1953, Ohio Jour. Sci. 53(1):52.
Paratype, 1: Cal.
- Exema mormona* Karren, 1966, Univ. Kansas Sci. Bull. 44:659.
Paratypes, 2: Kans.
- Luperaltica nitida* Wilcox, 1953, Ohio Jour. Sci. 53(1):56.
Paratypes, 7: Tex.
- Chlamisus platani* Brown, 1952, Can. Ent. 84:338.
Paratype, 1: N.Y.
[*Neochlamisus platani* (Brown)]
- Triarius santarosarium* Wilcox, 1953, Ohio Jour. Sci. 53(1):51.
Paratype, 1: Cal.
[*Triarius melanolomatus* Blake]

CURCULIONIDAE

- Hylobius radialis* Buchanan, 1934, Proc. Ent. Soc. Wash. 36:252.
Paratypes, 4: N.Y.
- Zeugonyx sabinae* Notman, 1922, Jour. N.Y. Ent. Soc. 30:129.
Holotype: Austin, Tex. Mar. 29, 1919 N.Y.S. Coll./ Type
Zeugonyx sabinae Notman.
[*Nanophyes sabinae* (Notman)]

EROTYLIDAE

- Dacne cyclochilus* Boyle, 1954, Jour. N.Y. Ent. Soc. 62:51.
Paratypes, 2: Utah.

HALIPLIDAE

- Haliplis connexus* Matheson, 1912, Trans. Amer. Ent. Soc. 3:325-344.
Paratypes, 4: N.Y.

LAMPYRIDAE

- Pyractomena dispersa* Green, 1957, Wasman Jour. Biol. 15(2):279.
Paratypes, 2: N.Y.
[*Lecontea dispersa* (Green)]

SCARABEIDAE

- Diplotaxis protensa* Fall, 1932, Jour. N.Y. Ent. Soc. 40:193.
Syntypes, 8: 1) Bent, N. Mex. 1-15-VIII-27. 2) [same data]
15-30-VI-27. 3,4) [same data] 1-15-V-27. 5-8) Mescalera
Res., N.M. VII 1927.

MECOPTERA

PANORPIDAE

Panorpa acuta Carpenter, 1931, Bull. Mus. Comp. Zool., Harvard 72:253.

Paratypes, 2: N.Y.

Panorpa elaborata Carpenter, 1931, Bull. Mus. Comp. Zool., Harvard 72:239.

Paratypes, 2: N.Y.

Panorpa submaculosa Carpenter, 1931, Bull. Mus. Comp. Zool., Harvard 72:255.

Paratype, 1: N.Y.

TRICHOPTERA

HYDROPSYCHIDAE

Hydropsyche codona Betten, 1934, N.Y.S. Mus. Bull. 292:187.

Holotype: Ogdensburg Aug. 25, 1906/ *Hydropsyche codona* Betten

Holotype ♂.

Allotype: Ogdensburg Aug. 21, 1906/ *Hydropsyche codona* Betten

Allotype ♀.

Paratypes, 2: N.Y.

[*Hydropsyche recurvata* Banks]

HYDROPTILIDAE

Hydroptila waubesiana Betten, 1934, N.Y.S. Mus. Bull. 292:160.

Holotype: Waubesa Lk, Wisc. July/ *Hydroptila waubesiana* Bet.

Holotype ♂ [in alcohol].

Allotype: Waubesa Lake, Wisc. Jly 12, 1912/ *Hydroptila waubesiana*

Betten Allotype ♀ [in alcohol].

Paratypes, 5: Wisc.

LEPTOCERIDAE

Triaenodes vorhiesi Betten, 1934, N.Y.S. Mus. Bull. 292:286.

Holotype: Waubesa Lake, Wis./ *Triaenodes vorhiesi* Betten Holotype ♂/

Triaenodella vorhiesi Bet.

Paratype, 1: N.Y.

[*Triaenodes tarda* Milne]

LIMNephilidae

Neophylax consimilis Betten, 1934, N.Y.S. Mus. Bull. 292:376.

Holotype: Old Forge, N.Y. July 10/ *Neophylax consimilis* Bet.

holotype ♂ [in alcohol].

Allotype: Old Forge, N.Y. July 17, 1905 N.Y.S. Coll./ *Neophylax*

consimilis Betten allotype ♀.

Paratypes, 2: N.Y.

Limnephilus eminens Betten, 1934, N.Y.S. Mus. Bull. 292:323.

Holotype: Saranac Inn, N.Y. Aug./ *Limnephilus eminens* Betten ♂.

Paratype, 1: N.Y.

[*Limnephilus sericeus* (Say)]

Stenophylax luculentus Betten, 1934, N.Y.S. Mus. Bull. 292:345.

Holotype: Ithaca, N.Y. 8/2/ *Stenophylax luculentus* Betten holotype ♂/
Pycnopsyche luculenta Bet. ♂.

Allotype: Old Forge, N.Y. 8/20/05/ *Stenophylax luculentus* Betten
allotype ♀/ *Pycnopsyche luculenta* Bet. ♀.

Paratypes, 2: N.Y.

[*Pycnopsyche luculenta* (Betten)]

Limnephilus tersus Betten, 1934, N.Y.S. Mus. Bull. 292:334.

Holotype: Old Forge, N.Y. Aug. 10 '05/ *Limnephilus tersus* Betten
holotype ♂.

Allotype [two specimens so labeled!]: Old Forge, N.Y.

Aug. 18, '05/ *Limnephilus tersus* Betten allotype ♀.

Paratypes, 2: N.Y.

[*Limnephilus externus* Hagen]

Drusinus uniformis Betten, 1934, N.Y.S. Mus. Bull. 292:360.

Holotype: Ithaca, N.Y. July 15/ *Drusinus uniformis* Bet. holotype ♂
[in alcohol].

MOLANNIDAE

Molanna musetta Betten, 1934, N.Y.S. Mus. Bull. 292:248.

Holotype: Old Forge, N.Y. Aug 10 ♂/ *Molanna musetta* Bet. holotype ♂
[in alcohol].

Allotype: Old Forge, N.Y. Aug 10/ *Molanna musetta* Bet. allotype ♀
[in alcohol].

Molanna tryphena Betten, 1934, N.Y.S. Mus. Bull. 292:248.

Holotype: Old Forge, N.Y. 7/29/05/ *Molanna tryphena* Betten
holotype ♂.

Paratypes, 3: N.Y.

PHILOPOTAMIDAE

Chimarrha lucia Betten, 1934, N.Y.S. Mus. Bull. 292:175.

Holotype: Ithaca, N.Y. July 5/ *Chimarrha lucia* Betten holotype ♂.

Allotype [two specimens so labeled!]: 1) Waldoboro. Me June 5 ♀/
Chimarrha lucia Betten Allotype ♀. 2) Ogdensburg, N.Y. Aug.
16 *Chimarrha lucia* Betten Allotype ♀ [in alcohol].

[*Chimarra obscura* (Walker)]

POLYCENTROPIDAE

Plectrocnemia lutea Betten, 1934, N.Y.S. Mus. Bull. 292:219.

Holotype: Buffalo, N.Y. July 2, 1906/ C. Betten det./ *Plectrocnemia*
lutea Betten Holotype ♂.

Paratypes, 2: N.Y.

[*Polycentropus cinereus* Hagen]

PSYCHOMYIDAE

Lype griselda Betten, 1934, N.Y.S. Mus. Bull. 292:229.

Holotype: Old Forge, N.Y. 6/23/05/ *Lype griselda* Bet. Holotype ♂.

Paratypes, 2: N.Y.

[*Lype diversa* (Banks)]

RHYACOPHILIDAE

Rhyacophila andrea Betten, 1934, N.Y.S. Mus. Bull. 292:127.

Holotype: Ithaca, N.Y. Aug 15, 1913 Cornelius Betten/ *Rhyacophila andrea* Betten Holotype ♂.

Paratypes, 2: N.Y.

[*Rhyacophila glaberrima* Ulmer]

Rhyacophila lobifera Betten, 1934, N.Y.S. Mus. Bull. 292:131.

Holotype: Gr. Lakes, Naval Trning Sta. June 1, 1914/ *Rhyacophila lobifera* Betten Holotype ♀.

Allotype: Lake Bluff, Ill. genitalia from pupa/ *Rhyacophila lobifera* Bet ♂/ ♂ allotype/ Great Lakes Naval Training Station June 1914.

LEPIDOPTERA

ARCTIIDAE

Ecpantheria sennettii Lintner, 1884, Papilio 4:147.

Holotype: Rio Grande Texas Sen. Nds./ *Ecpantheria sennettii* 8171 Lintner Type ♀.

[*Ecpantheria muzina* Oberthür]

COSSIDAE

Cossus centerensis Lintner, 1887, Can. Ent. 9:129.

Holotype: *Cossus centerensis* Lintn. Type ♂ 5366.

Allotype: *Cossus centerensis* Lintn. Type ♀ 5367.

[*Acossus centerensis* (Lintner)]

Cossus reticulatus Lintner, 1878, Ent. Contributions 4:130.

Holotype: *Cossus reticulatus* Lintner Type ♂ Ariz. 6315 [actually a ♀].

[*Prionoxystus robiniae* ab. ♀ *reticulatus* Lintner]

Cossus querciperda Fitch, 1859, 5th Rpt. Ins. N.Y.:10.

Syntypes, 2: 1) *Cossus querciperda* Fitch Type ♂ 270. 2) *Cossus querciperda* Fitch Type ♀ 137. [The type series consisted of two pairs, one of which was sent to Mr. J. W. Weidemeyer of New York; this pair was considered "probably destroyed" by Lintner].

[*Prionoxystus macmurtrei* Guerin]

Cossus undosus Lintner, 1878, Ent. Contributions 4:131.

Holotype: Wyoming Terr. Scudd./ *Cossus undosus* Lintner Type ♀ 5452.

[*Acossus undosus* (Lint.)]

EPIPLEMIDAE

- Callizzia amorata* Packard, 1876, Rept. Geol. Sur. Terr., Hayden 10:315.
 Syntype, 1: *Callizzia amorata* Pack. Type 6211 [remnant of body only].

GEOMETRIDAE

- Azelina hubnerata* var. *atrocolorata* Hulst, 1885, Ent. Amer. 1:205.
 Syntype, 1: *Azelina hubnerata* var. *atrocolorata* Hulst Type/ W. W. Hill Collection/ Tiffin o./ 6851.
 [*Stenaspilates atrocolorata* (Hulst)]
- Cidaria disjunctaria* Packard, 1873, 5th Rpt. Peab. Acad. Sci.:53.
 Syntypes, 2: 1) *Tetraphora cunigerata* (Walk)/ *Lygris mucronata* (*disjunctaria*) Packard Type 3889. 2) *Lygris mucronata* (*disjunctaria*) Packard Type ♀ 2435.
 [*Lygris explanata* Walker]
- Euchoeca exhumata* Pearsall, 1906, Can. Ent. 38:36.
 Paratypes, 3: N.Y.
 [*Hydrelia inornata* Hulst]
- Thamnonoma fascioferaria* Hulst, 1887, Ent. Amer. 2:191.
 Syntype, 1: N 186/ 7164/ *Thamnonoma fascioferaria* Hulst Type.
 [*Itame ribearia fascioferaria* (Hulst)]
- Endropia helveolaria* Hulst, 1881, Bull. Brook. Ent. Soc. 4:33.
 Syntype, 1: 249/ *Endropia helveolaria* Hulst Type Wm. W. Hill Coll.
 [*Lychnosea helveolaria* (Hulst)]
- Aplodes latiararia* Packard, 1873, Rpt. Peab. Acad. Sci. 5:74.
 Holotype: *Aplodes latiaris* Pack. Type 872.
 [*Nemoria mimosaria* Gn.]
- Endropia lentaria* Hulst, 1886, Ent. Amer. 1:207.
 Syntype, 1: *Endropia lentaria* Hulst Type 283.
 [*Stenaspilatodes antidiscaria* Walker]
- Semiothusa mendicata* Hulst, 1887, Ent. Amer. 2:189.
 Syntype, 1: Prescott, Arizona/ W. W. Hill Coll./ *Semiothusa mendicata* Hulst Type.
- Semiothusa metanemaria* Hulst, 1887, Ent. Amer. 2:188.
 Syntypes, 2: 1) Ariz./ *Semiothusa metanemaria* Hulst Type Wm. W. Hill Coll. 867. 2) [same data, no number].
 [*Elpiste metanemaria* (Hulst)]
- Cidaria packardata* Lintner, 1878, Ent. Contributions 4:113.
 Syntype, 1: *Cidaria packardata* Lintner ♀ Keene Flats.
 [*Lygris propulsata* Walker]
- Eupithecia palpata* Packard, 1873, 5th Rpt. Peab. Acad. Sci.:58.
 Allotype: *Eupithecia palpata* Pack. Type 983 ♀.
 Paratype, 1: *Eupithecia palpata* Pack. Type 1032 ♀ [Albany, N.Y.].
- Larentia perlineata* Packard, 1874, Proc. Bost. Soc. Nat. Hist. 16:19.
 Holotype: *Ophorabia perlineata* (Pack.) 790 ♂/ *Larentia perlineata* Pack. Type Albany (Lint.).
 Allotype: V.4/70 ♀/ *Larentia perlineata* Pack. Type Albany.
 [*Venusia comptaria* Walker]
- Ephyra plantagenaria* Hulst, 1887, Ent. Amer. 2:185.
 Syntypes, 2: 1) 7/76/ From Grote/ *Ephyra plantagenaria* Hulst Type 7570. 2) Tex./ Wm. W. Hill Coll./ *Ephyra plantagenaria* Hulst Type.

- [*Scopula plantagenaria* (Hulst)]
Eucrostis saltusaria Hulst, 1886, Ent. Amer. 2:122.
 Syntype, 1: 687/ Indian Riv., Fla./ Wm. W. Hill Coll./ *Eucrostis saltusaria* Hulst Type.
 [*Eueana niveociliaria* H.-S.]
Ellopiia somniaria Hulst, 1886, Ent. Amer. 1:208.
 Syntype, 1: 737/ Was. T./ Wm. W. Hill Coll./ *Ellopiia somniaria* Hulst Type.
 [*Ellopiia fiscellaria* race *somniaria* (Hulst)]
Semiothisa tenebrosata Hulst, 1887, Ent. Amer. 2:189.
 Syntype, 1: Ariz./ *Semiothisa tenebrosata* Hulst Type.
Corycia triseriata Packard, 1874, 6th Rpt. Peabody Acad. Sci. 50:325.
 Syntype, 1: 1853/ *Corycia triseriata* Pack. Type/ *Asthen albogilvaria* (Storr.).
 [*Hydrelia albifera* Walker]
Cleora venata Grote, 1883, Can. Ent. 15:133.
 Syntype, 1: 6011 W. W. Hill Coll./ *Cleora venusta* Grote Type.
 [*Enypia venata* Grote]

HEPIALIDAE

- Hepialis furcatus* Grote, 1883, Can. Ent. 15:30.
 Syntypes, 4: 1) Adirondacks (Mt. Marcy) July 1882 ♂ W. W. Hill Coll./ *Hepialis furcatus* Grote Type. 2,3) [same data] 6005 ♂. 4) [same data] 6006 ♀.
 [*Hepialis gracilis* Grote]

HESPERIIDAE

- Nisoniades ausonius* Lintner, 1872, Ent. Contributions 1:34.
 Holotype: Center, N.Y. May 12, 1871 Lintner Coll./ *Nisoniades ausonius* Lintner Type ♂ 3256/ *Thanaos* (*Nisoniades*) *ausonius* Lint. Holotype.
 [*Erynnis martialis* ab. *ausonius* (Lintner)]
Nisoniades icelus Scudder & Burgess, 1870, Proc. Bost. Soc. Nat. Hist. 13:288.
 Holotype: N. *icelus* Lintn. ♂ Center, N.Y. May 25/70./ *Thanaos* (*Nisoniades*) *icelus* Lintn. holotype.
 Paratypes, 6: N.Y.
 [*Erynnis icelus* (Scudder & Burgess)]
Nisoniades lucilius Scudder & Burgess, 1870, Proc. Bost. Soc. Nat. Hist. 13:287.
 Holotype: *Lucilius* ♂ 2966 VII 6/70-5./ *Thanaos* (*Nisoniades*) *lucilius* Lint. Holotype.
 Allotype: *Lucilius* VII- 6/70-5 ♀/ 2967/ *Thanaos* (*Nisoniades*) *lucilius* Lint. Allotype.
 Paratypes, 24: [no locality labels].
 [*Erynnis lucilius* (Scudder & Burgess)]
Thanaos (*Nisoniades*) *naevius* Lintner, 1881, Papilio 1:69.
 Syntypes, 3: 1) Indian Riv. Florida 7771/ *Nisoniades naevius* Lintner Type ♀/ *Thanaos* (*Nisoniades*) *naevius* Lintner Cotype. 2) Ind. River/ N. *naevius* Lintn. Type ♂ 6247./ *Thanaos* (*Nisoniades*) *naevius* Lintner Cotype. 3) *Nisoniades naevius* Lintner Type ♀./ *Thanaos* (*Nisoniades*) *naevius* Lintner Cotype.

[original description says 3 ♂♂, we have 1♂, 2 ♀♀].

[*Erynnis zarucco* Lucas]

Pamphila osceola Lintner, 1878, Ent. Contributions 4:58.

Holotype: *Osceola* Lintner 5698 Cal. ♂/ *Euphes osceola* Type Lintner.

[*Atrytone ruricola* (Boisduval)]

Nisoniades pacuvius Lintner, 1878, Ent. Contributions 4:60.

Holotype: *Nisoniades pacuvius* Lintn. 5200 New Mex. ♂/ *Thanaos*
(*Nisoniades*) *pacuvius* Lint. Holotype.

[*Erynnis pacuvius* Lintner]

Nisoniades petronius Lintner, 1881, Papilio 1:70.

Holotype: *Petronius* Ind. Riv. (Fla.)/ *N. petronius* Lintn. Type ♂
248./ *Thanaos* (*Nisoniades*) *pucuvius* Lint. Holotype.

Allotype: [same data] ♀ Allotype 6249.

[Holotype designation affixed by unknown worker - original
description says described from 4 ♂♂, 1 ♀].

[*Erynnis horatius* Scudder & Burgess]

LYCAENIDAE

Lycaena lotis Lintner, 1878, Ent. Contributions 4:57.

Syntype, 1: Colo./ *L. lotis* Lintner Type ♀ 5668/ *Plebius melissa*
lotis Lint. Type.

[*Lycaeides melissa lotis* (Lintner)]

NOCTUIDAE

Ammaconia badicollis Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:136.

Syntype, 1: J. A. Lintner Coll./ *Agrotis badicollis* Grote ♀ 2558/
Ammaconia badicollis Grote Type.

[*Anomogyna badicollis* (Grote)]

Agrotis badinodis Grote, 1874, Can. Ent. 6:13.

Holotype: J. A. Lintner Coll./ *Agrotis badinodis* Grote Type 2506.

[*Graphiphora badinodis* (Grote)]

Acronicta insita var. *canadensis* Smith, 1898, Proc. U.S. Nat. Mus. 21:57.

Syntype, 1: Murray Bay Prov. of Quebec July or Aug. 1878 E. Corning
Jr. Coll./ *A. insita* var. *canadensis* Smith ♀ cotype.

[*Acronicta lepusculina* f. *canadensis* (Smith)]

Mamestra claviplena Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:194.

LECTOTYPE, present designation: A ♀ specimen bearing the following
labels: J. A. Lintner Collector/ *Mamestra claviplena* Grote
♀ 2287./ "♀ Type can not find ♂ type in Lintner Coll."/ ♀
genitalia slide 355 T. L. McCabe [♂ type has been lost and we
select this ♀ as it represents the only remaining specimen of
the type series].

[*"Polia" detracta* Walker]

Plusia culta Lintner, 1885, 2nd Rpt. Ins. N.Y.:94.

Syntypes, 3: 1) Ex larva Mch 8, 1883 Albany, N.Y./ J. A. Lintner
Coll./ *Plusia?* *culta* Lintn. ♂ 6835/ ♂ genitalia slide 356
T. L. McCabe. 2) Ex larva Mch 6, 1883 Albany, N.Y./ J. A.
Lintner Coll./ *Plusia culta* Lintn. ♂ 6837. 3) [same data] ♀
no. 6836.

[*Pseudoplusia includens* (Walker)]

- Catocala concumbens* ab. *hilli* Grote, 1883, Papilio 3:43.
 Holotype: 6062/ Centre, N.Y. Aug 2/1877 ♀ W. W. Hill Coll./
C. concumbens var. *hilli* Grote Type.
- Hadena hillii* Grote, 1878, Ann. Lyc. Nat. Hist. N.Y. 11:305.
 Holotype: 1853/ Lewis Co., N.Y. July 26/1876 Wm. W. Hill Coll. ♂/
Hadena hillii Grote Type.
 [*Eremobina hilli* (Grote)]
- Hypocala hillii* Lintner, 1878, Ent. Contributions 4:103.
 Holotype: 2628/ Centre, N.Y. Oct. 15/77 ♀ W. W. Hill Coll./
Hypocala hillii Lintn. ♀/ Holotype.
 [*Hypocala andremona* Cramer]
- Agrotis hospitalis* Grote, 1882, Can. Ent. 14:184.
 ?Syntype?: No. 4 Lewis Co., N.Y. July 1880 ♀ W. W. Hill Coll./
 "Only specimen from Hill Coll. that can be type of *Noctua*
hospitalis though" [unknown author, probably Richards].
 [*Diarsia juncunda* Walker]
- Melaporphyria immortua* Grote, 1874, Bull. Buff. Soc. Nat. Sci. 2:75.
 Syntype, 1: 2983 VI.1-4/ J. A. Lintner Coll./ *Melaporphyria immortua*
 Grote Type ?.
- Gortyna impecuniosa* Grote, 1882, Bull. Geol. Surv. 6:267.
 ?Syntype?, 1: 5903/ Centre, N.Y. Sept. 25/77 W. W. Hill Coll. ♂/
Gortyna impecuniosa Type [appears to bear a Grote label -
 no mention made of this specimen in type description].
 [*Papaipema impecuniosa* (Grote)]
- Megachyta inconspicualis* Grote, 1883, Can. Ent. 15:30.
 Syntype, 1: Adirondacks, N.Y. Mt. Marcy July 1882 ♂ W. W. Hill Coll.
Megachyta inconspicualis Grote Type/ W. W. Hill Collection/
 6009/ "one of two type spec."
 [*Epizeuxis inconspicualis* (Grote)]
- Meghypena lentiginosa* Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:87.
 Holotype: Schenectady, N.Y. July 1861(?) Lintner Coll./
Meghypena lentiginosa Grote Type ♂ 2339/ Holotype.
 [*Bomolocha edictalis* Walker]
- Xylina lepida* Lintner, 1878, Ent. Contributions 4:95.
 Syntype, 1: Centre, N.Y. 9/1877 W. W. Hill Coll./ *Xylina lepida*
 Lintner Type ♀ 2252/ "one of 5 types".
 [*Lithophane lepida* Grote]
- Sarothripus lintnerana* Speyer, 1875, Ent. Zeitung (Stettin) 36:170.
 ?Holotype?: 671/ Type/ G. H. Hudson Coll./ "*Nycteola revayana*
 form race *lintnerana* descr. from unique type from Meske.
 No indication in O.D. where types of *cinereana* N. & D. or how
 many. May be either of these." [Unknown author - Richards?].
 [*Sarothripus revayana lintnerana* (Speyer)]
- Litognatha litophora* Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:86.
 ?Syntype?: Lintner Coll./ *Litognatha litophora* (Gr. det.) Grote
 ♂ 2535/ holotype [does not appear to have a Grote label -
 holotype should be a Philadelphia specimen].
 [*Hormisa litophora* (Grote)]
- Feralia major* Smith, 1890, Ent. Amer. 6:26.
 Syntypes, 4: 1) Plattsburgh, N.Y. May 16, 1887 E. light G. H. Hudson
 Coll./ *Feralia major* Smith Type 1232. 2) [same data] 1223. 3)
 [same data] Apr. 28, 1888 5345. 4) [same data] Apr 19, 1889
 6118.

- Catocala sordida* form *metalomus* Mayfield, 1922, Bull. Brook. Ent. Soc. 17:141.
Paratype, 1: N.Y.
- Litognatha nubilifascia* Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:85.
?Paratype?: Lintner Coll. Utica, N.Y. 1865/ *Litognatha nubilifascia* (Grote det.) Grote ♀ 3629/ J. A. Lintner Coll./ "Cotype? Lintner number of O.D. but no Utica specimens in O.D., det. by A. G. Richards Jr. 1934."
[*Hormisa absorptalis* Walker]
- Calocampa nupera* Lintner, 1874, Bull. Buff. Soc. Nat. Sci. 2:188.
Syntypes, 2: 1) Type/ *Calocampa nupera* Lintn. ♀ 865/ J. A. Lintner Coll. 2) [same data] ♂ 2941 [Albany and Schoharie N.Y., April 20th and June 1st].
[*Xylena nupera* (Lintner)]
- Anytus sculptus* var. *planus* Grote, 1882, Can. Ent. 14:183.
Syntype, 1: 5968/ Lewis Co., N.Y. Sept 4, 1878 ♀ W. W. Hill Coll./ *Anytus planus* var. Type.
[*Sutyna privata plana* (Grote)]
- Ipimorpha pleonectusa* Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:191.
Syntype, 1: 16.8.73 Sharon/ J. A. Lintner Coll./ *Ipimorpha pleonectusa* Grote Type ♂ 3476/ "also 2 types in Brit. Mus. per Hampson." [Meske specimens went to U.S.N.M. - he may have used 3476 repeatedly].
- Catocala pretiosa* Lintner, 1876, Can. Ent. 8:121.
Syntype, 1: Schenectady July 10, 1874 Lintner Coll./ *pretiosa* Lintn. ♂ 3966.
- Ufeus satyricus* Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:101.
Syntype, 1: J. A. Lintner Coll./ *Ufeus satyricus* Grote Type ♀ [Albany specimen should have had 2/14 on it].
- Hadena senescens* Grote, 1878, Can. Ent. 10:235-7.
Syntype, 1: Lewis Co., N.Y. Sept 27 '78 W. W. Hill Coll. ♀/
Hadena senescens Grote Type.
[*Hillia irus* Zett.]
- Cucullia speyeri* Lintner, 1874, Ent. Contributions 3:168.
?Paratype?, 1: *Cucullia speyeri* Lintner ♀ Pa. 3751/ J. A. Lintner/ Probably to be considered a paratype as is apparently the specimen rec'd from Strecker & noted in footnote (p. 173) of O.D. det A. G. Richards Jr., 193_.
- Xylomiges tabulata* Grote, 1878, Bull. U.S. Geol. Surv. 4:181.
Syntype, 1: 2266/ Lewis Co., N.Y. June 30/77 W. W. Hill Coll./ *Xylomiges tabulalis* Grote Type ♀/ Cotype - others in B.M.
[*Xylomiges alternans* (Grote)]
- Tarache terminimaculata* Grote, 1873, Bull. Buff. Soc. Nat. Sci. 1:153.
?Syntype?, 1: 1061 *Tarache terminimaculata* Grote ♂ (Grote det.)/ J. A. Lintner Coll. [only specimen with J.A.L. label].
[*Acontia terminimaculata* (Grote)]
- Agrotis tricola* Lintner, 1874, Ent. Contributions 3:159.
Syntypes, 5: 1,2) *Agrotis tricola* Lintn./ J. A. Lintner Coll. 3) [same data] ♂. 4) *Agrotis tricola* var. Lintn. ♂ 92a/ J. A. Lintner Coll. 5) *Agrotis tricola* Lintner ♀ 148/ J. A. Lintner Coll. [Specimens 4 and 5 boxed separately with note: "These two specimens are the only ones in Lintner Coll. under this name. Nothing to indicate that they are or are not types.

Described from 9 ♂ and 5 ♀. Hampson records types for British Museum. A. G. Richards Jr. 1934." [one in CU marked type].

[*Feltia tritosa* (Lintner)]

Phaeocyma umbrina Grote, 1883, Can. Ent. 15:3.

Syntype, 1: 6008/ *Phaeocyma umbrina* Grote ♀ Type/ Ariz/ W.W.Hill Coll.

6007 ♂ *Phaeocyma umbrina* Grote 6008 ♀ Type [specimen is a ♀].

[*Zaleops umbrina* (Grote)]

Xylina unimoda Lintner, 1878, Ent. Contributions 4:96.

Syntypes, 2: 1) Centre, N.Y. Oct 12/77 Wm. W. Hill Coll./ *Xylina*

unimoda Lintn. Type ♂/ 2333. 2) [same data] ♀ 2234.

[*Lithophane unimoda* (Lintner)]

Glaea venustula Grote, 1875, Can. Ent. 7:84.

Syntype, 1: Md. *Glaea venustula* Grote Type ♂ 2282/ J. A. Lintner Collection.

[*Harpaglaea sericea* (Morrison)]

NOTODONTIDAE

Cerura aquilonaris Lintner, 1878, Proc. Acad. Nat. Sci. Phil.:195.

Syntype, 1: Caulfield Montreal/ *Cerura aquilonaris* Lintn. Type ♀ 6310.

[*Cerura scolopendrina aquilonaris* Lintner]

Gluphisia avimacula Hudson, 1891, Ent. News 2:155.

Syntype, 1: Plattsburgh, N.Y. May 10, 1891 E. light G. H. Hudson Coll./ *Gluphisia avimacula* G. H. Hudson Type.

[*Gluphisia lintneri* f. *avimacula* Hudson]

Cerura candida Lintner, 1878, Ent. Contributions 4:87.

Holotype: From Strecker/ *Cerura candida* Lintn. Type ♀ 5215.

Cerura modesta Hudson, 1891, Can. Ent. 23:197.

Syntypes, 3: 1) Plattsburgh, N.Y. June 20, 1891 E. light G. H. Hudson Coll./ *Cerura modesta* Hudson Type. 2) [same data] June 11, 1891. 3) [same data] May 10, 1891.

Cerura occidentalis Lintner, 1878, Ent. Contributions 4:82.

LECTOTYPE, present designation: A ♂ specimen bearing the following labels: Riemann/ *Cerura occidentalis* Lintn. ♂ 5817

[J. G. Franclemont has examined the type series and indicated this specimen as lectotype; the lectotype designation is hereby credited to J. G. Franclemont].

NYMPHALIDAE

Apatura cocles Lintner, 1884, Papilio 4:141.

Syntype, 1: Rio Grande Webster/ *Apatura cocles* Lintn. Type ♀ 5861 MS.

[*Asterocampa leilia* Edwards]

OLETHREUTIDAE

Oleuthreutes approximana Heinrich, 1919, Insecutor Inscitiae Menstruus 7:65.

Paratype, 1: N.Y.

[*Esia approximana* Heinrich]

PIERIDAE

Kricogonia lanice Lintner, 1884, Papilio 4:138.

Syntype, 1: Rio Grande Webster/ *Kricogonia* sp./ *Kricogonia lanice*
Lintn. Type ♀ 5865.

[*Kricogonia lyside* Godart]

SATURNIIDAE

Hemileuca maia ab. *lintneri* Cockerell, 1914, in Packard, Mem. Natl. Acad.
Sci. 12(1):17.

Holotype: *Hemileuca maia* Drury var. ♂ J. A. Lintner Coll.

SPHINGIDAE

Sphinx insolita Lintner, 1884, Papilio 4:145.

Holotype: Rio Grande, Texas 1878 Sennett/ *Sphinx insolita* Lintner
Type.

[*Sphinx libocedrus* Edwards]

Ellema pineum Lintner, 1872, Ent. Contributions 1:37.

Syntypes, 4: 1) *Ellema pineum* Lint. Type ♂ 61/ fotogr. for Lapara
publ./ genitalia prep J.C.E. Riotte Lep no. 9-228. 2) *Ellema*
pineum Lintn. Type 29 ♀/ fotogr. for Lapara publ./ ♀ Gen. prep.
Lep. no. 9-227 J.C.E. Riotte. 3) *Lapara pini* (Lintner) Type ♀
ex. larva Schoharie, N.Y. 1858/59 Gen. Prep. no. 9-228 J. Riotte
ROM/ Used for the publication on Lapara by J.C.E. Riotte - ROM
(in alcohol). 4) [same data] ♂ gen. prep. no. 9-227 (in
alcohol).

[*Lapara bombycoides* Walker]

HYMENOPTERA

CYNIPIDAE

Diplolepis basseti var. *lucida* Kinsey, 1922, Ind. Univ. Studies 53:57.

Paratypes, 6: Ore.

Diplolepis variabilis var. *lutescens* Kinsey, 1922, Ind. Univ. Studies
53:57.

Paratypes, 5: Colo.

Diplolepis fusiformans var. *mendocinensis* Kinsey, 1922, Ind. Univ. Studies
53:62.

Paratype, 1: Calif. [gall only].

Holcaspis rubens Gillette, 1893, Ent. News 4:29.

Syntype, 1: Colo./ *Holcaspis rubens* Type Gill. Col.

[*Disholcaspis rubens* (Gillette)]

Diplolepis variabilis var. *sculpta* Kinsey, 1922, Ind. Univ. Studies 53:75.

Paratypes, 5: Utah

Andricus splendens Weld, 1919, Can. Ent. 51:254.

Paratypes, 16: Ariz.

Diplolepis tuberculatrix var. *tumida* form *xerophila* Kinsey & Ayres, 1922,
Ind. Univ. Studies 53:151.

Paratype, 1: Utah [gall only].

HALICTIDAE

Augochlora coloradensis Titus, 1901, Can. Ent. 33:133.

Syntypes, 3: 1,2) Ft. Collins Col. 5.30 00/ N.Y.S. Coll., 1902/
Augochlora coloradensis Titus Type ♀/ *Halictus coloradensis*
 Titus Type. 3) Ft. Collins Col. 5/ /00./ N.Y.S. Coll., 1902/
Halictus coloradensis Titus type.

[*Augochlora striata* Provancher]

Halictus euryceps Ellis, 1914, Ent. News 25(3):98.

Syntype, 1: Beulah, N.M. end of Aug. (Ck11)/ *Halictus euryceps* Ellis
 Cotype.

[*Lasioglossum euryceps* (Ellis)]

Halictus jamaicae Ellis, 1914, Ent. News 25(3):100.

Syntype, 1: Liguanea Plain, Jamaica Nov. Dec. 1911, Masc., Col. T.
 Brues/ *Halictus jamaicae* Ellis Cotype.

ICHNEUMONIDAE

Ophion abnormum Felt, 1904, N.Y.S. Mus. Bull. 76:121.

Holotype: *Ophion abnormum* Felt Type/ *Enicospilus abnormum* Felt Type.

[*Enicospilus abnormus* (Felt)]

Ophion appendiculatum Felt, 1902, Psyche 9:308.

Holotype: *Ophion appendiculatum* Felt Type/ *Enicospilus*
appendiculatum Felt Type.

[*Enicospilus appendiculatum* (Felt)]

Ophion (Enicospilus) arcuatum Felt, 1902, Psyche 9:307.

?Lectotype?: Albany, N.Y. May 6, 1876/ *Ophion arcuatum* Felt/
Enicospilus arcuatum Felt Type/ "I shall designate this specimen
 lectotype (RAG)."

Paralectotype, 1: [no locality].

[*Enicospilus arcuatum* (Felt)]

Ophion ferruginipennis Felt, 1904, N.Y.S. Mus. Bull. 76:122.

Paratype, 1: [no locality].

[*Ophion slossonae* Davis]

Genophion gilletti Felt, 1904, N.Y.S. Mus. Bull. 76:123

Holotype: Colo. 2565, *Genophion gilletti* Felt Type Genotype
 Monotype.

[*Genophion costalis* (Cresson)]

PAMPILIIDAE

Acantholyda ferruginea Felt, 1917, Can. Ent. 49:192.

Holotype: 5000 [t/ Mt. Marcy N.Y. 31 July, 1913 N.Y.S. Coll./
Acantholyda ferruginea Felt Monotype/ *Acantholyda ferruginea*
 Felt Type.

PLATYGASTERIDAE

Platygaster leguminicolae Fouts, 1920, Proc. Ent. Soc. Wash. 22:69.

Paratype, 1: Ore.

Polymecus semiglaber Girault, 1920, U.S. Natl. Mus. Proc. 58:177.

Paratypes, 6: N.Y.

[*Platygaster semiglabra* Girault]

TENTHREDINIDAE

Aulacomerus lutescens Lintner, 1888, 4th Rpt. Ins. N.Y.:44.

Syntypes, 2: 1) Albany, N.Y. July 19, 1888/ *Aulacomerus lutescens* Lintner 7975. 2) *Aulacomerus lutescens* Lintner Type/ *Aulacomerus lutescens* Lintner Type 7976.

[*Trichiocampas viminalis* (Fallén)]

Euura salicicola Smith, 1879, N. Amer. Ent. 1:41.

Syntypes, 3: 1) 3172/ *Euura salicicola* Smith Paratype/ *Euura salicicola* Smith Type Ill. 2) *Euura salicicola* Smith Paratype/ *Euura salicicola* Smith ♂ Type Ill. 3) 3173/ *Euura salicicola* Smith Paratype/ *Euura salicicola* Smith ♀ 3173 Type Ill.

Macrophya trisyllabus var. *sinanula* Ross, 1931, Ann. Ent. Soc. Amer. 24:127.

Paratypes, 2: N.Y.

[*Macrophya trisyllaba* (Norton)]

XYELIDAE

Pleroneura borealis Felt, 1917, Can. Ent. 49:191.

Lectotype: L. Clear N.Y. June 7, 1906 N.Y.S. Coll./ Type/ *Pleroneura borealis* Felt Lectotype.

Paralectotypes, 2: 1) L. Clear, N.Y. June 7, 1906 N.Y.S. Coll./ *Pleroneura borealis* Felt, L. Clear N.Y. wing, ant., tarsi, & ♂ genitalia - 7 June '06: 13 Jan 1914.

DIPTERA

ACROCERIDAE

Ogcodes adaptatus Schlinger, 1960, U.S. Natl. Mus. Proc. 111:297.

Paratypes, 2: Cal.

AGROMYZIDAE

Agromyza aristata Malloch, 1915, Can. Ent. 47:13.

Paratype, 1: Ill.

Agromyza felti Malloch, 1914, Ent. News 25:310.

Holotype: Hudson Falls, N.Y. May 27, 1910, N.Y.S. Coll./ Holotype *Agromyza felti* Mall. ♂.

Paratypes, 9: N.Y.

[*Liriomyza felti* (Malloch)]

Agromyza youngi Malloch, 1914, Ent. News 25:312.

Holotype: Albany, N.Y. 28 Apr. 1913 N.Y.S. Coll./ Holotype *Agromyza youngi* Mall. ♂.

Allotype: [same data as holotype] ♀.

Paratype, 1: N.Y.

[*Tylomyza nasuta* (Melander)]

ANTHOMYIIDAE

Chortophila betarum Lintner, 1883, Rpt. Ins. N.Y. 1: 1st Ann. Rpt.:208.

Syntypes, 7: 1) July 28, 1881 *Chortophila betarum* Lintner ♀. 2) Middleburgh, N.Y. ♀. 3-6) July 28, '81/ *Chortophila betarum* Lintner Type ♀. 7) *Chortophila betarum* Lintner Type ♂.
 [*Hylemya betarum* (Lintner)]
Chortophila vicina Lintner, 1883, Rpt. Ins. N.Y., 1st Ann. Rpt.:208.
 Syntypes, 2: 1) Middleburgh, N.Y. Aug. 7, '81 ♂ ex. larva/
Chortophila vicina Lintner Type ♀. 2) [same data] ♂.
 [*Pegomya hyoscyami* Panzer]

ASILIDAE

Dasyllis cinerea Back, 1904, Can. Ent. 36:289.
 Syntype, 1: Karner, N.Y. June 18, 1902 N.Y.S. Coll./ Type E. A. Back
 M.A.G./ N.Y.S. Mus./ *Dasyllis cinerea* Back ♀ cotype.
 [*Laphria cinerea* (Back)]

CECIDOMYIIDAE

Cecidomyia cucumeris Lintner, 1888, Cult. & Country Gent. 53:725.
 Syntypes, 2: 1) *Cecidomyia cucumeris* Lintn. MS ♂ See Count. Gent.
 Sept 27/88/ Paratype ♂ *Aphidoletes cucumeris* Lintn. 2) [same
 data] ♀.
 [*Aphidoletes cucumeris* (Lintner)]
Diplosis cucumeris Lintner, 1896, 11th Rpt. St. Ent. in 49th Rpt. N.Y.S.M.
 :166.
 Syntypes, 5: 1) Albany, N.Y. Aug 13, 1889 N.Y.S. Coll./ *Diplosis*
cucumeris Lintn. Type. 2-5) [same data] Aug. 22, 1892.
 [*Cecidomyia cucumeris* (Lintner)]
Cecidomyia foliora Russell & Hooker, 1908, Ent. News 19:350.
 Syntypes, 3: 1-2) Cotype *Cecidomyia foliora* C. W. Hooker/
Cecidomyia foliora C. W. Hooker 3♂ c. 1339 1908. 3) [same
 data] 2♀♀.
Cecidomyia myricae Beutenmüller, 1907, Can. Ent. 39:306.
 Syntype, 1: New Jersey 1907 N.Y.S. Coll./ Type/ *Cecidomyia myricae*
 Beut./ *Ithonida myricae* Beut.

CERATOPOGONIDAE

Culicoides alachua Jamnback & Wirth, 1963, Ent. Soc. Amer. Ann. 56:187.
 Paratypes, 3: Fla. [one slide].
Culicoides bermudensis Williams, 1956, Jour. Parasitol. 42:298.
 Paratype, 1: Bermuda B.W.I. [slide mount].
Culicoides bickleyi Wirth & Hubert, 1962, Ent. Soc. Amer. Ann. 55:188.
 Paratypes, 3: N.Y. [slide mounts].
Ceratopogon culicoidithorax Hoffman, 1926, Proc. Ent. Soc. Wash. 28:156.
 Syntypes, 7: 1-7) Karner, N.Y. May 14, 1906 N.Y.S. Coll./
Ceratopogon culicoidithorax Hoffman/ Cotype/ Chir 60.
Culicoides jamnbacki Wirth & Hubert, 1962, Ent. Soc. Amer. Ann. 55:192.
 Paratypes, 2: N.Y.
Culicoides loisae Jamnback, 1965, N.Y.S. Mus. Bull. 399:77
 Paratypes, 2: N.Y. [slide mounts].

Culicoides utowana Jannback, 1965, N.Y.S. Mus. Bull. 399:109.

Holotype: Salmon R. Blue Mt. L., N.Y. 3rd Isl. 5/23/60-7F HAJ photo/
Culicoides utowana 64 reared ♀ larva 5/23, pupa 5/26 HAJ 64

Holotype [slide mount].

Paratypes, 2: N.Y. [one slide].

CHAMAEMYIIDAE

Leucopomyia pulvinariae Malloch, 1921, Ill. State Nat. Hist. Surv.,
Bull. 13:155.

Holotype: Shushan, N.Y. 6 July 1916 N.Y.S. Coll./ Type/ *Leucopomyia*
pulvinariae Mall. Holotype.

Paratypes, 22: N.Y.

[*Leucopis* (*Leucopomyia*) *pulvinariae* (Malloch)]

CHAOBORIDAE

Corethra fuliginosus Felt, 1905, N.Y.S. Mus. Bull. 97:458.

Holotype: *Corethra fuliginosus* Nassau, N.Y. June 12, 1905. 1)

Genitalia in bal. ♀ al5l. 2) Head in bal. ♀ al5l.

[*Mochlonyx fuliginosus* (Felt)]

Sayomyia hudsoni Felt, 1904, N.Y.S. Mus. Bull. 79:371.

Syntypes, 3: 1) Poughkeepsie, N.Y. '7 June *Sayomyia hudsoni* (larva)

2) Poughkeepsie, N.Y. 28 June '04 ♀ *Sayomyia hudsoni* "select as
lectotype". 3) *Sayomyia hudsoni* ♂ Poughkeepsie, N.Y. 26 June

'04 Wing '6 July 04 S. no. 16.

[*Chaoborus americanus* (Johannsen)]

Corethra karnerensis Felt, 1904, N.Y.S. Mus. Bull. 79:347.

Holotype: 1) *Corethra karnerensis* holotype a388 genitalia in bal.

1 (2) slides Mch 25 '04. 2) *Corethra karnerensis* holotype a388
legs, wing, palpi in Can. Bal. 2(2) slides Mch 25 '04.

Paratype, 1: [no locality - two slides of one larva].

[*Mochlonyx velutinus* (Ruthe)]

Corethra lintneri Felt, 1904, N.Y.S. Mus. Bull. 79:353.

?Lectotype?: Elizabethtown, N.Y. 16 June '04 *Corethra lintneri* ♂
select as lectotype [no author for lectotype - published?].

Paralectotypes, 3: N.Y. [slide mounts].

[*Mochlonyx velutinus* (Ruthe)]

Sayomyia rotundifolia Felt, 1904, N.Y.S. Mus. Bull. 79:366.

Syntypes, 4: 1) *Sayomyia rotundifolia* Karner, N.Y. Aug. 5 '04 ♂

genitalia in bal. N.Y.S. Museum. 2) *Sayomyia rotundifolia*

Karner, N.Y. 7 July 04 wing in bal. ♂ 2 Aug. '04 s. no. 14

N.Y.S. Museum "lectotype". 3) *Sayomyia rotundifolia* Karner N.Y.

Aug 2 '04 wing in bal. ♀ N.Y.S. Museum s. no. 13. 4) *Sayomyia*

rotundifolia Karner, N.Y. 18 July '04 larva in bal. N.Y.S. Mus.

[*Chaoborus flavicans* (Meigen)]

CHLOROPIDAE

Anthracophaga distichliae Malloch, 1918, Jour. Econ. Ent. 11:386.

Syntype, 1: Long Beach, Cal. 7 Je 1916 N.Y.S. Coll./ *Anthracophaga*
distichliae Mall. Type.

[*Chlorops distichliae* (Malloch)]

CULICIDAE

- Culex abfitchii* Felt, 1904, N.Y.S. Mus. Bull. 79:381.
 LECTOTYPE, present designation: A slide of the siphon in balsam bearing the following labels: *Culex abfitchii* Karner N.Y. 3 May '04 Siphon in Bal. 18 May '04 [according to D. M. Wood, this slide is probably the one used for the photograph in the original publication. The lectotype designation is hereby credited to D. M. Wood].
 Paralectotypes, 8: N.Y.
 [*Aedes excrucians* (Walker)]
- Culex abserratus* Felt & Young, 1904, Science 20:312.
 ?Lectotype?: Elizabethtown, N.Y. cast skin *Culex abserratus* (slide) [lectotype written in red glassware pen - unpublished?].
 Paralectotypes, 2: N.Y. [slide mounts].
 [*Aedes abserratus* (Felt & Young)]
- Culex absobrinus* Felt, 1904, N.Y.S. Mus. Bull. 79:318.
 Lectotype: Elizabetht., N.Y. July 14, 1904.
 Paralectotype, 1: N.Y. [includes 12 slide mounts of adult and larval parts].
 [*Culiseta impatiens* (Walker)]
- Culicelsa auroides* Felt, 1905, N.Y.S. Mus. Bull. 97:448.
 ?Synotype?, 1: Elizabethtown, N.Y. May 16, 1905 N.Y.S. Coll. [not labeled type but with Felt's or Young's label "auroides" and six slide mounts of dissected parts].
 [*Aedes punctor* (Kirby)]
- Culex brittoni* Felt, 1905, Ent. News 16:79.
 Holotype: Branford, Ct. June 1904 H. L. Viereck/ *Culex brittoni* Felt [also have slide of wing and slide of scales on head].
 [*Culiseta morsitans* (Theobald)]
- Culex cinereoborealis* Felt & Young, 1904, Science 20:312.
 Lectotype: Delmar, N.Y. 23 Apr 04 whole in balsam [slide].
 Paralectotypes, 2: Elizabethtown & Karner, N.Y. [includes 11 slides of dissected parts].
 [*Aedes trichurus* (Dyar)]
- Culex fitchii* Felt & Young, 1904, Science 20:312.
 Lectotype: Karner, N.Y. 16 May 04 skin no. 38, al042 (slide).
 Paralectotypes, 8: N.Y.
 [*Aedes fitchii* (Felt & Young)]
- Worcesteria grata* Banks, 1906, Philipp. Jour. Sci. 1:780.
 Paratype, 1: Mailum, Negros Occ., P.I. coll. by Banks. 1) ♀ head & genitalia, acc. 6071 cotype. 2) ♀ body, acc. 6071 cotype. 3) ♀ wing, acc. 6071 cotype [one specimen on three slides - according to original description, type of ♂ and ♀ in Manila, P.I.].
 [*Toxorynchites amboinensis* (Doleschall)]
- Culex lazarensis* Felt & Young, 1904, Science 20:312.
 Syntypes, 2: 1) Elizabetht., N.Y. Je 11, 1904, N.Y.S. Coll. ♀/ *Culex lazarensis* F & Y cotype. 2) [same data] June 1904/ skin no. 64.
 [*Aedes communis* (DeGeer)]

- Culex magnipennis* Felt, 1904, N.Y.S. Mus. Bull. 79:322.
 Syntypes, 3: 1) Sodus Point, N.Y. Aug. 29, 1904 ♀. 2,3) Sodus Point N.Y. Aug. 31, 1904 ♀ (one with no wings labeled by Felt "magnipennis") [plus ten slides of larval and adult parts].
 [Culiseta inornata (Williston)]
- Myzomyia mangyana* Banks, 1906, Philipp. Jour. Sci. 1:991.
 Syntype, 1: Baco River, Mindora, P.I. coll. R. C. McGregor 1) ♀ head & genitalia, acc. 3290. 2) ♀ body, acc. 3290. 3) ♀ wing, acc. 3290 [one specimen on three slides].
 [Anopheles mangyanus (Banks)]
- Culex onandagensis* Felt, 1904, N.Y.S. Mus. Bull. 79:304.
 Holotype: Syracuse, N.Y. 19 Sept. 1904/ wing in balsam/ *Culex onandagensis* Felt type [includes following two slides]: 1) *Culex onandagensis* Syracuse, N.Y. 19 Sept. '04 Holotype wing in Bal. 21 Sept. '04. 2) *Culex onandagensis* Syracuse, N.Y. Holotype legs in Bal. Sept. 22 04.
 [Aedes dorsalis (Meigen)]
- Culex particeps* Adams, 1903, Kans. Univ. Sci. Bull. 2:26.
 Lectoparatypes, 2: Ariz.
 [Culiseta particeps (Adams)]
- Culex pretans* Grossbeck, 1904, Ent. News 15:332.
 Syntypes, 2: Chester, N.Y. IX-16/ cotype/ N.Y.S. Coll./ *Culex pretans* Grossbeck = sticticus. 2) Gt. Piece Mdw., N.Y. viii-22/ cotype/ N.Y.S. Coll.
 [Aedes sticticus (Meigen)]
- Culicada subcantans* Felt, 1905, N.Y.S. Mus. Bull. 97:474.
 Syntypes, 4: 1) C. cantans 8/ Karner, N.Y. May 2, 1905 N.Y.S. Coll. 2) Karner, N.Y. May 6, 1905 N.Y.S. Coll. 3) [same data] May 10, 1905. 4) [same data] May 11, 1905 [also 30 slides of larval and adult parts].
 [Aedes stimulans (Walker)]

DIXIDAE

- Dixa johannsoni* Garrett, 1924, New Amer. Dixidae, Cranbrook, B.C. p. 7.
 Paratypes, 4: B.C.
- Dixa serrata* Garrett, 1924, New Amer. Dixidae, Cranbrook, B.C. p. 2.
 Paratypes, 2: B.C.
- Dixa spiralis* Garrett, 1924, New Amer. Dixidae, Cranbrook, B.C. p. 1.
 Syntypes, 6: 1) Cranbrook, B.C. 8-VII, *Dixa spiralis* Garr. ♀, of type series C. B. D. Garrett. 2,3) Wasa, B.C. 23-X-23/ C. Garrett Collector/ *Dixa spiralis* Garr. ♂ of type series. 4,5) [same data] 21-X-23. 6) [same data] 22-X-23.
 [Dixa somnolenta Dyar & Shannon]

DOLICHOPODIDAE

- Medeterus crassivenus* Curran, 1928, N.Y.S. Mus. Bull. 274:199.
 Holotype: Nassau, N.Y. May 10, 1911/ N.Y.S. Coll./ *Medeterus crassivenus* Curran ♂ holotype.
 Allotype: Cooperstown, N.Y. 23 Aug 1911 ♀ allotype [original description gives Aug 4, 1911].
 Paratype, 1: N.Y.

[*Medetera crassivenus* (Curran)]

Argyra currani Van Duzee, 1925, U.S. Natl. Mus. Proc. 66(23):24.

Paratypes, 2: Que.

Diaphorus cylindricus Van Duzee, 1924, Can. Ent. 56:248.

Paratypes, 4: Que.

[*Nematoproctus cylindricus* (Van Duzee)]

Medeterus furcatus Curran, 1928, N.Y.S. Mus. Bull. 274:200.

Holotype: Nassau, N.Y. 15 Apr, 1911 N.Y.S. Coll./ *Medeterus furcatus* Curran Type.

Allotype: Nassau, N.Y. 24 Apr, 1911 N.Y.S. Coll./ *Medeterus furcatus* Curran Allotype.

[*Medetera furcata* Curran]

Chrysotus hirtipes Van Duzee, 1924, Buff. Soc. Nat. Sci. Bull. 13(3):22.

Paratype, 1: Alta.

Dolichopus marginatus Aldrich, 1893, Kans. Univ. Quart. 2:17.

Syntypes, 2: 1,2) Williston, Conn. N.Y.S. Coll./ *Dolichopus marginatus* Aldrich Type.

Argyra setipes Van Duzee, 1925, U.S. Natl. Mus. Proc. 66(23):31.

Paratypes, 2: Ont.

Medeterus simplicipes Curran, 1928, N.Y.S. Mus. Bull. 274:202.

Holotype: Nassau, N.Y. 29 Apr 1911 N.Y.S. Coll./ *Medeterus simplicipes* Curran Type.

Argyra thoracica Van Duzee, 1925, U.S. Natl. Mus. Proc. 66(23):23.

Paratype, 1: N.Y.

Chrysotus tibialis Van Duzee, 1924, Buff. Soc. Nat. Sci. Bull. 13(3):16.

Paratype, 1: N.Y.

Medeterus venatus Curran, 1928, N.Y.S. Mus. Bull. 274:201.

Holotype: Nassau, N.Y. May 9, 1911 N.Y.S. Coll. ♂.

Allotype: [same data] ♀.

Paratype, 1: N.Y.

EMPIDIDAE

Roederoides juncta Coquillett, 1901, Orig. Descr. of New Diptera in Needham & Betten, Aquatic insects in the Adirondacks, N.Y.S. Mus. Bull. 47:585.

Holotype: Saranac Inn, N.Y. July 29, 1900 N.Y.S. Coll./ det. Coquillett/ *Roederoides juncta* Coq. cotype/ *Roederoides juncta* Coq. Genotype cotype.

PHORIDAE

Phora agarici Lintner, 1895, N.Y.S. Mus. Ann. Rpt. (1894), 48(1):399.

Syntypes, 13: 1) *Megaselia agarici* ♂/ Oct 9 1894 mushrooms/ ♂ cotype. 2) [same data] Oct 8 1894. 3) *Megaselia agarici* Oct 1894 ♂♀. 4) Glen Cove, LI Oct 1894 ♂♀. 5) [same data]. 6) *Phora agarici* Lintner from mushrooms Oct. 1894 Wm. Falconer Type E.P.F. Nov '95. 7) *Phora agarici* Lintner from mushrooms Oct 18, 1894 Wm. Falconer Type K.O.H. E.P.F. Dec 2, '95. 8) [same data] mounted Dec. 5, 1894. 9) [same data] mounted Dec 7, 1894. 10) [same data] mounted Nov '95. 11,12) [same data] mounted Dec. 6, 1894. 13) *Phora agarici* Lintn. Type mushrooms Wm. Falconer. [Syntypes 1-5 pinned, several specimens to a pin.

Syntypes 6-13 slide mounts, several to a slide].

[*Megaselia agarici* (Lintner)]

Phora albidihalteris Felt, 1898, A mushroom *Phora*, in Lintner, Rpt. Ins. N.Y. 12:228.

Syntypes, 4: 1-3) *Phora albidihalteris* Felt Type/ *Megaselia albidihalteris* ? cotype. 4) *Phora albidihalteris* Felt Type on mushrooms Middlesex Co., N.Y. From J. B. Smith Mounted Aug 5/96. E.P.F. (slide).

[*Megaselia nigra* (Meigen)]

SARCOPHAGIDAE

Eumacronychia decens Townsend, 1892, Trans. Amer. Ent. Soc. 19:99.

Syntypes, 2: 1) Cal./ 6-6 or 9-9/ Harrg./ N.Y.S. Coll./ Type/ *Hilarella decens* Towns. cotype. 2) Las Cruces, N.M. 6-2/ Type/ N.Y.S. Coll./ *Hilarella decens* Towns. cotype.

SCIARIDAE

Sciara agraria Felt, 1896, The fungus gnats, in Lintner, Rpt. Ins. N.Y. 12:225.

?Lectotype?: Albany, N.Y. June 6, 1896 N.Y.S. Coll./ Dr. Hailes mushroom cellar/ *Sciara agraria* Felt type/ *Sciara agraria* Felt/ Lectotype *Sciara* ♂ *agraria* Felt.

Lectoallotype: [same data] June 12, 1896.

Paratypes, 2: N.Y.

[*Lycoriella agraria* (Felt)]

Sciara caldaria Lintner, 1895, N.Y.S. Mus. Ann. Rpt. 48(1):398.

Syntypes, 3: 1) Boise, Idaho Nov. '95/ *S. caldaria* Lint. TYPE/ *Sciara caldaria* Lintner. 2,3) *Sciara caldaria* Lintner Cotype.

[*Bradysia caldaria* (Lintner)]

Sciara coprophila Lintner, 1895, N.Y.S. Mus. Ann. Rpt. 48(1):394.

Paratypes, 8: N.Y.

[*Bradysia coprophila* (Lintner)]

Sciara fulvicauda Felt, 1898, The fungus gnats, in Lintner, Rpt. Ins. N.Y. 12:227.

Syntypes, 4: 1,2) *Sciara fulvicauda* Felt Type/ ♂ cotype. 3) [same data] on blackberry in Atlantic Co. 4) *Sciara fulvicauda* Felt Type/ *Sciara fulvicauda* ♂ cotype/ Southern N.J./ Bred from decaying blackberry roots.

[*Bradysia fulvicauda* (Felt)]

Sciara multiseta Felt, 1898, The fungus gnats, in Lintner, Rpt. Ins. N.Y. 12:223.

?Lectotype?: *Sciara multiseta* Felt Type/ on mushrooms Middlesex Co./ Lectotype.

Paralectotypes, 2: Middlesex Co. [New Jersey].

[*Lycoriella multiseta* (Felt)]

Sciara pauciseta Felt, 1898, The fungus gnats, in Lintner, Rpt. Ins. N.Y. 12:224.

?Lectotype?: N. Brunsw NJ/ *Sciara pauciseta* Felt Type/ Bred from decaying potatoes JBS/ Lectotype.

Lectoallotype: [same data].

Paralectotypes, 3: N.J.

[*Lycoriella pauciseta* (Felt)]

Sciara prolifica Felt, 1898, The fungus gnats, in Lintner, Rpt. Ins. N.Y. 12:226.

?Lectotype?: Berlin, Mass. Mar 22/97 J. A. Otherein/ *Sciara prolifica* Felt ? lectotype.

Paralectotypes, 12: Mass.

[*Bradysia prolifica* (Felt)]

SIMULIIDAE

Cnephia (Ectemnia) loisae Stone & Jamnback, 1955, N.Y.S. Mus. Bull. 349:35.

Paratypes, 2: N.Y. [two slide mounts with two pinned specimens, corresponding].

[*Cnephia invenusta* (Walker)]

Prosimulium rhizophorum Stone & Jamnback, 1955, N.Y.S. Mus. Bull. 349:28.

Paratypes, 3: N.Y. [two slides, two pinned - one slide is of pupal case corresponding to pinned specimen].

STRATIOMYIDAE

Zabrachia polita Coquillett, 1901, Orig. Descr. of New Diptera, in Needham & Betten, Aquatic Insects in the Adirondacks, N.Y.S. Mus. Bull. 47:585.

Syntype, 1: Saranac Inn, N.Y. Aug 8, 1900 N.Y.S. Coll./ *Zabrachia polita* Coq. Genotype Cotype.

SYRPHIDAE

Syrphus montivagus Snow, 1895, Kans. Univ. Quart. 3:236.

Syntypes, 4: Estes Park Aug. '92 F. H. Snow/ *Syrphus montivagus* Snow Cotype/ Type.

[*Metasyrphus montivagus* (Snow)]

TACHINIDAE

Peleteria confusa Curran, 1925, Roy. Soc. Can. Proc. & Trans., ser. 3, 19:253.

Paratypes, 8: N.Y.

Rhynchodexia confusa West, 1924, Psyche 31:185.

Paratypes, 6: N.Y.

[*Ptilodexia confusa* (West)]

Drepanoglossa lucens Townsend, 1891, Trans. Amer. Ent. Soc. 18:378.

Syntypes, 2: Las Cruces 6.30 N.M./ Type/ 1902 N.Y.S. Coll./ *Epigrimyia lucens* Towns. Cotype.

Cnephalia pansa Snow, 1895, Kans. Univ. Quart. 3:182.

Syntypes, 2: 1,2) Las Cruces 6.10 N.M./ Type/ *Cnephalia pansa* Snow/ *Spallanzania (Cnephalia) pansa* Snow Cotype.

[*Spallanzania hebes* (Fallén)]

TIPULIDAE

Tipula flavibasis Alexander, 1918, Can. Ent. 50:414.

- Paratypes, 2: Kans.
Tipula helderbergensis Alexander, 1918, Can. Ent. 50:64.
 Paratype, 1: N.Y.
Dicranoptycha minima Alexander, 1919, Ent. News 30:21.
 Paratype, 1: Kans.
Erioptera needhami Alexander, 1918, Can. Ent. 50:383.
 Paratype, 1: N.Y.
Dicranoptycha tigrina Alexander, 1919, Ent. News 30:21.
 Paratype, 1: Kans.

ARANEIDA

DIPLURIDAE

- Microhexura montivagus* Crosby & Bishop, 1925, Ent. News 36:145.
 Paratype, 1: N.C.

LEPTONETIDAE

- Leptoneta silvicultrix* Crosby & Bishop, 1925, Ent. News 36:143.
 Paratypes, 3: N.C.

PHALANGIIDAE

- Odiellus nubivagus* Crosby & Bishop, 1924, Jour. Elisha Mitch. Sci. Soc. 40:21.
 Paratypes, 9: N.C.

PISAURIDAE

- Dolomedes okefinokensis* Bishop, 1924, N.Y.S. Mus. Bull. 252:38.
 Holotype: Okefinokee Swamp, Ga. June 1912 Holotype (in alcohol).
 Allotype: Type of ♂ Allotype. ♂ (in alcohol).
 Paratypes, 2: Ga. (in alcohol).
Thaumasius peregrinus Bishop, 1924, N.Y.S. Mus. Bull. 252:62.
 Holotype: Hot Springs, Ark. June 27, 1901 ♀.
 Paratype, 1: Ark.

NEMASTOMATIDAE

- Nemostoma kapharti* Crosby & Bishop, 1924, Jour. Elisha Mitch. Sci. Soc. 40:24.
 Paratypes, 7: N.C.

ACARINA

ACARIDAE

- Kuzinia affinis* Delfinado & Baker, 1976, Jour. N.Y. Ent. Soc. 84(2):77.
 Holotype: Hypopial nymph, Lakeville, N.Y., August 10, 1927, taken on *Bombus perplexus* Cresson by M. D. Delfinado.

- Paratypes, 10: N.Y.
Kuzinia americana Delfinado & Baker, 1976, Jour. N.Y. Ent. Soc. 84(2):78.
Holotype: Hypopial nymph, Karner, N.Y., June 1928, taken on *Psithyrus laboriosus* (Fab.) by M. D. Delfinado.
Paratypes, 10: N.Y.

ASCIDAE

- Cheiroseius hurlbutti* Baker, Delfinado & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84(1):59.
Holotype: ♀ (unique) Farmingdale, L.I., N.Y. June 30, 1973, coll. M. Delfinado & M. Abbatiello. Taken in bird's nest.
Lasioseius tridentatus Baker, Delfinado & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84(1):61.
Holotype: ♀ Farmingdale, L.I., N.Y., July 7, 1973, Coll. M. Delfinado & M. Abbatiello, coll. in a bird's nest.
Paratype, 1: [same data].

CHEYLETIDAE

- Hemicheyletia newyorkensis* Delfinado & Khaing-Fields, 1976, Jour. N.Y. Ent. Soc. 84(3):192.
Holotype: ♂, unique, Flanders, L.I., N.Y., from leaf litter near base of tree, M. Delfinado coll., July 16, 1973.
Eucheyletia nidicola Delfinado & Khaing-Fields, 1976, Jour. N.Y. Ent. Soc. 84(3):193.
Holotype: ♂ (unique), Newcomb, Adirondack Mts., N.Y., August 8, 1973, M. Delfinado Coll., collected from unidentified mammal nest.

DERMANYSSIDAE

- Pellonyssus nidicolus* Baker, Delfinado & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84(1):56.
Holotype: ♀ (unique), Farmingdale, L.I., N.Y., June 30, 1973, coll. M. Delfinado & M. Abbatiello, in bird's nest.

MACROCHELIDAE

- Macrocheles disjunctus* Delfinado & Baker, 1975, Jour. N.Y. Ent. Soc. 83(1):55.
Holotype: ♀, Duncan Falls, Ohio, June 18, 1916, P. Lowry, coll., taken on venter of *P. disjunctus*.
Macrocheles whartoni Delfinado & Baker, 1975, Jour. N.Y. Ent. Soc. 83(1):55.
Holotype: ♀, Athens, Georgia, August 10, 1965, Y. T. Chiu, coll., on Passalid beetle.
Paratypes, 6: [same data].

PSEUDOCHEYLIDAE

- Anoplocheylus transiens* Delfinado & Baker, 1974, Jour. N.Y. Ent. Soc. 82(3):209.
Holotype: ♀(?), Rennselaerville, N.Y., October 1973 (no exact date),

M. Delfinado coll., from leaf litter.
Paratypes, 4: [same data].

SAPROGLYPHIDAE

- Sennertia americana* Delfinado & Baker, 1976, Jour. N.Y. Ent. Soc. 84(2): 84.
Holotype: Hypopial nymph, Albany, N.Y., June 6, 1901, taken on Carpenter Bee, *Xylocopa virginica* (L.) by M. D. Delfinado.
Paratypes, 10: N.Y.
- Sennertia ignota* Delfinado & Baker, 1976, Jour. N.Y. Ent. Soc. 84(2):87.
Paratypes, 5: Telara, Peru.
- Sennertia indica* Delfinado & Baker, 1976, Jour. N.Y. Ent. Soc. 84(2):87.
Paratype, 1: Hissar, India.
- Vidia (Euvidia) utahensis* Delfinado & Baker, 1976, Jour. N.Y. Ent. Soc. 84(2):81.
Paratypes, 5: Utah.

SCUTACARIDAE

- Imparipes (I.) adleri* Delfinado & Baker, 1976, Acarologia 18(2):283.
Paratypes, 8: Maryland.
- Scutacarus (Variatipes) affinis* Delfinado, Baker & Abbatiello, 1976, N.Y. Ent. Soc. 84:107-9.
Holotype: ♀, Albany Co., N.Y. (Airport), August 17, 1974, taken from litter in a wooded area near airport, M. Delfinado coll.
Paratype, 1: N.Y.
- Scutacarus (S.) communis* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:122-4.
Holotype: ♀, Ausable, Champlain Region, N.Y., September 14, 1973, from moss, M. Delfinado coll.
Paratypes, 5: N.Y.
- Scutacarus (V.) contiguus* Delfinado, Baker & Abbatiello, 1976, N.Y. Ent. Soc. 84:109-11.
Holotype: ♀, Albany Co. Airport, August 17, 1974, from wooded area on Shaker Road 1 mi. west of airport, M. Delfinado coll.
Paratype, 1: N.Y.
- Imparipes (Imparipes) cupes* Delfinado & Baker, 1978, Jour. N.Y. Ent. Soc. 86(2):92.
Paratypes, 2: N.Y.
- Scutacarus (S.) curtus* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:129.
Holotype: ♀, Mohawk River bank, Crescent, N.Y., October 4, 1973, from debris under rotting log, M. Delfinado coll.
Paratype, 1: N.Y.
- Scutacarus eichworti* Delfinado & Baker, 1976, Acarologia 18(2):298.
Holotype: ♀, wooded area 1/2 mile W. of Albany Co. airport, Colonie, N.Y., August 17, 1974, taken from leaf litter near bee nest by M. Delfinado.
Paratype, 1: N.Y.
- Scutacarus (S.) formosus* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:120.
Holotype: ♀, Rt. 9, New Baltimore, N.Y., July 16, 1974, from Pine

- debris, M. Delfinado coll.
- Paratype, 1: N.Y.
- Scutacarus (S.) grosi* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:126-8.
- Holotype: ♀, Heckscher Park, L.I., N.Y., June 15, 1973, from leaf litter, M. Delfinado coll.
- Paratypes, 4: N.Y.
- Scutacarus impar* Delfinado & Baker, 1976, Acarologia 18(2):288.
- Holotype: ♀, bog south of Chestertown, Warren Co., N.Y., July 22, 1974, taken from Sphagnum by M. Delfinado.
- Paratypes, 2: N.Y.
- Scutacarus (S.) unicus indefinitus* Delfinado & Baker, 1978, Jour. N.Y. Ent. Soc. 86(2):96.
- Holotype: ♀, Cambridge, N.Y., 21 April 1976, taken from bird's nest by M. D. Delfinado.
- Paratypes, 2: N.Y.
- Imparipes insulanus* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:138-40.
- Holotype: ♀, Colonie, 2 mi. W. of airport, Albany Co., N.Y., from leaf litter in wooded area, April 10, 1973, M. D. Delfinado coll.
- Paratype, 1: N.Y.
- Imparipes (I.) ithacensis* Delfinado & Baker, 1976, Acarologia 18(2):279.
- Paratypes, 2: N.Y.
- Scutacarus (V.) jacoti* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:112.
- Holotype: ♀, boggy thickets 5 mi. east of Taborton, Rensselaer Co., N.Y., August 5, 1974 M. D. Delfinado coll.
- Imparipes longitarsus* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:129-33.
- Holotype: ♀, Rt. 87, Lake Champlain, N.Y., August 15, 1973, from sphagnum moss, M. D. Delfinado coll.
- Paratype, 1: N.Y.
- Scutacarus (S.) meansi* Delfinado & Baker, 1978, Jour. N.Y. Ent. Soc. 86(2):94.
- Holotype: ♀, Cambridge, N.Y., 21 April, 1976, taken from bird's nest by M. D. Delfinado.
- Paratypes, 2: N.Y.
- Imparipes (I.) mexicanus* Delfinado & Baker, 1976, Acarologia 18(2):281.
- Paratypes, 2: Tlaxcala, Mexico.
- Scutacarus (S.) nearcticus* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:128.
- Holotype: ♀, Plattsburgh, Champlain region, N.Y., August 15, 1973, from humus, M. D. Delfinado, coll.
- Paratypes, 4: N.Y.
- Scutacarus (S.) notabilis* Delfinado, Baker & Abbatiello, Jour. N.Y. Ent. Soc. 84:124-6.
- Holotype: ♀, Ilion Gulf, stream bank, Herkimer Co., N.Y., Aug. 5, 1974, from moss, Drepanocladus sp., M. Delfinado, coll.
- Paratype, 1: N.Y.
- Imparipes parapicola* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:140-3.
- Holotype: ♀, Sunken Meadow State Park, Smithtown Bay, L.I., N.Y.,

- June 26, 1973, from tree hole, M. Delfinado & M. Abbatiello, coll.
- Paratypes, 4: N.Y.
- Scutacarus (S.) pectinatus* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:120-2.
- Holotype: ♀, near Flanders, L.I., N.Y., July 16, 1973, from litter, M. Delfinado & M. Abbatiello, coll.
- Paratypes, 7: N.Y.
- [*Scutacarus (S.) bakeri* Mahunka & Rack]
- Scutacarus (S.) pedestris* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:125.
- Holotype: ♀, Cooperstown, N.Y., August 26, 1973, from debris near base of tree, M. Delfinado, coll.
- Paratype, 1: N.Y.
- Imparipes similis* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:133.
- Holotype: ♀, unique, Crescent, Mohawk Valley, October 4, 1973, from rotten log near river, M. Delfinado, coll.
- [*Imparipes delfinadoi* Mahunka & Rack]
- Scutacarus (Variatipes) subaffinis* Delfinado & Baker, 1978, Jour. N.Y. Ent. Soc. 86(2):98.
- Holotype: ♀, Cambridge, N.Y., 21 April 1976, taken from bird nest, M. D. Delfinado, coll.
- Paratypes, 4: N.Y.
- Imparipes tarsalis* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:133-5.
- Holotype: ♀, unique, Sunken Meadow State Park, Smithtown Bay, L.I., N.Y., June 25, 1973, from tree hole debris, M. Delfinado & M. Abbatiello, coll.
- Scutacarus unicus* Delfinado & Baker, 1976, Acarologia 18(2):295.
- Holotype: ♀, wooded area 1/2 mile west of Albany Co. airport, Colonie, N.Y., August 7, 1974, taken from leaf litter near bee nest by M. D. Delfinado.
- Scutacarus (Variatipes) uniformis* Delfinado, Baker & Abbatiello, 1976, Jour. N.Y. Ent. Soc. 84:112-20.
- Holotype: ♀ (unique), Farmingdale, L.I., N.Y., June 30, 1973, from a bird's nest, M. Delfinado & M. Abbatiello, coll.
- Imparipes (I.) vulgaris* Delfinado & Baker, 1976, Acarologia 18(2):286.
- Paratypes, 10: Calif.

SPIRATYDEIDAE

- Scolotydeus simplex* Delfinado & Baker, 1974, Jour. N.Y. Ent. Soc. 82(3):207.
- Holotype: ♂, Hague, Lake George, Adirondack Park, N.Y., October 11, 1973, from pine debris, bark, and roots, M. Delfinado & E. Baker, coll.
- Paratype, 1: N.Y.

TARSOCHYLIDAE

- Hoplocheylus americanus* Delfinado & Baker, 1974, Jour. N.Y. Ent. Soc. 82(3):205.

- Holotype: ♀, Lake Champlain region, N.Y., October 15, 1973, from soil and pine debris, M. Delfinado & E. Baker, coll.
 Paratypes, 4: N.Y.
Hoplocheylus similis Delfinado & Baker, 1974, Jour. N.Y. Ent. Soc. 82 (3):203.
 Holotype: ♀, Sunken Meadow, North Shore, L.I., N.Y., June 26, 1973, from tree hole debris, M. Delfinado & M. Abbatiello, coll.
 Paratypes, 2: N.Y.

TARSONEMIDAE

- Tarsonemus acerbilis* Delfinado, 1978, Jour. N.Y. Ent. Soc. 86(2):66.
 Holotype: ♀, Schenectady, N.Y., July 7, 1976, in eriophyid galls on leaves of *Acer saccharinum* L., E. W. Baker & M. D. Delfinado, coll.
 Paratypes, 10: N.Y.
Tarsonemus ascitus Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):257.
 Holotype: ♀, Rt. 20 near Duanesburg, Schoharie Co., N.Y., August 21, 1974, taken from barn hay, M. D. Delfinado, coll.
 Paratypes, 7: N.Y.
Tarsonemus blakemorei Delfinado, 1978, Jour. N.Y. Ent. Soc. 86(2):71.
 Holotype: ♀, Middle Grove, Saratoga Co., N.Y., 29 October, 1976, taken from blackbird nest, E. Blakemore, coll.
 Paratypes, 10: N.Y.
Tarsonemus dubius Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):259.
 Paratypes, 4: N.Y.
Tarsonemus edwardi Delfinado, 1976, Jour. N.Y. Ent. Soc. 86(2):73.
 Holotype: ♀, Schenectady, N.Y., July 7, 1976, in eriophyid galls on leaves of *Acer saccharinum* L., E. W. Baker & M. D. Delfinado, coll.
 Paratypes, 10: N.Y.
Tarsonemus imitatus Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):265.
 Holotype: ♀, Sharon Springs, Rt. 20, N.Y., October 17, 1975, from bird nest, M. Delfinado, coll.
Tarsonemus insignis Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):266.
 Holotype: ♀, Farmingdale, L.I., N.Y., July 14, 1973, taken from bird nest, M. Delfinado & M. Abbatiello, coll.
 Paratypes, 3: N.Y.
Tarsonemus irregularis Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):267.
 Paratype, 1: N.Y.
Tarsonemus neotalpae Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):268.
 Holotype: ♀, Cranberry Lake, St. Lawrence Co., N.Y., August 1974, from owl pellets, J. R. Philips, coll.
 Paratypes, 4: N.Y.
Tarsonemus nidicolus Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):268.
 Holotype: ♀, Sharon Springs, Rt. 20, N.Y., October 17, 1975, M. Delfinado, coll.
 Paratypes, 10: N.Y.
Steneotarsonemus oconnori Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):256.
 Paratypes, 2: N.Y.
Tarsonemus praesignis Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):269.
 Holotype: ♀, Saratoga, N.Y., July 26, 1973, taken from flycatcher nest, M. D. Delfinado, coll.

- Paratype, 1: N.Y.
- Tarsonemus similis* Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):271.
 Holotype: ♀, Delmar, N.Y., April 13, 1973, taken from bird's nest,
 M. D. Delfinado, coll.
- Paratypes, 8: N.Y.
- Tarsonemus smileyi* Delfinado, 1976, Jour. N.Y. Ent. Soc. 84(4):270.
 Holotype: ♀, Farmingdale, L.I., N.Y., June 30, 1973, taken from
 bird's nest, M. Delfinado & M. Abbatiello, coll.
- Paratypes, 5: N.Y.
- Tarsonemus socius* Delfinado, 1978, Jour. N.Y. Ent. Soc. 86(2):78.
 Holotype: ♀, Beltsville, Maryland, June 1, 1976, from milled oats,
 E. W. Baker & M. D. Delfinado, coll.
- Paratypes, 2: Maryland.
- Tarsonemus vulgaris* Delfinado, 1978, Jour. N.Y. Ent. Soc. 86(2):79-81.
 Holotype: ♀, Shaker Road, Albany, N.Y., 27 May 1975, taken from
 Robin nest, E. Blakemore, coll.
- Paratypes, 6: N.Y.

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