LIST OF DIPTERA TAKEN IN THE VICINITY OF PHILADELPHIA FROM 1882 TO 1884, INCLUSIVE.

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The object of giving this list in its present imperfect form is to call the attention of our Entomologists to this greatly neglected order of insects, and as most of the families are still in an unworked condition, to call especial attention to them; of course, the named species represent only about one fourth of all the species taken by me during my three years collecting, and were mostly taken in Fairmount Park, and a few at Delanco, N. J.

If a few of our many Entomologists would turn their attention to the Diptera, they would be sure to find an interesting and very wide field, in fact there would be room enough for nearly a dozen systematic workers in this order.

At present the Diptera are receiving great attention from Dr. S. W. Williston, who has already greatly advanced the study of the order, and if we had a few more such workers, the Diptera would soon rise to as honorable a rank as is held by Coleoptera, etc.

Cecidomyiidae.

Took a few species, but none are determined.

Mycetophilidae.

Species undetermined.

Simulidae.

Simulium venustum (?) Say.

Bibionidae.

Bibio albipennis, Say.

Bibio articulatus, Say.

" *femoratus*, Wied.

Scatopse atrata, Say.

And several undetermined species.

Culicidae.

Culex ciliatus, Fabr.

Anopheles quadrimaculatus, Say.

" *taeniorhynchus*, Wied.

Several other species were taken, but are undetermined.

Chironomidae.

There are a large number of species of this family, but they are not worked up.

Psychodidæ.

Took six species of this family on the bark of trees last summer ; there are only two recorded in Osten Sacken's Catalogue.

Tipulidæ.

Geranomyia canadensis, Westw.	Bittacomorpha clavipes, Fabr.
" rostrata, Say.	Tipula abdominalis, Say.
Rhypholophus nubilus, O. S.	" bella, Loew.
Erioptera straminea, O. S.	" costalis, Say.
" venusta, O. S.	" cunctans, Say.
Chionea valga, Har.	" fasciata, Loew.
Symplecta punctipennis, Meig.	" fuliginosa, Say.
Epiphragma fascipennis, Say.	" hebes, Loew.
Limnophila montana, O. S.	" infuscata, Loew.
Eriocera fuliginosa, O. S.	" tricolor, Fabr.
" spinosa, O. S.	Pachyrhina collaris, Say.
Amalopsis inconstans, O. S.	

Besides the above there are quite a number of undetermined species.

Rhyphidæ.

Rhyphus alternatus, Say.	Rhyphus punctatus, Meig.

Stratiomyidæ.

Metoponia fuscitarsis, Say.	Sargus decorus, Say.
Beris viridis, Say.	" elegans, Loew.
Clitellaria subulata, Loew.	Chloromyia viridis, Say.
Stratiomyia marginalis, Loew.	Stratiomyia norma, Wied.

Also a number of undetermined species.

Tabanidæ.

Chrysops callidus, O. S.	Chrysops vittatus, Wied.
" celer, O. S.	Theriopectes lasiophthalmus, Macq.
" excitans, Walk.	Tabanus atratus, Fabr.
" flavidus, Wied.	" costalis, Wied.
" frigidus, O. S.	" lineola, Fabr.
" fugax, O. S.	" nigrovittatus, Macq.
" niger, Macq.	" stygius, Say.
" obsoletus, Wied.	" sulcifrons, Macq.
" plangens, Wied.	" trimaculatus, Palisot-Beau.
" univittatus, Macq.	

Leptide.

Chrysopila ornata, Say.	Chrysopila thoracica, Fabr.
" propinqua, Walk.	Leptis punctipennis, Say.
" quadrata, Say.	

Took quite a number of undetermined species of this family.

Asilide.

Leptogaster flavipes, Loew.	Laphria sericea, Say.
Stichopogon trifasciatus, Say.	Mallophora laphroides, Wied.
Holcocephala abdominalis, Say.	" orcina, Wied.
" calva, Loew.	Promachus Bastardii, Macq.
Deromyia discolor, Loew.	" quadratus, Wied.
" umbrinus, Loew.	Erax aestuans, Linn.
Atomosia glabrata, Say.	" Bastardi, Macq.
" puella, Wied.	" lateralis, Macq.
Cerotainia macrocera, Say.	" furax, Will.
Dasyllis flavicollis, Say.	Proctacanthus brevipennis, Wied.
" thoracica, Fabr.	" Philadelphicus, Macq.
" tergissa, Say.	Asilus Novæ Scotiæ, Macq.
Pogonosoma dorsata, Say.	" sericeus, Say.

Midaide.

Midas clavatus, Drury.

Bombylidae.

Exoprosopa fascipennis, Say.	Bombylius fraterilus, Wied.
Anthrax alternata, Say.	" pulchellus, Loew.
" fulvohirta, Wied.	" validus, Loew.
" lateralis, Say.	" varius, Fabr.
" sinuosa, Wied.	Sparnopolius fulvus, Wied.
Argyramoeba limatulus, Say.	Geron calvus, Loew.
" Oedipus, Fabr.	Systropus macer, Loew.
" Simson, Fabr.	

Therevidæ.

Have quite a number of species, but none are determined.

Scenopinidae.

Scenopinus fenestralis, Linn.

Empidæ.

Species of this family are quite plentiful around Philada., but I have none named.

Dolichopodidae.

A large number of species are found here of this large family; only a few of mine are determined.

- Dolichopus* batillifer, Loew.   *Scellus* exustus, Walk.
      "   bifractus, Loew.   *Psilopus* patibulatus, Say.
      "   eudactylus, Loew.   "   siphon, Say.
Diaphorus spectabilis, Loew.

Syrphidae.

(See Vol. xvi., No. 8, pp. 145-147.)

Conopidae.

- Conops* tibialis, Say.   *Stylogaster* neglecta, Will.
 Have quite a number of undetermined species.

Pipunculidae.

Took two or three species of this family, which are not as yet determined.

Tachinidae.

Took about 50 species of this large family, of which the following are determined:—

- Trichopoda* pennipes, Fabr.   *Hystericia* vivida, Harr.
Exorista flavicauda (?) Riley.   *Belvoisia* bifasciata, Fabr.

Of *Dexidae*, *Sarcophagidae*, *Muscidae*, *Anthomyidae*, I took a very large amount, but for the most part the species are unnamed.

Cordyluridae.

- Cordylura* bimaculata, Loew.   *Scatophaga* stercoraria, Linn.
      "   setosa, Loew.

Helomyzidae.

- Helomyza* quinquepunctata, Say.

Sciomyzidae.

- Tetanocera* arcuata, Loew.   *Tetanocera* saratogensis, Fitch.
      "   pictipes, Loew.   *Sepedon* armipes, Loew.
      "   plebeja, Loew.   "   fuscipennis, Loew.

Psilidae.

- Loxocera* cylindrica, Say.

Micropezidae.

- Calobata* antennipennis, Say.

Ortalidae.

- Pyrgota* undata, Wied.   *Callopietria* annulipes, Macq.
Rivellia viridulans, R. Desv.   *Seoptera* colon, Loew.

Camptoneura picta, Fabr.   Chætopsia aenea, Wied.
 Stictocephala vau, Say.

Trypetidæ.

Straussia longipennis, Wied.   Euaresta bella, Loew.
 Oedaspis polita, Loew.   "   festiva, Loew.
 Eurosta solidaginis, Fitch.

Lonchæidæ.

Palloptra superba, Loew.

Sapromyzidæ.

Sapromyza compedita, Loew.   Sapromyza philadelphica, Macq.

Diopsidæ.

Sphyracephala brevicornis, Say.

Ephydridæ.

Paralimna appendiculata, Loew.

Ochthera mantis, Deg.   Also several other species.

Ephydra atrovirens, Loew.

Oscinidæ.

A few species around decayed fruits.

NORTH AMERICAN PYRALIDÆ.

BY PROF. C. H. FERNALD, STATE COLLEGE, ORONO, ME.

Crambus zeellus, n. s.

Expanse of wings, from 18 to 24 m. m.

Palpi, head and thorax, pale leaden gray. The labial palpi extend forward as far as the length of the head and thorax. The maxillary palpi are as long as the head.

Fore wings dull leaden gray, mixed with ashy and whitish, especially on the outer part, and crossed beyond the middle by two angulated dull ochre yellow lines, overlaid more or less with dark brown. The first line crosses the end of the cell where it is angulated. The second crosses the wing about half way between this last and the end. The terminal line is dark brown, and a dark brownish cloud extends obliquely in from the apex to the second line, but does not reach the costa. A narrow ochre yellow line, somewhat curved, extends from the middle of the base of the wing to the second line near the anal angle, and a similar line, though less