

Family Entomophthorace.
112 - Entomophthora Muscae (Common house flies).

Madison, Wis., Nov. 20, 1882.

Dear Dr. Farlow:

This is the outline of a list with a few notes that I have promised to read at the December meeting of the Wisconsin Academy. I mailed you a Saturday specimens of nearly all that I have not already given you, not that I suppose you will care to examine them ^{now} at all, but that they may serve for fixing the locality sometime. I should, however, be very much obliged if you can help me with the underscored species, for though I feel confident as to some, others are entirely unknown to me. I have not been able to compare them with authentic specimens. I have arranged them in Saccaria's order, but in the published list should give only names of orders and families. The names used are those Winter uses in Rabenhorst, so far as that work is issued. If you see any desirable changes in synonymy will you please suggest them? The Peronospora or Helianthi and that on Silphium are ^{considerably} larger than my specimens on Ambrosia, but I suppose they go under Halstedii. I only know of one Peronospora on Cucurbitaceae (C. Culicis DC. from Cuba), but have no access to the Simoesan Journal where it is described, so do not know whether no. 7 belongs to that species or not. I don't see that Peck's P. simplex differs from the described Basidiophora Entospora, do you? The Hypomyces, no. 38, is apparently on a large Agaric. It is very common. Did you cultivate the fungus on Phellinus? What did you make of the white fruit fungus last winter? So is the same as you Mass. Ramularia, but I have no specific name. Do you separate Puccinia Kuhnii, P. Helianthi and P. Xanthii from P. confusarum & P. flocculosum? The Uredo no. 95 on raspberry ought to belong to Phrag. bulbosum, but I see no signs of teleutospores now, nor do I know that the teleutospores that should go with no. 102 have ever been found in this country, though everyone gives the acidium this name. No. 60 has the mycelium of my Wood's Hack Dily found on Aster paniculatus, but I found only conidia. If you can suggest any better arrangement for these imperfect forms I shall be greatly obliged. Myloides came Saturday, thanks. Will you at any expense? If so will you please send me a memorandum when you write. If you do not care for this list I should like it after you have looked the matter up, as it will save me labor in making out my ill. list.

Regards to Dr. May, Mr. Watson and Prof. Goodale. In haste, Yours very truly,
Wm. Trelease.

- 105- *Ustilago neglecta* Neesb. on *Petania glauca*.
 106- " *Sorghii* (Link.) ? (but with ^{rough} ~~smooth~~ spores) on *S. saccharatum*.
 107- " *Zea Mays* DC. on *Zea Mays*.
 108- " *Segetum* Pers. on *Sorba sativa* - La Corse.
 109- *Eurythoma* on *Thalictrum dioicum*.
 110- " on *Ambrosia artemisiifolia*.
 111- " on *Menispermum Canadense*.
 60 - *Inusidium* Imperfecti formis, on *Aster Novae Angliae*.

A-Septopuccinia.

65- P. Valentiniae Pers.

III on *Calium trifidum*.

[You remember I looked into it last year and it agrees better with P. Valentiniae than P. Valentiniae, except that I still have doubts.]

66- P. Circaeae Pers.

III on *C. Luteolana*.

67- P. Anemoneo-Virginianae Schw.

III on *A. Virginiana*.

C- Hemipuccinia.

68- (a) P. Sorghi Schw.

II + III on *Sorgho*.

68- (b) " " ? = P. purpurea Cke ?

on *Sorgho*.

69- " Polygoni-Amphibii Pers.

III on *P. Amphibium*.

E- Eupuccinia.

70- P. Menthae Pers.

II + III on { (a) *Pycnanthemum*!
(b) *Eleonora patulosa*.
(c) *Mentha canadensis*

71- " Gentianae (Harms)

III on *G. Andrewsii*.

72- " glaucosorum (A. & C.)

II + III on { (a) *Miscalinum Canadense*.
(b) *Thysanotus Divisifolius*.
(c) *Cirsium discoloratum*.
II on " *discolor*.

73- " Violae (Schum.)

I on *V. delphinifolia*,
II + III on *V. pubescens*
V. cucullata

74- " Graminis Pers.

I on *Berberis vulgaris*.
II + III on { *Artemisia Sativa*.
Sedum Cereale.

75- " Caricis Schum.

(a) *Artemisia Sativa*.

76- " Coronata Cke.

II + III on { *Dactylis glomerata*

Uncertain. (in which group do they go?)

77- " Pomorum Lk.

II + III on { *P. cerasina*
P. americana

78- " Anemone (Pers.)

on III *Thalictrum dioicum*

79- " Amorphae B. & C.

II + III on *A. Canadensis*.

80- " Rukinae Schw.

III on *Rukina hypoleucoides*.

81- " aculeata Schw.

II on *Podophyllum peltatum*.

82- " Helianthi Schw.

II + III on { (a) *H. grossi-serotinus*.
(b) " *annuus*.
(c) " *virginicus*.

83- " Myrsini Schw.

III on *Samolus virginicus*.

84- " Xanthii Schw.

III on *X. stramonium*.

85- Phragmidium mucronatum Lk.

II + III on { (a) *Rosa lucida*.
(b) *cultivata rose*.

86- " speciosum Lk.

III on petiole & stem of *Rosa lucida*.

List of Microscopical Parasitic Fungi.

Mr. Pease, Nov. 15, 1885.

Class I - Zygomycetes.

Order Zygomycetes.

Family Ophioglossaceae.

1- *Synthyrium fulgens*, on *Cypripedium*, Tulor. on *Amphicarpia*.

1 1/2- " *Anemone* (D.C.) on *A. nemorosa*.

Class II - Peronosporaceae.

2- *Pythium candidum* W. on { *Populus balsamifera*,
Sium olusatrum officinale.

3- " *cubensis* Lk. on *Ambrosia artemisiifolia*.

4- " *Bliti* Biv. on *Ananas sativus*.

5- " *Portulacae* Desf. on *P. oleracea*.

6- *Peronospora Halstedii* Tulor. on { (a) *Bidens frondosa*.
(b) *Helianthus annuus*.
(c) *Silphium laciniatum*.

7- " on *Peyos angulata*.

8- " *Erysa* Lk. on *Chenopodium album*.

9- " *alta* Fock. on *Plantago major*.

10- " *parastica* Pers. on { *Epilobium virginicum*.
Asclepias tuberosa.

11- " *infestans* Mont. on *Solanum tuberosum*.

12- " *gaultheriae* Berk. on { *Lactuca canadensis*.
Sativa x

13- " *Sericii* Pk. on *L. maculatum*.

14- " *Entospora* (H. & C.) on *Aster Novae-Angliae*.

15- " *viticola* B. & C. on { *Vitis cordifolia*.
cultivata grape x

Class III - Carposporaceae.

Order Ascomycetes.

Suborder Perisporiaceae.

16- *Micromela adumata* Lk. on { *Populus balsamifera* x
Fraxinoides
grandidentata (b) x
Salix sp.

17- " *ampelopsidis* Pk. on *Ampelopsis*.

18- " *spinalis* B. & C. on *cultivata grape*.

19- *Microspora Euphorbiae* B. & C. on *E. corollata*.

20- " *triseii* on *Syringae* (b) x on *S. vulgaris*.



Trelease, William. 1882. "List of Wisconsin Parasitic Fungi." *William Gilson Farlow miscellaneous specimen lists : collectors T-Z*

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