

## DRAGONFLIES TAKEN IN A WEEK.

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During the week beginning June 17th, we collected insects and fishes in the region of small lakes near Kent, Ohio. A list of the Odonata taken during that week is interesting, as it shows the richness of the Odonat fauna of north-eastern Ohio and also the number of species of this group that may fly in a certain locality at the same time.

1. *Calopteryx maculata*, Beauv.
2. *Colopteryx æquabilis*, Say.
3. *Hetærina americana*, Fabr.

4. *Lestes uncatus*, Kirby.
5. *Lestes rectangularis*, Say.
6. *Lestes vigilax*, Hagen.
7. *Lestes inequalis*, Walsh.
8. *Argia putrida*, Hagen.
9. *Argia violacea*, Hagen.
10. *Argia tibialis*, Rambur.
11. *Argia apicalis*, Say.
12. *Erythromma conditum*, Hagen.
13. *Nehalennia posita*, Hagen.
14. *Nehalennia irene*, Hagen.
15. *Amphiagrion saucium*, Burm.
16. *Enallagma traviatum*, Selys.
17. *Enallagma civile*, Hagen.
18. *Enallagma carunculatum*, Morse.
19. *Enallagma hageni*, Walsh.
20. *Enallagma geminatum*, Kel.
21. *Enallagma exsulans*, Hagen.
22. *Enallagma antennatum*, Say.
23. *Enallagma signatum*, Hagen.
24. *Enallagma pollutum*, Hagen.
25. *Isechnura verticalis*, Say.
26. *Ophiogomphus rupinsulensis*, Walsh.
27. *Gomphus dilatatus*, Rambur.
28. *Gomphus quadricolor*, Walsh.
29. *Gomphus fraternus*, Say.
30. *Gomphus furcifer*, Hagen.
31. *Gomphus spicatus*, Selys.
32. *Gomphus sordidus*, Selys.
33. *Gomphus exilis*, Selys.
34. *Dromogomphus spinosus*, Selys.
35. *Anax junius*, Drury.
36. *Basiæschna janata*, Say.
37. *Epiæschna heros*, Fab.
38. *Æschna verticalis*, Hagen.
39. *Nasiæschna pentacantha*, Rambur.
40. *Macromia illinoiensis*, Walsh.
41. *Epicordulia princeps*, Hagen.
42. *Tetragoneuria cynosura*, Say.
43. *Tetragoneuria semiaqua*, Burm.
44. *Tramea lacerata*, Hagen.
45. *Libellula basalis*, Say.
46. *Libellula pulchella*, Drury.
47. *Libellula semifasciata*, Burm.
48. *Libellula exusta*, Say.
49. *Libellula incesta*, Hagen.

50. *Plathemis trimaculata*, DeGeer.
51. *Celithemis eponina*, Drury.
52. *Celithemis elisa*, Hagen.
53. *Celithemis fasciata* Kirby.
54. *Leucorhinia intacta*, Hagen.
55. *Sympetrum rubicundulum*, Say.
56. *Perithemis domitia*, Drury.
57. *Mesothemis simplicicollis*, Say.
58. *Pachydiplax longipennis*, Burm.

Number 2 was taken for the second time in the State. The species was common along the Cuyahoga River, where both males and females were found resting on foliage near the water's edge or flitting nervously from one resting place to another.

Number 27 is one of our rarer Gomphids. Only one specimen of the species was taken.

Both male and female of 30 were taken. This is the first time the female of this species has been taken in Ohio.

Number 39 was taken for the first time in Ohio. Three pairs of this fine species were taken.

Two years ago I took males of number 48 at Stewart's Lake. The species has not been taken in the State since until this year when we took both males and females at the same lake.

Number 53 has been considered a very desirable species, but it seems that it is a common form in the lake region near Kent. About thirty specimens were procured.

#### ADDITIONS TO THE OHIO FLORA.

The Fourth State Catalogue of Ohio Plants published in April, 1899, by Kellerman, contained 2025 species of Cormophytes. In the first Annual Supplement, published April, 1900, 69 additions were made. The following 22 additional species therefore bring the total to 2116 plants growing without cultivation in the state. The numbers correspond to the Fourth State Catalogue so that those who desire can easily copy the additions and bring their catalogue up to date.

212a *Bouteloua hirsuta* Lag. Hairy Mesquite-grass. Ohio State University Campus, Columbus. F. J. Tyler.

212b *Bouteloua oligostachya* (Nutt.) Torr. Mesquite-grass. Ohio State University Campus, Columbus. Alice Dufour.

258a *Bromus asper* Murr. Hairy Brome-grass (London, Mrs. K. D. Sharp, Coll., E. Monroe, Highland Co., W. A. Kellerman, Coll.) Alice Dufour.

265b *Bromus breviaristatus* (Hook.) Buckl. Short-awned Chess. Ashtabula, (W. A. Kellerman, Coll.) Alice Dufour.

472a *Wolffia braziliensis* Wedd. Brazil Wolffia. Sandusky Bay. Abundant at times. R. F. Griggs.

- 538a *Convallaria majalis* L. Lily of the Valley. Abundantly escaped in Cemetery, Worthington. R. F. Griggs.
- 619a *Salix nigra* x *amygdaloides*. A. D. Selby, 8th Report Academy of Science, p. 22, and others.
- 629 *Change S. fluviatilis* Nutt. to *S. interior* Rowlee. Rowlee in Bull. Torr. Bot. Club. 27: 247, 1900.
- 629a *Salix interior* var. *wheeleri* Rowlee. Cedar Point, W. A. Kellerman and R. F. Grigs.
- 636a *Salix sericea* x *cordata*. Ashtabula. (W. A. Kellerman Coll.) R. F. Griggs.
- 637a *Salix peliolaris* var. *graciles*. Toledo. (J. A. Sanford, Coll. 1879,) R. F. Griggs.
- 638a *Salix candida* x *cordata*. Castalia, Erie County. R. F. Griggs.
- 864a *Berberis aquifolium*. Pursh. (*Mahonia aquifolium* Nutt.) Seeding in Cemetery, Worthington. R. F. Griggs.
- 898b *Diplotaxus muralis* (L.) DC. *Diplotaxus*. Cleveland, Ohio. Wm. Krebs.
- 963 *Philadelphus inodorus* L. Mt. Pleasant, Jefferson County. W. A. Kellerman.
- 1039a *Cratægus cordata* (Mill.) Ait. Washington Thorn. Steubenville, Ohio. H. N. Mertz.
- 1045a *Cratægus multipes* n. sp. (W. W. Ashe in Bulletin 175 N. C. Experiment Station, August, 1900.) Ohio, E. E. Bogue, Coll.
- 1132a *Dolichos lablab* L. Hyacinth Bean. Escaped from cultivation in several places in Columbus. Found growing on vacant lots, surrounded by large weeds. John H. Schaffner.
- 1188a *Rhus cotinus* L. Escaped, Mt. Pleasant, Jefferson County. W. A. Kellerman.
- 1219a *Ampelopsis cordata* Michx. Scioto County. Previously reported for Ohio. W. A. Kellerman.
- 1255 *Lechea minor* L. Steubenville, Ohio. H. N. Mertz.
- 1487a *Gilia coronopifolia* Pers. Growing in a cemetery near Madison, Lake County. Spreading slowly. F. J. Tyler.
- 1729 *Euphorbia lathyris* L. Pomeroy, Meigs County. W. A. Kellerman.
- 1919a *Polymnia canadensis* var. *radiata* Gray. Cedar Point. Very abundant. R. F. Griggs.
- 1943a *Helianthus maximiliani* Schrad. Sandusky. A single plant along railroad tracks. R. F. Griggs.

#### COLLECTING AND PRESERVING MICROSCOPIC PLANTS.

Small plants like Desmids, Diatoms, etc., may be preserved in water, in homeopathic vials, provided a drop of carbolic acid is added to each bottle of material. In this way they will keep for a long time with very little change of color and contents.

J. H. S.