

AN ANNOTATED LIST OF THE DRAGONFLIES (ODONATA) OF OHIO

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This list is based on the collections made or examined by the writer during the last several years, and on the records in the literature. The list is doubtless incomplete, as there are some sections of the state that are as yet not adequately worked, but it was thought advisable to publish a preliminary list at this time since no such list has been published in the last 38 years.

The recorded distribution of each species in the state is given by counties. In counties where the writer has not collected the species recorded, the name of the collector is indicated by initials in parentheses following the county record. Records in the literature for counties in which the writer has not collected are similarly indicated. When the collector's initials are followed by an asterisk, specimens are in the writer's collection; otherwise the specimens are in the collection of the collector, or in a collection indicated by initials. When a county record is based on observation only (no specimens) the county name is written in *italics*. The dates following the list of counties are the earliest and latest dates of observation or capture of the species in Ohio.

The following abbreviations are used for collectors and collections:

AW—Alfred Wolf	EPB—E. P. Breakey
BB—V. L. and M. J. Bristow	EPF—E. P. Fuchs
BEM—B. Elwood Montgomery	EST—Edward S. Thomas
BPR—Ben P. Ramsey	FLJ—F. L. Jeffries
CFW—Charles F. Walker	GG—Gene Good
CHK—Clarence H. Kennedy	GH—Gerald Huffman
CU—Clem Uller	GRO—George R. Owen
DJ—Dale W. Jenkins	HAW—Harold A. Waters
DM—W. Donald Murray	HK—R. Henry Kyle
DS—Dale Snavelly	JAS—James A. Strasburg
EB—Emerson Ball	JB—Joe Bailey
EBW—E. B. Williamson	JGH—James G. Haub
EMS—Earl M. Sprunger	JS—John Stanley

JSH—James S. Hine	OSU—Collection of Dept. Zoology and Entomology, Ohio State University
JST—John S. Thomas	RCO—Raymond C. Osburn
LB—Lawrence Beery, Jr.	REK—R. E. Kunze
LBa—Lorain Basinger	RG—Robert Goslin
LOC—L. O. Clevenger	RTE—Ray T. Everly
LYL—L. Y. Lancaster	SL—Simon Levine
MBT—Milton B. Trautman	UM—Collection of Museum of Zoology, Univ. of Michigan
MDN—Mary D. Neiswander	WED—Weldon E. Diller
MDR—Mary D. Rogick	WFH—W. F. Henninger
MEC—Meril E. Crago	WRP—William R. Piper
NJG—N. J. Geiler	
OSM—Ohio State (Natural His- tory) Museum	

LIST OF SPECIES

Family AESCHNIDAE

1. *Tachopteryx thoreyi* Hagen.
Champaign, Fairfield (JSH, OSM), Guernsey (HAW*), Hocking,
Summit (JSH, OSU). May 12 to Aug. 11.
2. *Negomphoides obscura* Rambur.¹
Gallia, Lawrence (OSU). May 30 to June 23.
3. *Hagenius brevistylus* Selys.
Ashland (OSU), Delaware, Franklin, Holmes (EST, OSM). June 3
to Aug. 4.
4. *Ophiogomphus rupinsulensis* Walsh.
Franklin, Holmes (CFW, OSM), Portage (Osburn and Hine, 1900).
May 17 to July 22.
5. *Erpetogomphus designatus* Hagen.
Hamilton (Hine, 1913). July 26.
6. *Gomphus (Gomphurus) abbreviatus* Hagen.
Ashland (Hine, 1900 and 1913). June 10 to June 23.
7. *Gomphus (Stylurus) amnicola* Walsh.
Hamilton (Hine, 1913). May 5 to July 25.
8. *Gomphus (Gomphurus) crassus* Hagen.
Delaware, Franklin. May 23 to June 13.
9. *Gomphus (Gomphurus) exilis* Selys.
Erie (Hine, 1901), Franklin (Kellicott, 1899), Logan, Portage
(EST*), Summit (JSH, OSM), Vinton. May 9 to July 19.
10. *Gomphus (Gomphurus) fraternus* Say.
Coshocton, Erie (BEM*), Franklin, Gallia, Logan (JSH, OSM),
Ottawa (BEM), Portage (Osburn and Hine, 1900), Ross, Vinton
(OSU). May 28 to July 8.

¹This species is placed in the genus *Negomphoides* on the authority of Cowley (1934, p. 244).

11. *Gomphus (Arigomphus) furcifer* Hagen.
Erie (OSU), Fairfield (Kellicott, 1899), Portage (Kellicott, 1899).
June 14 to July 2.
12. *Gomphus (Gomphus) grasilinellus* Walsh.
Auglaize, Delaware, Franklin, Greene (HK*), Hocking, Jackson,
Licking, Logan, Union, Van Wert (GG). May 21 to July 1.
13. *Gomphus (Gomphurus) lineatifrons* Calvert.
Ashland (OSU), Franklin, Portage (Osburn and Hine, 1900, as
Gomphus dilatatus Rambur). May 24 to June 14.
14. *Gomphus (Gomphus) lividus* Selys.
Auglaize (JAS), Erie (BEM), Fairfield, Gallia, Geauga (MEC*),
Greene, Hocking (CFW, OSM), Holmes (JSH, OSM), Knox (EBW,
UM), Lawrence (OSU), Licking, Monroe (CFW, OSM), Portage (Osburn
and Hine, 1900), Sandusky (BEM). May 11 to July 14.
15. *Gomphus (Stylurus) notatus* Rambur.
Lawrence (OSU). May 30.
16. *Gomphus (Stylurus) plagiatus* Selys.
Erie (EBW, UM), Fulton (Kellicott, 1899), Ottawa (Kennedy,
1922). June 20 to July 1.
17. *Gomphus (Gomphus) quadricolor* Walsh.
Coshocton, Franklin (OSU), Portage (Osburn and Hine, 1900),
Tuscarawas. May 30 to June 13.
18. *Gomphus (Gomphus) spicatus* Hagen.
Erie (OSU), Logan, Portage (Osburn and Hine, 1900). May 7 to
June 11.
19. *Gomphus (Stylurus) spiniceps* Walsh.
Fairfield (Kellicott, 1899), Ottawa (BEM), Summit (OSU). June 27
to Sept. 26.
20. *Gomphus (Gomphurus) vastus* Walsh.
Coshocton, Erie (OSU), Franklin (OSU), Ottawa (BEM*), Seneca
(DS). May 30 to Sept. 15.
21. *Gomphus (Gomphurus) ventricosus* Walsh.
Coshocton, Franklin. May 23 to May 30.
22. *Gomphus (Arigomphus) villosipes* Selys.
Franklin (OSU), Geauga (MEC*), Knox (GRO*), Perry (JSH,
OSM), Sandusky, Summit (JSH, OSU). May 10 to June 17.
23. *Gomphus (Gomphurus) viridifrons* Hine.
Ashland (JSH, OSU—type), Coshocton (JSH*), Logan (JSH,
OSM). June 10 to June 14.
24. *Dromogomphus spinosus* Selys.
Coshocton, Crawford (OSU), Erie (Hine, 1901), Franklin, Portage
(Osburn and Hine, 1900). May 30 to June 28.
25. *Dromogomphus spoliatus* Hagen.
"Common in northwestern Ohio along the Maumee River and its
tributaries, and the Ohio canal." (Kellicott, 1899, p. 73).
26. *Lanthus albistylus* Hagen.
Ashland (JSH, OSU), Delaware, Franklin. June 3 to June 13.

27. *Gomphaeschna furcillata* Say.
Franklin (OSU). June 13 to June 15.
28. *Basiaeschna janata* Say.
Delaware, Fairfield, Franklin, Fulton (JSH, OSM), Greene (HK*), Licking, Morrow, Portage (Osburn and Hine, 1900), Tuscarawas. May 4 to June 13.
29. *Boyeria grafiana* Williamson.
Ashtabula (OSU). Sept.
30. *Boyeria vinosa* Say.
Belmont (BPR*), Coshocton (DJ), Fairfield (RG, OSM), Franklin, Geauga (MEC*), Hocking (EST, OSM), Jackson, Knox (Williamson, 1907), Logan, Seneca (OSU). June 22 to Sept. 1.
31. *Anax junius* Drury.
Ashtabula (JSH, OSU), Auglaize (JAS), Champaign, Coshocton (DJ), Darke (DJ), Delaware (JCP), Erie (BEM), Fairfield, Franklin, Geauga, Greene (HK*), Holmes, Jackson, Lawrence, Licking, Logan, Lucas (JB*), Ottawa, Perry, Pickaway, Pike, Portage (Osburn and Hine, 1900), Putnam (WED*), Sandusky, Shelby, Vinton, Washington, Wayne. April 7 to Oct. 8.
32. *Anax longipes* Hagen.
Erie (OSU), Hamilton (Kellicott, 1899), Wayne (BEM). June 22 to July 25.
33. *Nasiaeschna pentacantha* Rambur.
Portage (OSU). June 1 to June 22.
34. *Epiaeschna heros* Fabricius.
Auglaize (WFH, OSM), Erie (Hine, 1901), Franklin (CHK*), Licking (SL*), Ottawa (MDR*), Portage (Osburn and Hine, 1900). April 25 to July 10.
35. *Aeschna clepsydra* Say.
Kellicott, 1899, p. 84. (No locality given.)
36. *Aeschna constricta* Say.
Erie (CU, UM), Franklin (OSU), Logan, Ottawa (Kennedy, 1922). Aug. 10 to Sept. 23.
37. *Aeschna mutata* Hagen.
Franklin, Ottawa (CHK*), Portage (OSU). June 10 to June 27.
38. *Aeschna umbrosa* Walker.
Allen (JAS), Butler (EBW*), Champaign, Columbiana (Walker, 1912), Coshocton (DJ), Franklin, Geauga (MEC*), Logan, Medina (OSU), Shelby (DM*), Summit (OSU). July 21 to Oct. 13.
39. *Aeschna verticalis* Hagen.
Erie (Hine, 1901), Franklin (OSU), Summit (OSU). Sept. 19 to Oct. 6.
40. *Cordulegaster diastatops* Selys.
Champaign, Geauga (MEC*), Licking, Portage (JAS*). May 21 to July 7.
41. *Cordulegaster erroneus* Hagen.
Fairfield (OSU), Hocking (JST, OSM). July 5 to July 30.

42. *Cordulegaster maculatus* Selys.
Hocking. June 2 to June 17.
43. *Cordulegaster obliquus* Say.
Ashtabula (Kellicott, 1899), Guernsey (AW*). June to July.

Family LIBELLULIDAE

44. *Macromia illinoiensis* Walsh.
Adams (JSH, OSM), Erie (JSH, UM), Franklin (JSH, OSU), Hocking, Morgan (MBT, OSM), Ottawa (Kennedy, 1922), Pike (JS*), Portage (Osburn and Hine, 1900), Ross, *Tuscarawas*. May 3 to Aug. 7.
45. *Macromia taeniolata* Rambur.
Henry (JSH, UM), Lucas (OSU). July 9 to Aug. 1.
46. *Didymops transversa* Say.
Franklin (OSU), Vinton. April 25 to June 6.
47. *Neurocordulia obsoleta* Say.
Hamilton (OSU). June 15.
48. *Neurocordulia yamaskensis* Provancher.
Erie (Hine, 1901), Ottawa (OSU). June 26 to June 28.
49. *Epicordulia princeps* Hagen.
Coshocton (DJ), Erie (OSU), Fairfield, Franklin (EMS*), *Holmes*, Licking, Logan, Ottawa (Kennedy, 1922), *Perry*, Portage (Osburn and Hine, 1900). June 2 to Sept. 14.
50. *Tetragoneuria cynosura* Say.
Ashtabula (DJ), Champaign (CHK), *Coshocton* (DJ), Delaware (Kellicott, 1899, as *T. semiaqua* Burm.), Erie (Hine, 1901), Fairfield, Franklin, Geauga (MEC*), Hamilton (Muttkowski, 1911), Knox (Muttkowski, 1911), Licking (MDN, OSM), Logan, Mahoning (Muttkowski, 1911), Muskingum, Perry, Portage (JSH, OSU), Vinton. May 18 to Aug. 10.
51. *Somatochlora hineana* Williamson.
Logan (Williamson, 1931; type locality). June 7 to July 4.
52. *Somatochlora tenebrosa* Say.
Champaign, *Coshocton* (DJ*), Hocking (JSH, OSM), Jackson (CFW, OSM). July 1 to Aug. 4.
53. *Nannothemis bella* Uhler.
Champaign. June 6 to Aug. 14.
54. *Perithemis tenera* Say.
Belmont (BPR*), Clark, *Coshocton* (DJ*), Darke (DJ*), Erie (BEM), Fairfield, Franklin, *Gauga*, Greene, Hamilton (JGH*), Holmes, Lawrence, Licking, Logan, Lucas (JB, UM), Ottawa, Portage, Sandusky, *Shelby*, *Trumbull*, Vinton. June 11 to Sept. 14.
55. *Celithemis elisa* Hagen.
Ashtabula (DJ*), Champaign (JB*), Clark, Erie (BEM*), Fulton (OSU), Logan, Ottawa (BEM), Portage (Osburn and Hine, 1900), Vinton, *Washington*. June 6 to Aug. 15.

56. *Celithemis eponina* Drury.
Champaign (JB, UM), *Clark*, Erie (OSU), Franklin (JAS), Geauga, Licking, Logan, Miami (EST, OSM), Portage (Osburn and Hine, 1900). June 13 to Aug. 10.
57. *Celithemis monomelaena* Williamson.
Franklin (Williamson, 1910), Hamilton (Williamson, 1910), Portage (OSU), Summit (OSU). June 18 to Aug. 23.
58. *Erythrodiplax minuscula* Rambur.
Vinton. June 23.
59. *Erythrodiplax umbrata* Linnaeus.
Champaign. June 11.
60. *Ladona julia* Uhler.
Portage (OSU). June 18 to June 22.
61. *Libellula (Holotania) auripennis* Burmeister.
Hamilton (Kellicott, 1899), *Vinton*. June 23.
62. *Libellula (Holotania) cyanea* Fabricius.
Knox (OSU), Vinton. June 6 to July 12.
63. *Libellula (Holotania) incesta* Hagen.
Erie (OSU), Geauga, Portage (Osburn and Hine, 1900). June 26 to Aug. 1.
64. *Libellula (Holotania) luctuosa* Burmeister.
Ashtabula (DJ*), Belmont (BPR*), Champaign (JB, UM), *Clark*, Coshocton (DJ*), Darke (DJ*), Delaware, Erie (BEM*), Fairfield, Franklin, Geauga, Greene, *Holmes*, Jackson (EST, OSM), Licking, Logan, Lucas (JB, UM), Mahoning, Marion (BEM), *Miami*, Ottawa (Kennedy, 1922), Pike (CFW, OSM), Portage (EST, OSM), *Ross*, Sandusky, *Stark*, Trumbull, Van Wert (GG), Vinton. May 28 to Sept. 11.
65. *Libellula (Plathemis) lydia* Drury.
Adams, Ashtabula, Auglaize, Belmont (BPR*), Carroll, Champaign, *Clinton*, Coshocton (FLJ), Delaware, Erie, Fairfield, *Fayette*, Franklin, *Gallia*, Geauga, Greene, *Guernsey*, Hocking, Knox (GRO*), Licking, Logan, Lucas (JB, UM), Mahoning, Marion (BEM), Mercer, Montgomery, Morrow (REK), Muskingum (JST, OSM), Ottawa, Pickaway, Portage (Osburn and Hine, 1900), *Ross*, Sandusky, Shelby, *Stark*, Van Wert (GG), Vinton, *Washington*. May 13 to Aug. 30.
66. *Libellula (Neotetrum) pulchella* Drury.
Adams, *Ashland*, Ashtabula, *Auglaize*, Belmont (BPR*), *Carroll*, Champaign, *Clark*, *Coshocton* (DJ), *Darke* (DJ), Delaware, Erie, Fairfield, *Fayette*, Franklin, Geauga, Greene, Hocking, *Holmes*, Jackson, Knox, Lawrence, Licking, Logan, Lucas (JB, UM), *Mahoning*, Marion (BEM), Mercer, Ottawa, Pickaway, *Pike*, Portage (Osburn and Hine, 1900), Putnam (LBa), *Ross* (EPF), Sandusky, Scioto, Shelby, Summit (LB), Trumbull, Van Wert (GG), Vinton, *Washington*, Wayne (BEM). May 9 to Aug. 30.
67. *Libellula (Libellula) quadrimaculata* Linnaeus.
Erie (OSU), Knox (Hine, 1899). June 12 to June 22.

68. *Libellula (Eolibellula) semifasciata* Burmeister.
Ashtabula (DJ*), Champaign, Erie (OSU), Fairfield, Franklin, Hocking, Ottawa (Kennedy, 1922), Portage (Osburn and Hine, 1900), Vinton. May 2 to July 15.
69. *Libellula (Holotania) vibrans* Fabricius.
Fairfield (Kellicott, 1899), Franklin (OSU), Logan (JSH, OSM). June to July.
70. *Sympetrum ambiguum* Rambur.
Champaign, Erie, Fairfield, Franklin, Holmes, Licking, Logan, Ottawa, Perry (EST, OSM), Shelby. July 1 to Sept. 10.
71. *Sympetrum corruptum* Hagen.
Ashtabula, Erie (BEM), Franklin, Fulton (OSU), Greene (HK*), Licking, Putnam (WED*). April 18 to Aug. 9.
72. *Sympetrum obtusum* Hagen.
Ashtabula, Erie (OSU), Franklin, Licking (JSH), Logan, Lucas (JB, UM), Ottawa, Scioto (OSU), Shelby, Vinton. June 23 to Sept. 9.
73. *Sympetrum rubicundulum* Say.
Ashtabula, Champaign, Coshocton (EPB*), Erie (OSU), Fairfield, Franklin, Geauga, Highland (JSH, OSM), Licking, Logan, Lucas (JB, UM), Morrow (RTE*), Ottawa, Perry (EST, OSM), Portage (Osburn and Hine, 1900), Sandusky, Shelby, Stark, Summit (OSM), Vinton. June 10 to Aug. 26.
74. *Sympetrum semicinctum* Say.
Belmont (BPR*), Champaign, Erie (OSU), Franklin (Kellicott, 1899), Geauga, Logan, Lucas (JB, UM), Summit (JSH, OSM). July 2 to Aug. 26.
75. *Sympetrum verum* Bartenef.
"Ohio." (Bartenef, 1915.)
76. *Sympetrum vicinum* Hagen.
Athens (EB), Butler (EBW*), Champaign, Coshocton (EPB*), Erie (BEM*), Fairfield (JAS), Franklin, Geauga, Holmes, Licking (JSH, OSM), Logan, Ottawa, Perry (EST, OSM), Portage, Trumbull, Vinton, Washington. June 29 to Nov. 7.
77. *Leucorrhinia intacta* Hagen.
Champaign, Erie (BEM*), Franklin, Geauga, Licking, Logan, Ottawa (Kennedy, 1922), Portage (JSH, OSM). May 9 to Aug. 1.
78. *Pachydiplax longipennis* Burmeister.
Ashtabula, Auglaize, Champaign, Coshocton, Delaware, Erie (BEM), Fairfield, Franklin, Geauga, Greene, Hocking, Holmes, Lawrence, Licking, Logan, Lucas (JB, UM), Miami (EST, OSM), Morrow (REK), Muskingum (JST, OSM), Ottawa, Perry (EST, OSM), Pickaway, Pike, Portage (Osburn and Hine, 1900), Sandusky, Shelby, Trumbull, Vinton, Washington. May 6 to Sept. 9.
79. *Erythemis simplicicollis* Say.
Champaign (JB, UM), Clark, Coshocton (DJ*), Darke (DJ), Erie (BEM), Fairfield, Franklin, Greene (HK*), Holmes, Licking, Logan, Lucas (JB, UM), Miami (EST, OSM), Ottawa, Perry, Portage (JAS), Sandusky, Shelby, Stark, Trumbull, Vinton. May 19 to Oct. 16.

80. *Pantala flavescens* Fabricius.
Ashtabula, Erie (Hine, 1901), Fulton (OSU), Logan (DM), Pickaway (LOC), Ottawa (OSU). July 2 to Oct. 17.
81. *Pantala hymenaea* Say.
Adams, Athens, Franklin (LOC), Logan (MBT, OSM), Shelby (Kellicott, 1899), Washington. April 3 to June 29.
82. *Tramea carolina* Linnaeus.
Clark, Erie (Hine, 1901a), Franklin, Licking, Ottawa, Vinton, Washington. May 6 to Aug. 14.
83. *Tramea lacerata* Hagen.
Ashtabula (DJ), Champaign, Clark, Coshocton (DJ), Delaware, Erie (BEM*), Fairfield, Franklin, Greene, Holmes, Jackson, Licking, Logan, Lucas (JB, UM), Ottawa, Perry, Pickaway, Pike, Portage (Osburn and Hine, 1900), Vinton, Washington. May 6 to Oct. 11.
84. *Tramea onusta* Hagen.
Cuyahoga (OSU), Erie, Franklin (JS), Greene (HK*), Hamilton (Kellicott, 1899), Ottawa. May 7 to Aug. 26.

Family CALOPTERYGIDAE

85. *Calopteryx aequabile* Say.
Portage (OSU), Summit (OSU). June 18 to June 26.
86. *Calopteryx angustipenne* Selys.
Ashland (OSU). June 10 to June 14.
87. *Calopteryx maculatum* Beauvais.
Adams, Ashland, Ashtabula, Auglaize, Champaign, Clark, Clinton, Coshocton, Delaware, Erie (BEM*), Fairfield, Franklin, Gallia, Geauga (MEC*), Greene, Guernsey, Hamilton (Huggins, 1927), Highland, Hocking, Holmes, Jackson, Lake (BEM), Licking, Logan, Lucas (JB, UM), Marion (BEM), Morrow, Perry, Portage, Ross, Trumbull, Union, Vinton, Wayne (BEM). May 21 to Aug. 18.
88. *Hetaerina americana* Fabricius.
Ashland, Auglaize, Belmont (BPR*), Champaign (JB, UM), Clark, Delaware, Erie (BEM*), Fayette, Franklin, Greene, Highland, Hocking, Lake (BEM), Licking, Logan, Madison, Mahoning, Paulding (GG), Portage (Osburn and Hine, 1900), Ross, Scioto (OSU), Shelby, Summit (LB). May 7 to Oct. 7.
89. *Hetaerina titia* Drury.
Fairfield (OSU). Sept. 28.

Family COENAGRIONIDAE

90. *Archilestes grandis* Rambur.
Butler (Williamson, 1930), Preble (EST, OSM), Montgomery (Cotterman, 1930). Sept. 21 to Oct. 11.
91. *Lestes congener* Hagen.
Franklin (OSU), Licking (JSH, OSM), Logan. July 3 to Sept. 28.

92. *Lestes disjunctus* Selys.

Ashtabula, Columbiana (EBW, UM), Delaware (GH), Erie (RCO, UM), Fairfield, Franklin, Geauga (MEC*), Ottawa (UM). May 9 to Aug. 14.

93. *Lestes eurinus* Say.

Erie (OSU), Franklin, Logan, Portage (Hine 1900 and 1913). May 24 to July 14.

94. *Lestes forcipatus* Rambur.

Ashtabula, Auglaize (JAS), Champaign, Erie (OSU), Fairfield, Franklin, Hocking (JST, OSM), Knox (GRO*), Lawrence, Logan, Lucas (JB, UM), Ottawa, Portage (JSH, UM). April 28 to Aug. 18.

95. *Lestes inaequalis* Walsh.

Champaign (JB*), Erie (OSU), Fairfield (OSU), Licking (WRP*), Logan (WRP*), Morrow (REK), Portage (RCO, UM), Stark. June 16 to Aug. 10.

96. *Lestes rectangularis* Say.

Ashtabula, Champaign, Coshocton, Erie, Fairfield, Franklin, Geauga, Greene, Holmes, Knox (EBW, UM), Licking, Logan, Lucas (JB*), Muskingum (DJ), Ottawa, Portage, Sandusky, Shelby, Stark, Trumbull, Vinton, Washington. May 30 to Aug. 26.

97. *Lestes uncatatus* Kirby.

Ashtabula, Champaign, Coshocton (JSH, OSM), Erie (BEM), Fairfield, Franklin, Geauga, Logan, Lucas (JB, UM), Mahoning (UM), Morrow (REK), Ottawa (Kennedy, 1922), Portage (JSH, UM). June 10 to Aug. 1.

98. *Lestes unguiculatus* Hagen.

Ashtabula, Champaign, Erie (OSU), Franklin, Logan, Ottawa, Summit (LB), Trumbull. July 1 to Aug. 22.

99. *Lestes vigilax* Hagen.

Erie (OSU), Portage. July 4 to Aug. 1.

100. *Argia apicalis* Say.

Adams, Athens, Auglaize, Belmont (BPR*), Delaware, Erie (BEM*) Fairfield, Franklin, Gallia, Greene, Licking, Logan, Lucas (JB, UM), Mahoning, Montgomery, Muskingum, Ottawa, Portage (Osburn and Hine, 1900), Ross, Sandusky, Scioto (NJG), Shelby, Stark, Summit (LB), Vinton. June 4 to Sept. 4.

101. *Argia bipunctulata* Hagen.

Champaign. June 3 to Aug. 22.

102. *Argia moesta* Hagen.

Adams, Ashland, Belmont (BPR*), Clark, Coshocton, Delaware (DM), Erie (BEM), Fairfield, Franklin, Greene, Highland, Holmes (EST, OSM), Hocking, Knox, Lake (BEM), Licking, Logan, Mahoning, Miami, Montgomery, Ottawa, Portage (Osburn and Hine, 1900), Ross, Shelby, Tuscarawas, Van Wert (GG). May 30 to Aug. 24.

103. *Argia sedula* Hagen.

Adams, Athens, Erie (Hine, 1901), Fayette, Franklin, Fulton (OSU), Greene, Hocking, Knox (FLJ), Licking, Madison, Ross, Shelby. June 12 to Aug. 24.

104. *Argia tibialis* Rambur.

Adams, Athens, Delaware, Erie (BEM), Fairfield, Franklin, Gallia, Greene, Highland, *Hocking*, *Holmes*, Jackson, Knox (FLJ), Licking, Logan, Montgomery, Pickaway, Portage (Osburn and Hine, 1900), Ross, Sandusky, Trumbull, Vinton. May 30 to July 29.

105. *Argia violacea* Hagen.

Adams, Ashland, Ashtabula, Auglaize, Champaign, Clark, Clinton, Delaware, Erie (BEM), Fairfield, Franklin, Geauga, Greene, Highland, Holmes, Knox, Lake (BEM), Licking, Logan, Mahoning, Miami, Morrow, Perry, Pickaway, Portage, Ross, Sandusky, Stark, Trumbull, Vinton, Wayne (BEM). May 26 to Sept. 15.

106. *Amphiagrion saucium* Burmeister.

Champaign, Coshocton, Delaware, Erie (BEM), Fairfield, Franklin, Fulton (OSU), Geauga (MEC*), Hocking, Knox, Licking, Logan, Pickaway, Portage (JST, OSM), Wayne (BEM). May 10 to Aug. 13.

107. *Nehalennia gracilis* Morse.

Champaign, Geauga, Knox, Licking. May 30 to Aug. 1.

108. *Nehalennia irene* Hagen.

Ashtabula, Champaign, Erie (Hine, 1901a), Franklin, Licking, Logan, Ottawa (Kennedy, 1922), Portage (Osburn and Hine, 1900), Wayne (BEM*). May 17 to Aug. 1.

109. *Chromagrion conditum* Hagen.

Champaign, Delaware, Franklin, Geauga (MEC*), Greene, Licking, Ottawa (CHK), Portage (Osburn and Hine, 1900), Vinton. May 20 to July 12.

110. *Enallagma antennatum* Say.

Auglaize, Clark, Clinton, Delaware, Erie, Fairfield, Fayette, Franklin, Greene, Knox, Licking, Logan, Lucas (JB, UM), Mercer, Morrow, Muskingum, Perry, Portage (JSH, OSM), Sandusky, Shelby, Union, Wayne (BEM). May 20 to Aug. 11.

111. *Enallagma aspersum* Hagen.

Erie (OSU), Franklin, Geauga, Lawrence, Logan, Washington. May 7 to Aug. 1.

112. *Enallagma boreale* Selys.

Erie (BEM), Franklin. May 14 to June 20.

113. *Enallagma carunculatum* Morse.

Auglaize, Champaign, Clark, Erie (OSU), Holmes, Licking, Logan, Lucas (JB*), Mercer (Kellicott, 1899), Ottawa, Portage (Osburn and Hine, 1900), Stark. June 3 to Sept. 11.

114. *Enallagma civile* Hagen.

Ashtabula, Belmont (BPR*), Butler (EBW, UM), Clark, Darke (DJ*), Delaware, Erie, Fairfield, Fayette, Franklin, Greene, Holmes, Knox (GRO*), Licking, Logan, Lucas (JB, UM), Ottawa, Portage (Osburn and Hine, 1900), Sandusky, Tuscarawas, Washington. May 4 to Oct. 11.

115. *Enallagma divagans* Selys.

Clinton, Delaware, Fairfield, Greene, Jackson, Logan, Morrow, Portage (JSH, OSM), Vinton. June 3 to June 29.

116. *Enallagma doubledayi* Selys.

Franklin (OSU). May 4.¹

117. *Enallagma ebrium* Hagen.

Eric (BEM), Franklin, Geauga (MEC), Logan (JSH, OSM), Ottawa (BEM*), Portage (JSH, OSM), Sandusky. May 7 to July 15.

118. *Enallagma exsulans* Hagen.

Adams, Ashland, Athens, Auglaize, Butler (EBW, UM), Clark, Clinton, Delaware, Erie, Fairfield, Fayette, Franklin, Greene, Highland, Hocking, Jackson, Lake (BEM), Knox, Licking, Logan, Lucas (JB, UM), Madison, Mahoning, Miami, Montgomery, Morrow, Muskingum, Ottawa, Perry, Pickaway, Portage (Osburn and Hine, 1900), Ross, Sandusky, Stark, Trumbull, Tuscarawas, Union, Van Wert (GG), Vinton. May 17 to Sept. 4.

119. *Enallagma geminatum* Hagen.

Champaign (JB, UM), Erie (Hine, 1901), Franklin, Fairfield, Holmes, Licking, Logan, Perry, Portage (Osburn and Hine, 1900), Stark, Summit. May 14 to Sept. 26.

120. *Enallagma hageni* Walsh.

Franklin, Geauga (MEC*), Logan, Ottawa (Kennedy, 1922), Portage (JSH, OSM). June 11 to June 29.

121. *Enallagma signatum* Hagen.

Ashtabula, Champaign, Erie (BEM), Fairfield, Franklin (JAS), Holmes, Licking, Logan, Madison, Ottawa, Portage (Osburn and Hine, 1900), Shelby, Stark, Summit. May 21 to Sept. 26.

122. *Enallagma traviatum* Selys.

Fairfield (DJ*), Hamilton (OSU), Licking, Logan, Portage, Summit (Kelicott, 1899). June 1 to Aug. 1.

123. *Enallagma vesperum* Calvert.

Champaign (BB*), Erie (OSU), Greene, Licking, Logan, Ottawa, Portage (Osburn and Hine, 1900, as *E. pollulum* Hagen), Stark. May 31 to Aug. 25.

124. *Ischnura posita* Hagen.

Ashtabula, Butler (EBW, UM), Champaign, Clinton, Coshocton, Erie (BEM), Fairfield, Fayette, Franklin, Geauga, Greene, Holmes, Jackson, Lawrence, Licking, Logan, Madison, Montgomery, Morrow (DJ*), Muskingum, Perry, Pickaway, Portage (Osburn and Hine, 1900, as *Nehalennia posita*), Shelby, Summit, Union, Vinton, Wayne (BEM). April 23 to Oct. 11.

125. *Ischnura prognatha* Hagen.

Hocking (CHK, OSU). April 20.

¹This species was reported from Logan County in my 1930 paper (Borror, 1930, p. 415), but the specimens were misidentified. They were *E. carunculatum* Morse.

126. *Ischnura verticalis* Say.

Ashtabula, Auglaize, Belmont (BPR*), Butler (EBW, UM), Champaign, Clark, Clinton, Coshocton, Darke (DJ*), Delaware, Erie, Fairfield, Fayette, Franklin, Gallia, Geauga, Greene, Hocking, Holmes, Jackson, Knox, Lake (BEM), Licking, Logan, Lucas (JB*), Madison, Mahoning, Mercer, Miami, Morrow, Muskingum, Ottawa, Perry, Pickaway, Pike, Portage, Ross, Sandusky, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Van Wert (GG), Vinton, Washington, Wayne (BEM). April 30 to Oct. 11.

127. *Anomalagrion hastatum* Say.

Champaign, Erie (BEM), Fairfield, Franklin, Fulton (OSU), Logan, Ottawa (LYL), Pike, Shelby, Vinton. May 6 to Aug. 24.

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