A CHECKLIST OF THE ODONATA FROM ORANGE COUNTY, FLORIDA

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ABSTRACT

Eighty-five species of Odonata are now recorded from Orange County, Florida, with 7 species recently collected for the first time. The new records are Dromogomphus armatus Selys, Boyeria vinosa (Say), Macromia georgina (Selys), Tetragonura costalis (Selys), Libellula semifasciata Burmeister, Argia tibialis (Rambur), and Enallagma civile (Hagen).

Davis and Fluno (1938) collected and recorded the majority of Odonata from Orange County, Florida. Since then, literature records and specimens from the Florida State Collection of Arthropods (FSCA), University of Florida at Gainesville have added several species to the county checklist which they did not record. Recently, I have collected 7 species new to Orange County, which are reported in the following checklist of 85 species. Specimens representing the 7 new records have been examined and verified by Dr. Minter J. Westfall, Jr. I have collected adults of all species from Orange County except those few as mentioned in the text. Comments on the Davis and Fluno list are made where necessary. All specimens are either in my personal collection or in the Orange County Pollution Control Department reference collection.

ANISOPTERA SELYS

GOMPHIDAE

Aphylla williamsoni (Gloyd). Recorded as Gomphoides williamsonii Gloyd by Davis and Fluno.


Dromogomphus spinosus Selys.

Gomphus (Arigomphus) pallidus Rambur.

Gomphus (Gomphurus) dilatatus Rambur.

Gomphus (Gomphus) australis Needham. First recorded from Gotha, Orange County by Needham (1897) but it was not collected by Davis and Fluno in Orange County. I have found it common at Lake Lucien. Maitland, in IV-1978.

Gomphus (Gomphus) cavillarius Needham.

Gomphus (Gomphus) minutus Rambur.

Gomphus (Stylurus) plagiatus Selys.

Hagenius brevitilus Selys.

Progomphus alachuaensis Byers. Described by Byers (1939), it was listed by Davis and Fluno as Gomphoides (Progomphus) obscura (Rambur).
**Aeshnidae**

*Anax juntus* (Drury).
*Anax longipes* Hagen.


*Coryphaeschna ingens* (Rambur).

*Epiaeschna heros* (Fabricius).

*Gomphaeschna antilope* (Hagen). I have not yet collected this species from Orange County although Davis and Fluno did.

*Gomphaeschna furcillata* (Say). Gloyd (1940) reports that 2 males collected on 8-1-1937 by Davis and Fluno were actually *G. furcillata* making it the first Orange County record.

*Gynacantha nervosa* Rambur.

*Nasiaeschna pentacantha* (Rambur).

*Trinacanthogymna trifida* (Rambur).

**Macromiidae**

*Didymops floridensis* Davis. Misidentified as *Didymops transversa* (Say) by Davis and Fluno.


*Muevromia bueniocula* Rambur.

**Corduliidae**

*Epicoelula princeps regina* (Hagen).

*Neurocordulia alabamensis* Hodges. First recorded from Orange County by Westfall (1953b), it was not collected by Davis and Fluno.

*Somatochlora filosa* (Hagen).


*Tetragonuria cynocephala* (Say). Misidentified as *Tetragonuria semiaquea* (Burmeister) by Davis and Fluno.

*Tetragonuria sepia* Gloyd. The specimens collected by Davis and Fluno actually included both *T. sepia* and *T. stella*. Westfall (1941) collected a male and female from Orlando on 29-III-1938.

*Tetragonuria stella* Williamson.

**Libellulidae**

*Brachymesia gravida* (Calvert).

*Celithemis amanda* (Hagen).

*Celithemis berthar berthar* Williamson.

*Celithemis eponina* (Drury).

*Celithemis fasciata fasciata* Kirby.

*Celithemis ornata* (Rambur).

*Erythemis simplicicollis* (Say).

*Erythrodiplax connata minuscule* (Rambur).

*ladona deplanata* (Rambur).

*Libellula auripennis* (Burmeister).

*Libellula axilena* Westwood.

*Libellula incesta* Hagen.
Libellula jesseana Williamson.
Libellula neodhami Westfall. Westfall (1949) described this species, citing a male collected by Davis on 27-IV-1936 and a female by Fluno on 15-VIII-1935 from Orange County. They were included in the lot of Libellula auripennis specimens.
Libellula vibrans Fabricius.
Macrodiplax balteata (Hagen). Davis and Fluno did not report this species, but one male in the FSFA was collected by E. M. Davis on 3-V-1941 ca. 10 miles west of Orlando. I have not yet taken this coastal species.
Melanoplus marcella (Selys). Not collected by Davis and Fluno. Westfall (1953a) first recorded this species from Orange County in IX-1950.
Orthemis ferruginea (Fabricius).
Pachydiplax longipennis (Burmeister).
Pantala flavescens (Fabricius).
Pantala hymenaea (Say). I have not yet collected this species from Orange County.
Perithemis tenera seminole Calvert.
Smaragdula corruptum (Hagen). Byers (1936) lists the first adult taken at Winter Park, Orange County in XI-1934 by E. M. Davis. I have not collected this species which was not listed by Davis and Fluno.
Tramea carolina (Vittes).

ZYGOPTERA SELYs

LESTIDAE
Lestes disjunctus australis Walker. Described by Walker (1952), it was listed as Lestes forcipatus Rambur by Davis and Fluno (1938).
Lestes vidua Hagen.
Lestes vigilax Hagen.

CALOPTERYGIDAE
Calopteryx dimidiata Burmeister.
Calopteryx maculata (Beauvois).
Hetaerina titia (Drury).

COENAGRONIDAE
Anomalagrion hastatum (Say).
Argia bipunctulata (Hagen).
Argia fumipennis atra Gloyd. This is the subspecies (Gloyd 1968) found in peninsular Florida.
Argia sedula (Hagen).
Argia tibialis (Rambur). New County record. Many adults and nymphs taken from Little Econlockhatchee River near Goldenrod and also near Florida Technological University campus from 28-III-1977 through 17-IX-1977.
Argiactia pallidulum (Calvert). One male from Winter Park 19-IV-1941 collected by M. J. Westfall, Jr. located in the FSFA. This species was not collected by Davis and Fluno or by myself.
Enallagma cardium Selys.
Enallagma civile (Hagen). New County record. Many adults and nymphs
taken from a holding pond near Lake Margaret, Orlando on 28-XII-1976.
Enallagma concisum Williamson.
Enallagma doubledayi (Selys).
Enallagma durum (Hagen). Not recorded by Davis and Fluno. There is a
male taken by M. J. Westfall, Jr. from Lake Apopka on 24-XI-1938 and
56 specimens from Winter Park 25-V-1939 in the FSCA.
Enallagma pallidum Root.
Enallagma pollutum (Hagen). Misidentified by Davis and Fluno as E. signa-
tum.
Enallagma signatum (Hagen). One male and female taken on the Big
Wekiva River on 12-IV-1938 by M. J. Westfall, Jr. in the FSCA.
Enallagma sulcatum Williamson.
Enallagma vespertum Calvert. Probably the same as E. lawrenti Calvert
pending further research.
Enallagma veenva Byers.
Ischnura kellicotti Williamson.
Ischnura posita (Hagen).
Ischnura prognatha (Hagen). Not recorded by Davis and Fluno. One male
collected 15-V 1941 by M. J. Westfall, Jr. in Winter Park (FSCA).
Ischnura ramburii (Selys).
Nehalemia integrigalbus Calvert.
Telebasis byersi Westfall. Described by Westfall (1957) it was reported as
T. salva Hagen by Davis and Fluno.

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