

NEW RECORDS OF NORTH AMERICAN
ANISOPTEROUS DRAGONFLIES

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ABSTRACT

New state records for the continental United States and new early or late dates of flight are listed for *Tachopteryx thoreyi* Hagen, *Cordulegaster obliqua* Say, *Gomphus villosipes* Selys, *Gomphus apomyius* Donnelly, *Ophiogomphus arizonicus* Kennedy, *Aeshna multicolor* Hagen, *Coryphaeschna ingens* (Rambur), *Helocordulia selysii* (Hagen), *Celithemis verna* Pritchard, *Dythemis fugax* Hagen, *Dythemis nigrescens* Hagen, *Erythemis collocata* (Hagen), *Erythrodiplax berenice* (Drury), *Leucorrhinia frigida* Hagen, *Libellula composita* Hagen, *Libellula nodisticta* Hagen, *Libellula pulchella* Drury, *Belonia saturata* (Uhler), *Macrodiplax balteata* Hagen, *Paltothemis lineatipes* Karsch, *Perithemis intensa* Kirby, *Sympetrum costiferum* (Hagen), and *Cannacria gravida* (Calvert).

NEW RECORDS

New records obtained by the author in Florida are not included but will be included in a forthcoming paper by Minter J. Westfall, Jr.

Tachopteryx thoreyi Hagen

Mississippi, Perry Co., 6 mi NW Benndale. 8 April 1974. One male and 1 female collected of several seen. New Mississippi record.

Cordulegaster obliqua Say

Texas, Houston Co., Ratcliff Lake. 18 April 1974. One female collected. New Texas record and early date. This specimen departs from *C. obliqua* in the direction of *C. fasciata* Rambur as both are described in Needham and Westfall (1955) in the following characters:
Total length 84 mm, forewing antenodals 24 on 1 wing, and 9 cells in the anal loop on one hindwing.

Gomphus (Arigomphus) villosipes Selys

Pennsylvania, Forest Co., Beaver Meadows Lake. 4 August 1973. Three males collected of a few seen. New late date.

Gomphus (Hylogomphus) apomyius Donnelly

Mississippi, Forrest Co., Chaney Creek 1 mi E of Brooklyn. 10 April 1974. Nine males collected. New Mississippi record.

Ophiogomphus arizonicus Kennedy

New Mexico, Catron Co., San Francisco River 4 mi W of Luna. 8 June 1974. Four males and 1 female, 1 emerging male, and many exuviae collected. New early date and New Mexico record.

Aeshna multicolor Hagen

New Mexico, Grant Co., Lake Roberts. 8 May 1974. Ten males and 1 female collected. One or 2 pairs in copulation seen. New early date.

Coryphaeschna ingens (Rambur)

Texas, Sabine Co., Toledo Bend Reservoir. 17 April 1974. One male

collected. New Texas record. This species was also listed as being from Texas in a thesis on the odonata of the San Antonio, Texas, area (P. N. Albright, unpublished data, Trinity Univ., San Antonio). The source of information for that list was a letter from A. M. Ferguson to the author, P. N. Albright.

Helocordulia selysii (Hagen)

Alabama, Baldwin Co., U. S. 90 at the Florida border. 10 March 1972. One teneral female collected of 3 seen. New early date.

Celithemis verna Pritchard

Mississippi, Forrest Co., Grapevine Pond 4 mi NE of Brooklyn. 10 April 1974. One teneral male collected by Sondra L. Dunkle. New early date.

Dythemis fugax Hagen

Texas, Gillespie Co., Lady Bird Johnson Park at Fredericksburg. 25 April 1974. One teneral male collected. New early date.

Dythemis nigrescens Hagen

Texas, Burnet Co., Inks Lake. 23 April 1974. One pruinose male collected of 2 seen. New early date. This species has not been previously recorded in print as being from Texas, although it has been collected by many people there. The latest date in the Florida State Collection of Arthropods is 1 November 1923 for a specimen collected at Acoponeta, Nayarit, Mexico by J. H. Williamson.

Erythemis collocata (Hagen)

Arizona, Cochise Co., Parker Canyon Lake. 12 May 1974. One female collected. New early date.

Erythrodiplax berenice (Drury)

New Mexico, Chaves Co., Bottomless Lakes State Park. 11 June 1974. Three males and 1 teneral female collected. New record for New Mexico. These lakes are saline gypsum sinkholes.

Leucorrhinia frigida Hagen

Michigan, Manistee Co., Dorner Lake. 24 August 1973. One male collected. New late date.

Libellula composita Hagen

New Mexico, Chaves Co., Bottomless Lakes State Park. 11 June 1974. Three males collected of about 20 seen. A pair was seen in copulation and tandem oviposition. New early date and New Mexico record.

Libellula podisticta Hagen

New Mexico, Catron Co., Tularosa Creek at the town of Apache Creek. 9 June 1974. Three pruinose males collected of a few seen. New early date and New Mexico record. Several specimens of this species were collected of many seen on 14 June 1964 by Clifford Johnson 5 mi S of Pietown in the same county.

Libellula pulchella Drury

New Mexico, Socorro Co., Bosque del Apache Wildlife Refuge. 4 July 1965. New record for New Mexico, collected by Clifford Johnson.

Belonia saturata (Uhler)

Texas, Kinney Co., 5.2 mi E of Bracketville on U. S. 90. 29 April 1974. Two males collected of a few seen. Two females were seen in oviposition. New early date.

Macrodiplax balteata Hagen

New Mexico, Chaves Co., Bottomless Lakes State Park. 11 June 1974. Five males and 3 females collected. New record for New Mexico.

Paltothemis lineatipes Karsch

Texas, Burnet Co., Inks Lake. 23 April 1974. One female collected. New early date.

Perithemis intensa Kirby

Arizona, Pinal Co., Picacho Reservoir. 15 May 1974. One male collected. New early date.

California, Imperial Co., Imperial Dam on the Colorado River. 16 May 1974. Three males collected. New California record.

Sympetrum costiferum (Hagen)

Pennsylvania, Tioga Co., Pheasant Hill Campground near Wellsboro. 31 July 1973. Five males and 5 females collected. New Pennsylvania record. Some males and 1 female examined had all black tibiae.

Vermont, Windsor Co., Pasture Pond W of South Royalton near the White River. 24 July 1973. Seven males and 3 females collected. New Vermont Record. All those caught had dark brown to black tibiae.

Cannacria gravida (Calvert)

Georgia, Irwin Co., Cook Lake. 11 September 1974. Four males and 3 females collected. New Georgia record. There is also a male from the Satilla River, Brantley Co., 6.7 mi E of Nahunta, 12 October 1963 collected by D. R. Paulson in the Florida State Collection of Arthropods. The specimen of *Libellula pulchella* is in the collection of Clifford Johnson. At least 1 specimen of each of the other species listed has been deposited in the Florida State Collection of Arthropods at Gainesville, Florida. Most of the other specimens are in the author's collection.

ACKNOWLEDGEMENTS

I am especially grateful to Dr. Minter J. Westfall, Jr. for verifying the identity of these specimens and helping in numerous other ways. I would also like to thank Clifford Johnson for his kind suggestion that I include his *Libellula* records.

LITERATURE CITED

- NEEDHAM, J. G., and M. J. WESTFALL, JR. 1955. A manual of the dragonflies of North America. University of California Press, Los Angeles. 615 p.