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ADDITIONS TO THE VASCULAR FLORA OF CADDO PARISH, LOUISIANA

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ABSTRACT

The vascular flora of Caddo Parish is updated. Field research has yielded four new species to the area: *Alternanthera sessilis*, *Plantago major*, *Polycarpon tetraphyllum*, and *Polypogon viridis*.

Since the publication of our "An updated annotated vascular flora of Caddo Parish, Louisiana, with notes on regional phytogeography and ecology" (MacRoberts & MacRoberts 2006) and several updates recording new species to the Parish (Kelley 2019; MacRoberts & MacRoberts 2017, 2020; MacRoberts et al. 2018), we have continued to locate interesting additions. All of the species reported here were found in Columbia Park, a 4-hectare, frequently mowed and highly disturbed public park in Shreveport, Louisiana (see brief description in MacRoberts et al. 2020). All of the species reported here as new to Caddo Parish are non-native. According to Nesom (2009), in Texas these species are not considered to be a threat to native species. The Caddo Parish vascular plant list now stands at 1451 species, of which 17% are non-native.

AMARANTHACEAE

Alternanthera sessilis (L.) R. Br. ex DC. *MacRoberts & MacRoberts 9011, 9012* (LSUS, LSU).

This species was found on August 12 and 13 in two wet areas near a stream. Associated species include *Alternanthera philoxeroides*, *Calyptocarpus vialis*, *Diodia virginiana*, and *Paspalum pubiflorum*.

CARYOPHYLLACEAE

Polycarpon tetraphyllum (L.) L. *MacRoberts & MacRoberts 9004, 9005* (LSUS, LSU).

On 8 June 2020, we discovered *Polycarpon tetraphyllum* (L.) L., commonly known as four-leaf manyseed, growing in shaded dry soil. This is the second Louisiana record for this native of Europe and the Mediterranean (Allen et al. 2010). There were many clusters of this species over a half hectare of relatively flat, highly compacted ground (Figs. 1 and 2). Associated species included *Pinus taeda, Cynodon dactylon, Digitaria ciliaris, Digitaria ischaemum, Prunella vulgaris, Salvia lyrata, Sida spinosa, Stenotaphyrum secundatum,* and *Trifolium repens*.

PLATAGINACEAE

Plantago major L. *MacRoberts & MacRoberts 9008* (LSUS, LSU)

While widely scattered throughout the USA (Kartesz 2014), this native of Europe has apparently not been reported for Caddo Parish (MacRoberts & MacRoberts 2006). We found three plants on 14 July 2020, growing is a wet area near a small stream dominated by *Acmella oppositifolia*, *Colocasia esculenta*, and *Phyllanthus urinaria*.

POACEAE

Polypogon viridis (Gouan) Breister.

New to both Louisiana and Caddo Parish, discussed in a previous paper (MacRoberts et al. 2020).

Figure 1. *Polycarpon tetraphyllum* habitat in Columbia Park, Shreveport.

Figure 2. *Polycarpon tetraphyllum* in Columbia Park, Shreveport.

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