

NOTES ON THE DISTRIBUTION OF SOME RARELY REPORTED SPECIES OF OEDOGONIUM

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Studies of Illinois waters by several investigators have resulted in reports of between seven and eight hundred species of algae. Of these the single genus *Oedogonium* is represented by seventy-nine species, varieties, and forms (Tiffany 1937, 1939) or roughly twenty-eight per cent of the two hundred and eighty-three species reported in the literature as occurring in North America.

In the course of recent studies of Illinois and Indiana algae, the writer has collected seven additional records of species of *Oedogonium*, which by their rarity of occurrence merit mention at this time. Two of these were originally described from North American material and have not been reported from localities other than that of the type. The five remaining species were described from type localities in Africa, Estonia, Germany and Sweden, and only two have been previously recorded for North America. The species to be reported are as follows:

Oedogonium acmandrium var. *stictospermum* Skuja, Acta Horti Univ. Latv. 4: 30(1930); Tiffany, N. Am. Fl. 11(1): 84(1937).

Collected from a small swamp and intermittent pond on Central Road about two miles west of Glenview, Cook County, Illinois, May 12, 1938. Author's Herb. #56.

Previously known only from the type station on the island of Saaremaa (Ezel), Estonia.

Oedogonium concatenatum var. *superornatum* Tiffany, N. Am. Fl. 11(1): 64 (1937).

Collected from small swamps, ponds and intermittent streams on Glenview Road about two miles west of Glenview, on Lake Avenue just east of Pfingsten Road, on Landwehr Road one-half mile north of Lake Avenue, and on Pfingsten Road about one mile north of Lake Avenue, Glenview, Cook County, Illinois, May 12, 1938; on Techny Road just east

and west of Landwehr Road southwest of Northbrook, Cook County, Illinois, May 12, 1938; small pond just east of Telegraph Road about one mile south of Everett, Lake County, Illinois, May 15, 1938. Author's Herb. #58-60, 62-64, 71.

Previously known only from the type station at Woods Hole, Massachusetts.

Oedogonium Croasdateae Jao, Rhodora 36: 202(1934); Tiffany, N. Am. Fl. 11(1): 69. Pl. 26. f. 416-419(1937).

Collected from small swamps and intermittent ponds on Central Road about two miles west of Glenview, Cook County, Illinois, May 12, 1938; swamp north of Rolling Prairie, La Porte County, and a small pond north of Valparaiso, Porter County, Indiana, April 30, 1938. Author's Herb. #31, 37, 53, 56.

Previously known only from the type station at Woods Hole, Massachusetts.

Oedogonium decipiens var. *africanum* Tiffany, Ohio Jour. Sci. 29: 74(1929); Oedog. Monog. p. 145. Pl. 55. f. 523-524(1930).

Collected in swamp and intermittent pond in Somme Forest Preserve, Northbrook, Cook County, Illinois, May 15, 1938. Author's Herb. #66.

Previously known only from the type station in Angola, Africa, and from Indiana.

Oedogonium fragile var. *abyssinicum* Hirn, Acta Soc. Sci. Fennicae 27: 97(1900); Tiffany, Oedog. Monog. p. 75. Pl. 15. f. 147(1930).

Collected in swamps and intermittent ponds on Techny Road just east of Landwehr Road, Northbrook, and on Landwehr Road about one-half mile north of Lake Avenue, Glenview, Cook County, Illinois, May 12, 1938; swamp and intermittent pond in Somme Forest Preserve, Northbrook, Cook County, Illinois, May 15, 1938; swamp north of Valparaiso, Porter County, Indiana, April 30, 1938. Author's Herb. #36, 60, 62, 66.

Previously known only from the type station in Africa.

Oedogonium Kirchneri Wittrock, Hedwigia 21: 104(1882); Tiffany, Oedog. Monog. p. 116. Pl. 38. f. 371(1930).

Collected in a small pond on Techny Road just west of Landwehr Road and in a swamp and intermittent pond in the Somme Forest Preserve, Northbrook, Cook County, Illinois, May 12 and 15, 1938. Author's Herb. #63, 66.

Previously known only from the type station in Germany.

Oedogonium nodulosum Wittrock, Bih. Sv. Vet.-Akad. Handl. 11: 22(1872); Tiffany, N. Am. Fl. 11(1): 74. Pl. 23. f. 370-371(1937).

Collected in a swamp north of Rolling Prairie, La Porte County, Indiana, April 30, 1938. Author's Herb. #32.

Previously known only from the type station in Sweden and from Michigan.

BIBLIOGRAPHY

Tiffany, L. H. 1930. The Oedogoniaceae; a monograph including all the known species of the genera *Bulbochaete*, *Oedocladium*, and *Oedogonium*. Pp. 1-188. Pl. 1-64. Columbus, Ohio.

———. 1937. Oedogoniales. North American Flora. 11(1): 1-102. Pl. 1-36.

———. 1939. The Oedogoniales of Illinois. Transactions of the Illinois State Academy of Science. 32(2): 90.