

BRUSH LAKE ALGÆ.

LUMINA C. RIDDLE.

The following list of Algæ was identified from material collected at Brush Lake, Champaign Co., O., during the Fall of 1902. In addition to the species included in the lists published by Dr. Kellerman in his "Proposed Algological Survey of Ohio," Ohio Nat. 2: 219-223; by A. J. Pieters in "Plants of Western Lake Erie;" Bull. U. S. Fish Comm. 1901; 57-79; Julia W. Snow, "Plankton Algæ of Lake Erie;" Bull. U. S. Fish Comm. 1902; 369-394; and in the writers' list of "Algæ from Sandusky Bay," Ohio Nat. 3: 317, there were found seven new species for the state. These are indicated by the letter "n" after the name. The nomenclature is that used in DeToni Sylloge Algarum.

RHODOBACTERIACEÆ.

Thiocystis violaceæ Weinogradsky. n.

BEGGIATOACEÆ.

Beggiatoa alba (Vaucher) Trevisson.

CHROOCOCCACEÆ.

Chroococcus turgidus Kuetz. & Merismopedia glauca (Ehrenb) Næg. n.
Næg. n. Merismopedia convoluta Breb.
Gomphosphæria aponina Kuetz.

OSCILLATORIACEÆ.

Oscillatoria frœlichii Kg. Oscillatoria limosa Ag.
Oscillatoria elegans Ag. Microcoleus lacustris (Rabenh) Farlow. n.

NOSTOCEACEÆ.

Nodularia spumigena Mertens. Anabaena flos-aquæ Breb.

TETRASPORACEÆ.

Botryococcus braunii Kuetz.

CLADOPHORACEÆ.

Cladophora declinata fluitans (Kuetz) Hansg.

VOLVOCEACEÆ.

Pandorina morum (Muell) Bory. Spondylomorom quaternarium
Ehrenb.

PLEUROCOCCACEÆ.

Rhaphidium aciculare (A Br) Scenedesmus bijugatus (Turp) Kuetz.
Rabenh. "quadricauda (Turp) Breb.
Rhaphidium convolutum (Corda) Tetrædron enorme (Næg) Hansg.
Rabenh.

SORASTRACEÆ.

Cœlastrum microporum Næg. Cœlastrum cambricum Archer.

HYDRODICTYACEÆ.

Pediastrum boryanum (Turp) Pediastrum tetras (Ehrenb) Ralfs.
Menegh.

DESMIDIACEÆ.

Desmidium aptogonium (Kuetz)	Pleurotanium trabecula (Ehrenb)
Lagerh.	Næg.
Hyalotheca dissiliens (Smith)	Cosmarium nitidulum DeNot.
Breb.	“ margaretiferum (Turp)
Closterium acerosum Ehrenb.	Menegh.
“ ensis Delph. n.	“ botrytis(Bory) Menegh.
“ lunula (Muell) Nitzsche.	“ brebissonii Menegh.
“ parvulum Næg.	“ biretum Breb.
“ moniliferum (Bory)	Staurastrum incisum Wolle. n.
Ehrenb.	“ leptocladium Nordst. n.
Closterium liebleinii Kuetz	“ fusiforme Wolle. n.
