

NEW ALGAL RECORDS FOR KNOX COUNTY, ILLINOIS

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ABSTRACT.—Thirty-six new algal records including six previously unreported in the state of Illinois are recorded for Knox County.

Slightly more than one year ago, Ricker, et al. (1964) reported sixty-nine new algal records for Knox County. Records reported in this paper were observed in collections taken from two sites mentioned in the earlier report (Ricker, et al., 1964) and from a number of new locations: Snake Den Creek, three miles south of Victoria near the Knox College Field Station, Green Oaks; Lake Bracken, an artificial impoundment five miles south of Galesburg; an artificial impoundment in East Galesburg; a water-filled ditch on a railroad right-of-way one-fourth mile east of the Galesburg Municipal Airport; and Railroad Pond, an artificial impoundment one mile west of Rio.

These new records together with those reported earlier (Houdek, 1923; Ricker, et al., 1964) comprise a list of 105 recognized algal taxa for Knox County. Taxa in this list are arranged according to Smith (1950). New records for the state of Illinois are preceded by an asterisk. Preserved samples are on deposit in the herbarium of Southern Illinois University.

Chlorophyceae

- Carteria multifilis* (Fresenius) Dill. Snake Den Creek, intermittent pond, October 11, 1964, 239.
- Phacotus lenticularis* (Ehrenberg) Stein. Lake Bracken, October 16, 1964, 240.
- Pandorina morum* Bory. Lake Storey, October 5, 1964, 238.
- Stigeoclonium glomeratum* (Hazen) Collins. Lake Bracken, intermittent pond below dam, April 30, 1965, 243.

- Stigeoclonium lubricum* (Dillwyn) Kuetzing. Green Oaks, main lake, May 1, 1965, 252.
- Cladophora glomerata* (Linnaeus) Kuetzing. Green Oaks, main lake, May 1, 1965, 247.
- Rhizoclonium hieroglyphicum* (Agardh) Kuetzing. Railroad Pond, attached to rock in running water below spillway, May 15, 1965, 251.
- Pediastrum tetras* (Ehrenberg) Ralfs. Green Oaks, main lake, June 10, 1965, 255.
- **Crucigenia fenestrata* Schmidle. Lake Bracken, October 16, 1964, 240.
- Scenedesmus acutiformis* Schroeder. Water-filled ditch on railroad right-of-way one-fourth mile east of the Galesburg Municipal Airport, May 11, 1965, 248.
- Closterium diana* Ehrenberg. Railroad Pond, intermingled with *Rhizoclonium hieroglyphicum* in running water below spillway, May 15, 1965, 251.
- Cosmarium granatum* Brebisson. Lake Bracken, October 16, 1964, 240.
- Cosmarium punctulatum* Brebisson. Lake Bracken, October 16, 1964, 240.

Euglenophyceae

- **Euglena alata* Thompson. Lake Storey, October 5, 1964, 238.
- Phacus acuminatus* Stokes. Green Oaks, main lake, May 1, 1965, 246.
- **Phacus curvicauda* Swirenko. Lake Storey, October 5, 1964, 238.
- Phacus longicauda* (Ehrenberg) Dujardin. Lake Storey, October 5, 1964, 238.
- Phacus spiralis* Allegre & Jahn. Lake Bracken, October 16, 1964, 240.
- Phacus torta* (Lemmermann) Skvortzow. Lake Storey, October 5, 1964, 238.
- Trachelomonas abrupta* (Swirenko) Deflandre. Green Oaks, main lake, May 1, 1965, 246.

**Trachelomonas bulla* (Stein) Deflandre.
Lake Bracken, intermittent pond below dam, April 30, 1965, 243.

Trachelomonas cylindrica Ehrenberg.
Lake Storey, October 5, 1964, 238.

Trachelomonas robusta Swirenko.
Green Oaks, main lake, May 1, 1965, 246.

Trachelomonas scabra var. *torta* Weik & Mohlenbrock. Lake Bracken, October 16, 1964, 240.

Trachelomonas volvocina var. *punctata* Playfair. Lake Storey, October 5, 1964, 238.

Trachelomonas volvocinopsis Swirenko.
Lake Storey, October 5, 1964, 238.

Xanthophyceae

Tribonema bombycinum (Agardh) Derbes & Solier. East Galesburg, artificial impoundment, April 5, 1965, 241.

Vaucheria geminata (Vaucher) DeCandolle. Snake Den Creek, October 11, 1964, 239.

**Vaucheria orthocarpa* Reinsch. Green Oaks, main lake, May 1, 1965, 246.

Vaucheria terrestris (Vaucher) DeCandolle. Lake Bracken, on a moss colony attached to creek bank below spillway, April 30, 1965, 245.

Chrysophyceae

Synura uvella Ehrenberg. Snake Den Creek, October 11, 1964, 239.

Dinophyceae

Peridinium cinctum (Mueller) Ehrenberg. Green Oaks, main lake, June 10, 1965, 255.

Myxophyceae

**Merismopedia tenuissima* Lemmermann. Lake Storey, October 5, 1964, 238.

Oscillatoria agardii Gomont. Lake Bracken, attached to face of spillway, April 30, 1965, 244.

Oscillatoria princeps Vaucher. Lake Storey, October 5, 1964, 238.

Lyngbya spirulinoides Gomont. Green Oaks, main lake, April 22, 1965, 242.

LITERATURE CITED

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