

# The Iowa Naturalist

Volume 1

EDITED BY T J FITZPATRICK

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1905

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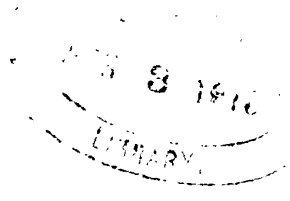
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Iowa City, Iowa.

May 30, 1903.

*Draparnaldia glomerata* (Vauch.) Ag. In ponds and streams, common during the fall of 1903 but not since observed.

#### OEDOGONIACEAE

*Oedogonium borisianum* (Le Cl.) Wittr. In ponds with *Zygnema*; April 27, 1905.

*Oedogonium polymorphum* Wittr. and Lund. With the preceding species; April 27, 1905.

#### COLEOCHAETACEAE

*Coleochaete orbicularis* Pringsh. In aquarium; March 11, 1904.

Lamont, Iowa.

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## On Some Species of Fossils from the Hackberry Group of Iowa

BY CLEMENT L. WEBSTER, M. SC.

As a result of more than twenty-five years of collecting from the Hackberry Group of Iowa, I have secured the largest and finest series of the various fossil forms ever brought together from this group, a careful study of which reveals the presence of many new and undescribed species and varieties not yet known to occur elsewhere, and forms which, together with others, necessitates the separation of this group from all other natural divisions of the Iowa Devonian.

### *Naticopsis magnifica* new species.

Shell very large and heavy, conical, expanding rapidly from the blunt apex; volutions five or six, rounded, angular or slightly flattened, body volution evenly and strongly inflated, forming more than half the height of the entire shell; suture profound; aperture very large, subcircular; outer lip simple, thick; inner lip much thickened, and flattened throughout; umbilicus closed; surface, where not too much worn, crossed by fine and medium strong lines of growth.

This very rare form is the largest Gastropod known to occur in the Hackberry Group, although there is another shell, of as yet undetermined species, occurring in this group, that is very nearly as large.

Position and locality.—Upper portion of the Middle Hackberry, southeastern part of Cerro Gordo County, Iowa. Now in the author's collection.

**Platystoma antiquis** new species.

Shell medium size; subovate to semicircular in general outline when viewed from above; spire elevated above the body volution, and proportionately somewhat more so in the young than in the adult forms; volutions three; the outer volution expanding toward the aperture, and large and broad at the aperture; aperture large, circular to semicircular or obliquely subovate, judging from the cast; the inner lip appears to have been reflexed in both young and old specimens. Surface markings unknown, as this species is known only from the cast. In the adult individuals the front portion of the body volution for some distance back along the suture is quite distantly situated from the next volution, but in young specimens the suture is closed.

This species, which occurs only in the form of well preserved casts, is not rare in the Hackberry, and has a rather wide geographic range in this group.

Judging from the casts alone, which is all that can be done, the writer is unable to associate this form with any other described species, although it appears to be more or less closely related to one or two New York Devonian forms.

Position and locality:—Middle Beds of the Hackberry Group, at Hackberry, Iowa. Now in the author's collection.

Charles City, Iowa.

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**The Webster County Botanical Club**

By M. P. SOMES.

Fort Dodge, being situated just at the border land between the open prairie, the wooded river valley, and the rock country of the Coal Measures, naturally has a wonderful flora; this is still more enhanced by the fact that the city and much of the surrounding country is underlaid by a bed, many feet thick, of that same "land-plaster" eastern farmers buy to enrich their land.

Noticing the extent and variety of the flora of this region, a number of enthusiastic botanists here decided to organize, that they might better work out the botany of Webster County. Accordingly, late in December, 1904, The Webster County Botanical Club was organized with the following officers: President, O. M. Oleson; Vice-President and