

The Iowa Naturalist

Volume 1

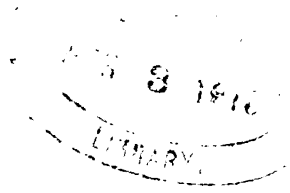
EDITED BY T J FITZPATRICK

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Albany

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Iowa City, Iowa.

Paper, octavo in size and fold, pp. i-xviii, 1-117, portraits, plates.

A portion of the edition has the line: | Bulletin of the Iowa state horticultural society | ——— | preceding the above title.

The principal papers are: "The Presidents Address" by Professor T. H. Macbride; "Forty Years Experience in the planting of Groves in Iowa" by William Larrabee; "Forestry in Northeastern Iowa" by Ellison Orr; "The Farmers and the Wood-lot" by E. E. Faville; "The Farm Timber-lot" by Elmer Reeves; "Reforestation in Iowa" by B. Shimek; "The Planted Groves of Iowa" by H. P. Baker; "Practical Forestry for Iowa" by J. S. Trigg; "What the College Has Done for Park and Forestry During the Last Thirty Years" by L. H. Pammel; "The Pruning of Our Ornamental Trees" by Bruce Fink; "The Preservation of Iowa's Lakes" by Lewis E. Ashbaugh; "School Gardens" by George Mogridge; "What Can the Rural Schools in Iowa do to Improve Their School Grounds," by Richard C. Barrett; "Park Development as an Expression of Public Sentiment" by A. B. Storms; "Dr. A. S. Welch" by L. H. Pammel; "The Passing of Professor J. L. Budd" by N. E. Hanson; and "A Tribute from the State College" by A. T. Erwin.

The volumes are well edited, the articles are all good, the paper and press work, save the illustrations some of which are not clear, are all that need be desired. The publications as a whole reflect credit upon the organization which sends them forth.

Iowa City, Iowa.

Description of a New Genus of Gastropod from the Hackberry Group of Iowa

BY CLEMENT L. WEBSTER, M. SC.

To one who has given much attention to the collection and study of the fossil forms occurring in the rocks of the Hackberry Group, it is exceedingly difficult to explain why certain geologists still adhere to the expressed opinion that, either on paleontological or lithological grounds, this group can be, in any reasonable or natural way, considered as an "upper member of the Hamilton Group."

WESTERNA New Genus.

Shell rather large and conical, cylindrical, spire high; volutions more or less strongly oblique, usually five to ten in number, slightly flattened or gently rounded and more strongly inflated at or below the centre; shell substance very thick throughout, sutures deep and well defined; aperture circular to ovate in outline; surface smooth or marked by minute oblique lines corresponding to lines of growth.

The description of this genus is based upon the species *Loxonema gigantea*, *L. owenensis*, and *L. crassum*, described by me in 1888 (Notes on the Rockford Shales; American Naturalist, vol. xxii, pp. 444-446, Philadelphia, 1886.) Since that time, however, I have secured additional material representing these forms which reveals that at that time they were erroneously referred to the genus *Loxonema* under the impression that the surface ornamentation of the specimens in hand at the time had been eroded, leaving the surface nearly or quite smooth.

It has been stated regarding the three species mentioned, that, "They belong with the peculiar form called *Naticopsis gigantea* by Hall and Whitfield; and it is quite possible that this group will have to be assembled under a new generic description."¹ I have collected from the Hackberry Group great numbers of all forms and variations of *Naticopsis gigantea*, and have the largest and most complete collection of the other three species ever secured; and after a careful and detailed study of all these forms, I feel confident in making the assertion that the uniting of these two groups "under one generic description," could not be brought about without giving undue latitude to the genus, and doing violence to a natural classification as we now understand it.

Charles City, Iowa.

Decatur County Algae

By J. P. ANDERSON.

During the Spring of 1903, the writer began to give some attention to the algae of the county above named but has not done systematic work with the idea of having the results published. Recently the thought occurred to the writer that the publication of a list of the species identified might be of benefit to those working on the same groups elsewhere and would add definite localities to the ranges of the species

¹ Iowa Geological Survey, Vol. VII, page 166, footnote.