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CONODONTS FROM THE KINDERHOOKIAN SERIES,

WASHINGTON COUNTY, IOWA

JOSEPH J. STRAKA

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ABSTRACT. -- Conodonts are described from the English River, McCraney, Prospect Hill and Wassonville Formations of Washington County, Iowa. These formations constitute the Kinderhookian Series in this area. A sparse conodont fauna was recovered from the Burlington Formation, the basal Valmeyeran Series representative in the area, and is described and illustrated. The conodont faunas include 8 genera comprising 24 species. Long ranging bar-like genera are not included in this study.

by

Joseph John Straka

Conodonts are rare in the English River Formation, but they support a previous age assignment of this unit to the Kinderhookian Series. This study is considered a thesis submitted in partial fulfillment of the requirements for the degree of Master of Science, in the Department of Geology, in the Graduate College of the University of Iowa at Burlington, Iowa. Conodont species indicative of the *Carman gullia* sub-zone occur in the McCraney Formation in the upper part of the McCraney Formation and the Prospect Hill Formation at Burlington. The McCraney equivalent in north-

June, 1966

Chairman: Associate Professor Brian F. Glenister