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Lower Pennsylvanian (Morrowan) ammonoids from the
North American midcontinent

WALTER L. MANGER and W. BRUCE SAUNDERS



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**LOWER PENNSYLVANIAN (MORROWAN)
AMMONOIDS FROM THE
NORTH AMERICAN MIDCONTINENT**

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DEDICATION

This study is dedicated to the memory of the late Dr. James Harrison Quinn, Professor of Geology at the University of Arkansas from 1955 to 1974, and chairman of that department from 1959 to 1971. The collections of ammonoids, the hundreds of localities, and the basic ammonoid biostratigraphic framework upon which this study is based are largely the result of his tireless field investigations in northern Arkansas. In addition to his significant contributions to paleontology and to geology, Professor Quinn's energetic commitment to independent, original research will remain an inspiration to his colleagues and former students.

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