

Part II of II

JOURNAL OF PALEONTOLOGY

THE PALEONTOLOGICAL SOCIETY
MEMOIR 40

Ordovician Trinucleid Trilobites of the
Prague Basin, Czech Republic

FREDERICK C. SHAW



Memoirs of The Paleontological Society are occasional publications consisting of monographs and symposia that are too extensive for publication in the *Journal of Paleontology* as part of the regular issues. Ordinarily, memoirs are published as supplements to a regular issue of the *Journal*. Inquiries concerning submittal of manuscripts for inclusion in the Memoir Series may be made to the Managing Editor of the *Journal of Paleontology*.

For information on cost and availability of back numbers of the Memoir Series, please contact: SEPM Business Office, P.O. Box 4756, Tulsa, OK 74159, for numbers 1 (1968) through 16 (1985) or *Journal of Paleontology*, P.O. Box 1897, Lawrence, KS 66044-8897, for number 17 (1986) and following.

OFFICERS OF THE SOCIETY

For the year ending November, 1995

President

CRAIG G. BLACK, Los Angeles, CA

President-Elect

J. JOHN SEPKOSKI, JR., Chicago, IL

Past-President

STEVEN M. STANLEY, Baltimore, MD

Secretary

THOMAS W. (WOODY) HENRY
Box 28200-16
Lakewood, CO 80228-3108

Treasurer

JOHNNY A. WATERS
Dept. of Geology
West Georgia College
Carrollton, GA 30118

Program Coordinators

MICHAEL R. SANDY, Dayton, OH
MARY L. DROSER, Riverside, CA

Managing Editor

DANIEL B. BLAKE, Urbana, IL

Associate Editors

DOUGLAS J. BREWER, Urbana, IL
RALPH L. LANGENHEIM, JR., Urbana, IL

Technical Editors

JACK B. BAILEY, Macomb, IL
DAVID K. ELLIOTT, Flagstaff, AZ
FRANK R. ETTENSOHN, Lexington, KY
PATRICIA H. KELLEY, Grand Forks, ND
ELLEN COMPTON-GOODING, Martinsville, VA
THOMAS E. GUENSBERG, Rockford, IL
DEBORAH E. NEWMAN, Provo, UT
JACK PASHIN, Tuscaloosa, AL
DONALD R. PROTHERO, Los Angeles, CA
ANNE L. RAYMOND, College Station, TX
MICHAEL R. SANDY, Dayton, OH

Paleobiology Co-Editors

DAVID L. MEYER and ARNOLD I. MILLER
Cincinnati, OH

Special Publications Co-Editors

WILLIAM I. AUSICH and LOREN E. BABCOCK
Columbus, OH

Councilors

DANA H. GEARY, Madison, WI
PETER D. WARD, Seattle, WA

Section Chairpersons

North-Central: LOREN E. BABCOCK
Columbus, OH
Northeastern: CONSTANCE M. SOJA
Hamilton, NY
Pacific Coast: CHARLES MARSHALL
Los Angeles, CA
Rocky Mountain: ROBERT C. THOMAS
Dillon, MT
Southeastern: MICHAEL A. GIBSON
Martin, TN
South-Central: ARTHUR B. BUSBEY III
Fort Worth, TX

The Paleontological Society

MEMOIR 40

**ORDOVICIAN TRINUCLEID TRILOBITES OF THE
PRAGUE BASIN, CZECH REPUBLIC**

FREDERICK C. SHAW

Department of Geology and Geography,
Lehman College and the Graduate Center of C.U.N.Y., Bronx, 10468

Copyright © 1995 *by*
THE PALEONTOLOGICAL SOCIETY, INC.
MAY 1995

CONTENTS

INTRODUCTION	1		
BIOSTRATIGRAPHY, BIOGEOGRAPHY AND PHYLOGENIES OF BOHEMIAN TRINUCLEIDS	1		
PALEOECOLOGY	1		
SYSTEMATIC PALEONTOLOGY	3		
TAXONOMIC CONVENTIONS	3		
<i>Bergamia</i> Whittard, 1955	3		
<i>Bergamia agricola</i> (Hörbinger, 1986)	3		
<i>Bergamia praecedens</i> (Klouček, 1916)	5		
<i>Declivolithus</i> Přibyl and Vaněk, 1967	7		
<i>Declivolithus alfredi</i> (Želízko, 1906)	7		
<i>Nankinolithus</i> Lu, 1954	7		
<i>Nankinolithus granulatus</i> (Wahlenberg, 1818)	7		
<i>Tretaspis</i> M'Coy, 1849	9		
<i>Tretaspis anderssoni</i> Størmer, 1945	9		
<i>Marrolithus</i> Bancroft, 1929	9		
<i>Marrolithus ornatus</i> (Sternberg, 1833)	11		
<i>Marrolithus paulisper</i> Přibyl and Vaněk, 1969	13		
<i>Deanaspis</i> Hughes, Ingham, and Addison, 1975	13		
<i>Deanaspis goldfussii</i> (Barrande, 1846)	15		
<i>Deanaspis vysocanensis</i> (Přibyl and Vaněk, 1980)	17		
<i>Onnia</i> Bancroft, 1933	19		
		<i>Onnia superba superba</i> (Bancroft, 1929)	19
		<i>Onnia ultima</i> (Barrande, 1852)	20
		<i>Marekolithus</i> nov.	20
		<i>Marekolithus kosoviensis</i> (Marek, 1952)	20
		TABLE 1. Fringe pit counts, <i>Onnia ultima</i>	20
		REFERENCES	21
		LOCALITIES IN THE PRAGUE BASIN	22
		FIGURES	
		FIGURE 1. Location map, Prague Basin	2
		FIGURE 2. Stratigraphic distribution, trinucleid species in the Prague Basin	3
		FIGURES 3–8. Pit count histograms, Prague Basin trinucleid trilobites	4–5
		FIGURE 9. <i>Bergamia</i>	6
		FIGURE 10. <i>Bergamia</i> , <i>Declivolithus</i>	8
		FIGURE 11. <i>Declivolithus</i> , <i>Marrolithus</i>	10
		FIGURE 12. <i>Marrolithus</i> , <i>Nankinolithus</i> , <i>Tretaspis</i>	12
		FIGURE 13. <i>Deanaspis</i>	14
		FIGURE 14. <i>Deanaspis</i>	16
		FIGURE 15. <i>Onnia</i> , <i>Marekolithus</i>	18