



Brief Communication

On the type material of the Upper Ordovician mitrate “carpoid” *Diamphidiocystis drepanon* Kolata & Guensburg (Echinodermata: Stylophora)

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Abstract: We document the formal transfer of the holotype, seven paratypes, and two referred specimens of the mitrate “carpoid” *Diamphidiocystis drepanon* Kolata & Guensburg (Echinodermata: Stylophora) from the Department of Geology, Southern Illinois University (SIU) to the paleontological collection of the Illinois State Geological Survey (ISGS) at the PRI Center for Paleontology. A tabulated list of the specimens cross-referenced with their new ISGS numbers is provided. The specimens come from the Cincinnati (Upper Ordovician) Orchard Creek Shale (Maquoketa Group) near Thebes in Alexander County, southern Illinois.

Key words: “Homalozoa,” Mitrata, Anomalocystitidae, *Diamphidiocystis*, type specimens, collections.

Introduction

The “carpoid” *Diamphidiocystis drepanon* (Echinodermata: Stylophora: Mitrata) was described by Kolata & Guensburg (1979) from the Cincinnati (Upper Ordovician) Maquoketa Group of southern Illinois. The type series comprises 31 specimens from the Orchard Creek Shale and Girardeau Limestone in the vicinity of Thebes, Alexander County, southern Illinois. The material was originally deposited in the collections of the Department of Geology at Southern Illinois University (the holotype, seven paratypes, and two referred specimens), the Department of Geology at the University of Illinois at Urbana-Champaign (12 paratypes), and the Illinois State Geological Survey (11 paratypes), though all specimens have been housed at ISGS since their original publication. Here, we document the formal transfer of the SIU material to the PRI Center for Paleontology where they are now deposited in the collection of the Illinois

State Geological Survey (ISGS). A list of the transferred specimens with their original SIU numbers and new ISGS numbers is presented in Table 1.

Table 1. Type material of *Diamphidiocystis drepanon* Kolata & Guensburg, 1979 (Echinodermata: Stylophora: Mitrata) transferred from Southern Illinois University to the Illinois State Geological Survey collection at the PRI Center for Paleontology. Original SIU numbers are given together with new ISGS numbers.

Specimen type	Original SIU number	New ISGS number
Holotype	SIU-4208	ISGS-PAL22-100
Paratype	SIU-4203	ISGS-PAL22-101
Paratype	SIU-4204	ISGS-PAL22-102
Paratype	SIU-4205	ISGS-PAL22-103
Paratype	SIU-4206	ISGS-PAL22-104
Paratype	SIU-4207	ISGS-PAL22-105
Paratype	SIU-4209	ISGS-PAL22-106
Paratype	SIU-4212	ISGS-PAL22-107
Paratype	SIU-4210	ISGS-PAL22-108
Paratype	SIU-4211	ISGS-PAL22-109

All specimens are from Locality 1 of Kolata & Guensburg (1979): Orchard Creek Shale (Maquoketa Group, Cincinnati, Upper Ordovician); east bank of the Mississippi River, 1.6 km north of Thebes, Alexander County, Illinois, USA (SE¼ 5, T15S, R3W, Thebes Quadrangle; 37.23576, -89.455918).

References

Kolata, D.R. & Guensburg, T.E. 1979. *Diamphidiocystis*, a new mitrate “carpoid” from the Cincinnati (Upper Ordovician) Maquoketa Group in southern Illinois. *Journal of Paleontology* **53**: 1121–1135.