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Geology

NEW SERIES, NO. 19

Catalog of Type, Figured, and Referred Mazon Creek Fossils in Private Collections

Mary R. Carman

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References should be typed in the following form:

Croat, T. B. 1978. Flora of Barro Colorado Island. Stanford University Press, Stanford, Calif., 943 pp.

Grubb, P. J., J. R. Lloyd, and T. D. Pennington. 1963. A comparison of montane and lowland rain forest in Ecuador. 1. The forest structure, physiognomy, and floristics. *Journal of Ecology*, 51: 567-601.

Langdon, E. J. M. 1979. Yage among the Siona: Cultural patterns in visions, pp. 63-80. In Browman, D. L., and R. A. Schwarz, eds., *Spirits, Shamans, and Stars*. Mouton Publishers, The Hague, Netherlands.

Murra, J. 1946. The historic tribes of Ecuador, pp. 785-821. In Steward, J. H., ed., *Handbook of South American Indians*. Vol. 2, *The Andean Civilizations*. Bulletin 143, Bureau of American Ethnology, Smithsonian Institution, Washington, D.C.

Stolze, R. G. 1981. Ferns and fern allies of Guatemala. Part II. Polypodiaceae. *Fieldiana: Botany*, n.s., 6: 1-522.

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Table of Contents

ABSTRACT	1
INTRODUCTION	1
Abbreviations	3
CATALOG	3
ACKNOWLEDGMENTS	23
LITERATURE CITED	23
INDEX	27

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Abstract

Fossil-bearing concretions found in the Francis Creek Shale of the Carbondale Formation near Mazon Creek, Illinois, have attracted international attention. The abundant and diverse biota of this Pennsylvanian delta complex has been studied for almost 150 years, resulting in many taxonomic descriptions. Numerous Mazon Creek fossils in private collections have been designated as type, figured, or referred specimens. The locations of privately owned specimens are less permanent than those of institutional collections.

A review of 93 scientific articles on Mazon Creek fossils published between 1844 and 1987 indicates that 426 specimens belong to 69 private collectors. Because published (type, figured, and referred) specimens form the foundation of paleontology, knowing the current locations of these specimens is important. This paper, based on contacts with most of the 69 private collectors, provides current information on locations of their collections.

Introduction

Fossil-bearing concretions (nodules) are found in the Francis Creek Shale of the Carbondale Formation of Illinois. Fossils in these concretions are termed "Mazon Creek fossils" because they were first collected along the banks of Mazon Creek in Grundy County in northeastern Illinois. Similar concretions were later found in other parts of Grundy County, as well as in Will and Kankakee counties. These fossils have drawn international attention for more than a century. The abundant and diverse biota of this Pennsylvanian delta com-

plex along the northern coast of the Illinois Basin was first studied by Agassiz (1844); Nitecki (1979) provides a history of subsequent collecting and research. A total of 96 "natural" floral species (Pfefferkorn, 1979) and 325 faunal species (S. R. Sroka, pers. comm., 1987) are estimated to occur in this area.

Private collectors have always played an important role in fossil study by recovering concretions and sharing their finds with paleontologists. Researchers have designated privately owned Mazon Creek fossils, like fossil specimens in institutions, as type, figured, or referred specimens. Consequently, published Mazon Creek fossils are housed in museums, universities, and private collections.

The International Codes of Botanical and Zoological Nomenclature recommend that all type specimens be preserved in permanent institutions. Article 72 of the International Code of Zoological Nomenclature (Ride et al., 1985, p. 147) states that name-bearing types are to be "held in trust for science by all zoologists and by persons responsible for their safe keeping." Furthermore, Recommendation 72D gives the responsibilities for preserving type specimens to museums or similar institutions. The International Code of Botanical Nomenclature (Voss et al., 1983, p. 9) states in Recommendation 7A: "It is strongly recommended that the material on which the name of a taxon is based, especially the holotype, be deposited in a permanent, responsible institution and that it be scrupulously conserved." Paleontologists have not always followed the recommendations of the International Codes; scientists studying Mazon Creek taxa are no exception. The fact that there

are no recommendations for the maintenance of figured and referred specimens contributes further to the problem.

The purpose of this paper is to compile a list of the current location of all published Mazon Creek fossils cited as belonging to private collectors. In a review of approximately 450 articles on Mazon Creek fossils published between 1844 and 1987, I found that 93 articles cited 426 specimens as belonging to 69 private collectors. Knowing the current location of all published specimens, especially types, is intrinsic to the science of paleontology. Since figured and referred specimens may be as essential as type specimens, they also are included in this catalog.

I attempted to contact all of the private collectors in writing, using addresses obtained from Field Museum of Natural History, Northeastern Illinois University, or other collectors. A few collectors chose not to respond or could not be located. I sent as many as four letters to individuals who failed to respond. I also asked collectors for their assistance in finding other collectors I could not locate. Of the 69 cited private collectors, 51 were located, seven could not be located, and 11 are deceased. Of the 51 who were located, 47 confirmed their holdings or indicated the current whereabouts of each specimen, and seven chose not to respond. Subsequent to publication, some specimens have changed ownership. Therefore, in addition to the 69 private collectors cited, eight additional private collectors (three of whom wish to remain anonymous and five of whom verified their holdings) and 11 institutions have become owners. Of the private collections of the 11 deceased owners, nine were located.

The list of private collectors in this catalog does not include all of the individuals who have contributed specimens for scientific study. Also, this catalog does not list all privately owned specimens that were studied by researchers. Because many collectors donated their specimens to museums before the research was published, these specimen locations are recorded in museum collections. Only those specimens actually cited in publications as belonging in private collections are listed herein.

Of the 426 specimens cited as privately owned and listed in this catalog, 165 now belong to museums, 244 are known or thought to be in private collections, and 17 are known to be lost. Three specimens were incorrectly cited in publications as museum specimens when, in fact, they are privately owned. Of the privately owned Mazon Creek type specimens listed in this catalog, there are 38

holotypes, 18 paratypes, 7 syntypes, 1 lectotype, and 1 paralectotype. Of the 38 holotypes originally cited as privately owned, 20 are known to be in museums, 15 are known or thought to be in private collections, and three are known to be lost.

Given varying amounts of time, a private collection often ends up via gift or sale in a museum or university. Only under such stabilized housing can one expect to find important specimens in the future. Private collectors were asked whether they had plans for their published fossils: 10 replied no and 16 replied yes. Of the 16 affirmative responses, two planned to give their fossils to a relative; 10 planned to donate their fossils to a museum, university, or state geological survey; and four planned to sell their fossils. The collections of those private owners who were not located or who chose not to respond to this catalog should be considered officially lost.

Some of the early students of the Mazon Creek biota made their own collections. I chose not to list the collections of deceased professional paleontologists (Langford, Gurley, Scudder, and Worthen) who subsequently contributed their privately owned specimens to their respective institutions. Thus, the Langford collection is at ISM and FMNH; Gurley collection is at FMNH (UC) and USNM (Lacoe collection); Scudder collection is at MCZ and USNM; and Worthen collection is at at least four institutions: USNM, UMMP, UI-Urbana (see Hansman & Scott, 1967), and ISGS (see Kent, 1982).

The catalog is arranged alphabetically by the collector's last name, followed by status of collection, collector's address, new collector/collection (indicated by "[]"), and new address, if applicable. Within a private collection, specimens are listed alphabetically by genus and species, then numerically. Collectors who responded chose how they would like their name, or name with address, listed. Addresses for those collectors who did not want their addresses listed herein are available through the author. For those collectors who chose not to respond, the status of their fossils could not be confirmed.

Each cited specimen is accompanied by the following information: name as published; author and year of publication (I did not cite all editions of books and articles; however, in all cases, an effort was made to cite the first edition); designation (type, figured, or referred specimen); private collector's specimen number and/or current catalog number (separated by "→" when changed from one to the other); citation, including author, year, page of description or reference, illustrations, and

measurement tables; specific locality information; remarks; and subsequent species assignment and citation. The format is as follows:

COLLECTOR [Status]
 Address
 City, state, zip
 ↓
 NEW COLLECTOR/COLLECTION
 Genus species Author, year
 Designation: number → subsequent information
 Citation
 Locality
 Remarks
 = Genus species
 Designation
 Citation
 Remarks

The geologic horizon (the same for all specimens) is Pennsylvanian, Westphalian D, Carbondale Formation, Francis Creek Shale. The locality generally is Will, Grundy, or Kankakee counties, Illinois, U.S.A. Pit 11 (near Braidwood, Illinois), the most common locality listed in the catalog, is a large area of spoil heaps once mined by the Peabody Coal Company and now owned by Commonwealth Edison.

Abbreviations

AMNH American Museum of Natural History, New York
 FMNH Field Museum of Natural History, Chicago
 ISGS Illinois State Geological Survey, Champaign (now housed at ISM)
 ISM Illinois State Museum, Springfield
 MCP Mazon Creek Paleontology, Northeastern Illinois University, Chicago
 MCZ Museum of Comparative Zoology, Harvard University, Cambridge, Mass.
 UC University of Chicago, Chicago (now housed at FMNH)
 UI University of Illinois, Urbana
 UMMP University of Michigan Museum of Paleontology, Ann Arbor
 USNM United States National Museum, Smithsonian Institution, Washington, D.C.
 YPM Yale Peabody Museum, Yale University, New Haven, Conn.

Catalog

ADE, DICK AND DORIS [confirmed]
 ?*Jeletzkyia douglassae* Johnson & Richardson, 1968
 Figured specimen: unnumbered
 Saunders & Richardson, 1979: p. 351, text-fig. 10a–b
 No locality information.

AGAZZI, G. [no response]
Monura sp.
 Referred specimen: A3
 Kukalova-Peck, 1985: p. 944, no figs.
 No locality information.

ASHER, HELEN C. [confirmed]
 5821 N. Graceland Dr.
 Peoria, IL 61614
Belotelson magister (Packard, 1886)
 Referred specimen: HA00880
 Schram, 1974b: p. 32, no figs.
 Road-cut of Interstate 80 near Atkinson, Henry County, Illinois.

“*Elonichthys*” *peltigerus* Newberry, 1856
 Referred specimen: A 04804
 Schultze & Bardack, 1987: p. 7, no figs.
 Pit 11.

Essexella asherae Foster, 1979
 Paratype: unnumbered
 Foster, 1979: p. 234, text-fig. 16B
 Pit 11.

Essexella asherae Foster, 1979
 Paratype: unnumbered → missing
 Foster, 1979: p. 234, text-fig. 17C
 Pit 11.

Hesslerella shermani Schram, 1970
 Referred specimen: A 00700H
 Schram, 1974a: p. 96, no figs.
 Pit 11.

Tullimonstrum gregarium Richardson, 1966a
 Hypotype: HA 03252
 Foster, 1979: p. 282, text-fig. 6B
 Pit 11 or Sunspot Mine.

Unknown cubomedusan
 Figured specimen: HA 04639
 Foster, 1979: p. 227, text-fig. 8A
 Pit 11.

- BANDRINGA, RAYMOND E.** [unable to locate]
Eubleptus danielsi Handlirsch, 1906
 Referred specimen: 66PBSM11(3)
 Carpenter, 1983: p. 89, no figs.
 Pit 11.
- BIETZ, JERRY** [confirmed]
 132 Field Grove Ct.
 East Peoria, IL 61611
- Cryptocaris hootchi** Schram, 1974a
 Figured specimen: B509G
 Schram, 1974a; p. 101, text-fig. 4, meas. tbl.
 1
 No locality information.
- Hesslerella shermani** Schram, 1970
 Referred specimen: B443W
 Schram, 1974a: p. 98, no figs.
 No locality information.
- Hesslerella shermani** Schram, 1970
 Referred specimen: B514P
 Schram, 1974a: p. 96, no figs.
 No locality information.
- CARR, J. C.** [deceased]
 Morris, Illinois
- Cryptozoe problematicus** Packard, 1886
 Holotype: unnumbered → missing
 Packard, 1886: p. 380, text-figs. 1–3
 Morris, Illinois.
- Diplodiscus carri** Schuchert, 1897
 Holotype: unnumbered → missing
 Schuchert, 1897: p. 673, pl. 58, fig. 6
 Near Morris, Illinois.
 Holotype
 Bernard, 1897: p. 399, text-fig. 2 (after Schuchert, 1897)
- Dipeltis diplodiscus** Packard, 1885
 Figured specimen: unnumbered → missing
 Schuchert, 1897: p. 672, pl. 58, fig. 3
 Near Morris, Illinois.
 Figured specimen
 Bernard, 1897: p. 399, text-fig. 3 (after Schuchert, 1897)
- Prestwichia danae** Meek, 1867
 Figured specimen: unnumbered → missing
 Packard, 1885: p. 146, pl. 6, figs. 2–2a, meas.
 Mazon Creek, Illinois.
- Prestwichia danae** Meek, 1867
 Figured specimen: unnumbered → missing
 Packard, 1885: p. 146, pl. 5, figs. 3–3a (re-
 constructions)
 Mazon Creek, Illinois.
- CLAEYS, WALTER** [confirmed]
 R.R. 1
 Neponset, IL 61345
- Lithoneura clayesi** Kukalova-Peck, 1985
 Holotype: 5/1985
 Kukalova-Peck, 1985: p. 942, text-figs. 18–
 21, 29
 Mazon Creek, Illinois.
 Collector incorrectly cited as Clays.
- COOPER, ROBERT M.** [confirmed]
 5012 Pfeiffer Rd.
 Peoria, IL 61607
- “**Blob**”
 Figured specimens (12): unnumbered
 Nadasky, 1976: p. 11, text-figs. 2–6
 Pit 11, Will and Kankakee counties, Illi-
 nois.
- COZART, CHRIS** [confirmed]
 % Field Museum of Natural History
 Chicago, IL 60605
- Dasyleptus sp.**
 Figured specimen: P11E 751
 Kukalova-Peck, 1983: p. 1628, text-fig. 5
 Pit 11.
- ?Dasyleptus sp.**
 Figured specimen: P11E 757
 Kukalova-Peck, 1985: p. 944, text-figs. 23–
 27
 Pit 11.
 = “*Dasyleptus*” sp.
 Figured specimen
 Kukalova-Peck, 1987: p. 2332, text-figs. 10,
 14 (composites)
- “**Elonichthys**” *hypisilepis* Hay, 1900
 Referred specimens: P6B93, P6B618
 Schultze & Bardack, 1987: p. 8, no figs.
 Pit 6.
- “**Elonichthys**” *peltigerus* Newberry, 1856
 Referred specimens: P1B86, P11E787
 Schultze & Bardack, 1987: p. 7, no figs.
 Pits 1 and 11, respectively.
- Illinichthys cozarti** Schultze & Bardack, 1987
 Referred specimens: P11E83, AE349
 Schultze & Bardack, 1987: p. 6, no figs.
 Pit 11 and Astoria Mine, respectively.

- CRAMER, RICHARD X.** [confirmed]
1435 Marengo Ave.
Forest Park, IL 60130
- “*Elonichthys*” *peltigerus* Newberry, 1856
Referred specimen: 15
Schultze & Bardack, 1987: p. 7, no figs.
Pit 11.
- Titanoscorpio douglassi* Kjellesvig-Waering, 1986
Paratype: RC II
Kjellesvig-Waering, 1986: p. 240, text-fig.
108H
Pit 11, Will County, Illinois.
- Cephalopod**
Referred specimen: unnumbered
Saunders & Richardson, 1979: p. 359, no figs.
No locality information.
- DABASINSKAS, WALTER** [deceased]
Monticello, Wisconsin
↓
ANONYMOUS PRIVATE COLLECTION
- Escumasia roryi* Nitecki & Solem, 1973
Referred specimen: unnumbered
Nitecki & Solem, 1973: p. 904, no figs.
Pit 11, Will and Kankakee counties, Illi-
nois.
- Eubrodia dabasinskasi* Carpenter, 1967
Holotype: unnumbered
Carpenter, 1967: p. 73, text-fig. 4B, pls. 12–
14 (bottom figure)
Pit 11, Peabody Coal Company, section 4,
Braidwood, Illinois.
- Homaloneura dabasinskasi* Carpenter, 1964
Holotype: unnumbered
Carpenter, 1964: p. 121, pls. 15–16
Greer Earthmoving and Mechanics School,
4 miles north of Braidwood, Will County,
Illinois.
Collected June 1960.
Holotype
Carpenter, 1971: p. 1248, text-fig. 18
- Megapleuron zangerli* Schultze, 1977
Figured specimen: unnumbered
Schultze, 1977: p. 381, text-fig. 5
Pit 11.
- Neofouquea susanneae* Carpenter, 1967
Holotype: unnumbered
Carpenter, 1967: p. 64, text-fig. 2, pl. 9
Between Braidwood and Coal City, Will
County, Illinois.
- DAGGETT, KENNETH B.** [confirmed]
Morris, Illinois
- Mazonopteron wolfforum* Kukalova-Peck &
Richardson, 1983
Paratype: unnumbered
Kukalova-Peck & Richardson, 1983: p. 1677,
text-figs. 3–6, 9, 11
No locality information (collected 1960).
- DAMROW, DANIEL** [confirmed]
Mosinee, Wisconsin
↓
ANONYMOUS PRIVATE COLLECTION
- Cryptocaris hootchi* Schram, 1974a
Figured specimen: EX 1882
Schram, 1974a: p. 100, text-fig. 5, meas. tbl.
1
No locality information.
- “*Elonichthys*” *peltigerus* Newberry, 1856
Referred specimens: 141, unnumbered
Schultze & Bardack, 1987: p. 7, no figs.
No locality information.
Specimens previously belonged to DABASINSKAS
PRIVATE COLLECTION.
- Eubleptus danielsi* Handlirsch, 1906
Figured specimen: 236
Carpenter, 1983: p. 90, text-figs. 4–5
Pit 11.
- Gerarus danielsi* Handlirsch, 1906
Figured specimen: DMRW 1
Burnham, 1983: p. 17, text-fig. 6a (composite)
Mazon Creek, Illinois.
Specimen previously belonged to DABASINSKAS
PRIVATE COLLECTION; obverse and reverse
halves.
- Gerarus vetus* Scudder, 1885
Referred specimen: DMRW 2
Burnham, 1983: p. 14, no figs.
Mazon Creek, Illinois.
Specimen previously belonged to DABASINSKAS
PRIVATE COLLECTION; obverse and reverse
halves.
- Hesslerella shermani* Schram, 1970
Figured specimen: EX 1881
Schram, 1974a: p. 96, text-fig. 1
No locality information.
- Paucijaculum samamithion* Schram, 1973b
Referred specimen: EX 923
Schram, 1973b: p. 987, no figs.
No locality information.

Praelepas damrowi Schram, 1975

Paratype: EX 386

Schram, 1975: p. 928, no figs.

Pit 11, Peabody Coal Company, Will,
Grundy, and Kankakee counties, Illinois.

Praelepas damrowi Schram, 1975

Paratype: EX 387

Schram, 1975: p. 928, no figs.

Pit 11, Peabody Coal Company, Will,
Grundy, and Kankakee counties, Illinois.

DANIELS, L. E. [deceased]

Rolling Prairie, Indiana

Alloscorpium danielsi (Petrunkevitch, 1913)

Holotype: unnumbered (obverse half → UMMP
7216)

= *Eoscorpium danielsi* Petrunkevitch, 1913

Holotype

Petrunkevitch, 1913: p. 43, text-fig. 8, pl. 4,
fig. 16

Mazon Creek, Illinois.

Holotype

Petrunkevitch, 1949: p. 153, no figs.

Holotype

Petrunkevitch, 1953: p. 29, no figs.

= *Kronoscorpio danielsi* (Petrunkevitch, 1949)

Holotype

Kjellesvig-Waering, 1986: p. 193, pl. 14–15,
meas.

Reverse half does not exist.

Amphibamus grandiceps Cope, 1865

Holotype (incorrectly cited as holotype): un-
numbered = missing (as reported by Greg-
ory, 1950: p. 842)

Hay, 1900: p. 120, meas., no figs.

Mazon Creek, Illinois.

Figured specimen

Moodie, 1916: p. 126, pl. 14, figs. 1–2

Arthrolycosa danielsi Petrunkevitch, 1913

Holotype: unnumbered → UMMP 7219

Petrunkevitch, 1913: p. 91, text-figs. 55–56,
pl. 8, figs. 45–46

Mazon Creek, Illinois.

Holotype

Petrunkevitch, 1949: p. 276, no figs.

Holotype

Petrunkevitch, 1953: p. 101, no figs.

Dittodus latus (Newberry, 1856)

Holotype: 17 → missing

Hay, 1900: p. 96, no figs.

Mazon Creek, Illinois.

Elonichthys peltigerus? Newberry, 1856

Referred specimens: 1–4, 7 → missing

Hay, 1900: p. 117, no figs.

Mazon Creek, Illinois.

Eoscorpium danielsi Petrunkevitch, 1913; SEE **Al-
loscorpium danielsi** (Petrunkevitch, 1913)

Eubleptus danielsi Handlirsch, 1906

Holotype: unnumbered (obverse half → UMMP
7214; reverse half → USNM 35576 = miss-
ing)

Handlirsch, 1906a: p. 681, text-fig. 7

Near Morris, Illinois.

Holotype

Carpenter, 1965: p. 180, text-fig. 3

Holotype: USNM 38731 incorrectly cited as ho-
lotype.

Carpenter, 1983: p. 84, no figs.

Genentomum carri Cockerell, 1917

Holotype: unnumbered (obverse half → USNM
65023)

Cockerell, 1917: p. 81, text-fig. 4

Mazon Creek, Illinois.

Discovered by J. C. Carr.

= *G. validum* Scudder, 1885

Referred specimen

Burnham, 1983: p. 36, no figs.

Gerarus danielsi Scudder, 1885

Unnumbered (obverse half → UMMP 7206; re-
verse half → USNM 35574)

See Carpenter, 1965, for details.

Hadentomum americanum Handlirsch, 1906

Cotype: unnumbered (obverse half → UMMP
7211; reverse half → USNM 35579)

Handlirsch, 1906a: p. 693, text-figs. 19–21
Near Morris, Illinois.

Holotype

Carpenter, 1965: p. 186, text-fig. 6

Heterotarbus ovatus Petrunkevitch, 1913

Holotype: unnumbered → UMMP 7217

Petrunkevitch, 1913: p. 115, text-fig. 70, pl.
10, fig. 59

Mazon Creek, Illinois.

Holotype

Petrunkevitch, 1949: p. 178, no figs.

Holotype

Petrunkevitch, 1953: p. 49, no figs.

Kustarachne conica Petrunkevitch, 1913

Holotype: unnumbered → UMMP 7221

Petrunkevitch, 1913: p. 72, pl. 6, fig. 35, text-
fig. 36

Mazon Creek, Illinois.

- Holotype
 Petrunkevitch, 1949: p. 268, no figs.
 Ventral half only.
- Myiacris similis** Handlirsch, 1906
 Holotype: unnumbered (obverse half → UMMP 7207; reverse half → USNM 35573)
 Handlirsch, 1906: p. 779, text-fig. 88, meas.
 Mazon Creek, Illinois, near Morris, Illinois.
- Palaeocarrina ornata** Cockerell, 1917
 Holotype: unnumbered (part = missing; counterpart → USNM 65024)
 Cockerell, 1917: p. 80, text-figs. 2–3
 Mazon Creek, Illinois.
 Discovered by J. C. Carr.
- Poliochera punctulata** Scudder, 1884
 = *Polyochera punctulata* Scudder, 1884
 Referred specimen: unnumbered → UMMP 7223
 Petrunkevitch, 1913: p. 80, no figs.
 Mazon Creek, Illinois.
 Referred specimen
 Petrunkevitch, 1949: p. 286, no figs.
 Referred specimen
 Petrunkevitch, 1953: p. 112, no figs.
- Protophrynus carbonarius** Petrunkevitch, 1913
 Holotype: unnumbered → UMMP 7222
 Petrunkevitch, 1913: p. 69, text-figs. 32–33, pl. 6, figs. 30–31
 Mazon Creek, Illinois.
 Holotype
 Petrunkevitch, 1949: p. 273, no figs.
 Holotype
 Petrunkevitch, 1953: p. 100, no figs.
 Obverse and reverse halves.
- Sagenodus occidentalis** (Newberry & Worthen, 1866)
 Referred specimens: 12–13 → missing
 Hay, 1900: p. 101, meas., no figs.
 No locality information.
- Sagenodus quadratus** (Newberry, 1873)
 Referred specimens: 8–9; 19 → missing
 Hay, 1900: p. 103, meas., no figs.
 No locality information.
- Sagenodus quincunciatus** Cope, 1897
 Referred specimens: 10–11, 20–21 → missing
 Hay, 1900: p. 109, no figs.
 Mazon Creek, Illinois.
- Thelyphrynus elongatus** Petrunkevitch, 1913
 Holotype: unnumbered → UMMP 7220
 Petrunkevitch, 1913: p. 66, pl. 5, fig. 26, text-figs. 27–28, meas.
 Mazon Creek, Illinois.
 Holotype
 Petrunkevitch, 1949: p. 273, no figs.
 Dorsal only.
- Trigonomartus pustulatus** (Scudder, 1884)
 Figured specimen: unnumbered → UMMP 7218
 Petrunkevitch, 1913: p. 102, text-figs. 60–61, pl. 9, figs. 49–50
 Mazon Creek, Illinois.
 Referred specimen
 Petrunkevitch, 1949: p. 257, no figs.
 Referred specimen
 Petrunkevitch, 1953: p. 90, no figs.
- Trigonoscorpio americanus** Petrunkevitch, 1913
 Holotype: unnumbered → UMMP 7224 (cast = YPM 139)
 Petrunkevitch, 1913: p. 47, text-fig. 10, pl. 4, figs. 17–18
 Mazon Creek, Illinois.
 Holotype
 Petrunkevitch, 1953: p. 31, no figs.
 = *Eoscorpium carbonarius* Meek & Worthen, 1868
 Figured specimen
 Kjellesvig-Waering, 1986: p. 163, text-fig. 74
 Both halves.
- DAVENPORT, KENNETH [unable to locate]
- Belotelson magister** (Packard, 1886)
 Figured specimen: D 8127
 Schram, 1974b: p. 33, text-figs. 22, 24–25
 No locality information.
- Belotelson magister** (Packard, 1886)
 Figured specimen: D 8201
 Schram, 1974b: p. 33, text-fig. 28
 No locality information.
- DOUGLASS, DAVID [confirmed]
 704 Main St.
 Evanston, IL 60202
- Conchopoma edesi** Denison, 1969
 Referred specimen: 517
 Schultze, 1975: p. 214, no figs.
 Pit 11.
- Gerarus vetus** Scudder, 1885
 Figured specimen: 1
 Burnham, 1983: p. 14, text-fig. 4 (composite)
 Mazon Creek, Illinois.
 Obverse and reverse halves.

- Gilpichthys greenei** Bardack & Richardson, 1977
 Referred specimen: unnumbered
 Bardack & Richardson, 1977: p. 497, no figs.
 Pit 11.
 Part and counterpart.
- Jeletzkyia douglassae** Johnson & Richardson, 1968
 Holotype: 565
 Johnson & Richardson, 1968: p. 526, text-figs. 1–4, meas.
 Pit 11.
 Holotype
 Saunders & Richardson, 1979: p. 351, text-fig. 8
 Both halves.
- Mischoptera douglassi** Carpenter & Richardson, 1968
 Holotype: 39
 Carpenter & Richardson, 1968: p. 301, text-fig. 2, pls. 24, 25, 27
 Pit 6 of the Northern Illinois Coal Company, near the Grundy-Will county line, Illinois.
 Obverse and reverse halves.
- Pipiscius zangerli** Bardack & Richardson, 1977
 Figured specimen: 604
 Bardack & Richardson, 1977: p. 492, text-fig. 2
 Pit 11, Peabody Coal Company, Will and Kankakee counties, Illinois.
 Part and counterpart.
- Titanoscorpio douglassi** Kjellesvig-Waering, 1986
 Holotype: 1
 Kjellesvig-Waering, 1986: p. 240, text-fig. 108F–G
 Mazon Creek area, Illinois.
 Collected 1966; three parts of a concretion.
- Titanoscorpio douglassi** Kjellesvig-Waering, 1986
 Paratype: 3
 Kjellesvig-Waering, 1986: p. 240, text-figs. 108A–E
 No locality information.
- EVEN, JOSEPH** [deceased]
 Morris, Illinois
- Acanthotelson eveni** Meek & Worthen, 1868a
 Syntype: unnumbered → ISGS (ISM) 3066
 Meek & Worthen, 1868a: p. 28, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 551, text-figs. A–C
- = *Acanthotelson stimpsoni* Meek & Worthen, 1865
 Syntype
 Schram, 1984: p. 205, no figs.
 Reverse half only.
- Acanthotelson eveni** Meek & Worthen, 1868a
 Syntype: unnumbered → UI-X-344 = ISM 11108
 Meek & Worthen, 1868a: p. 28, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 551, text-figs. B–D (composite)
- = *Acanthotelson stimpsoni* Meek & Worthen, 1865
 Paralectotype
 Schram, 1984: p. 205, no figs.
 Part and counterpart.
- Acanthotelson eveni** Meek & Worthen, 1868a
 Syntype: unnumbered → UI-X-346 = ISM 11118
 Meek & Worthen, 1868a: p. 28, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 551, text-figs. B–D (composites)
- = *Acanthotelson stimpsoni* Meek & Worthen, 1865
 Lectotype
 Schram, 1984: p. 205, no figs.
- Amphibamus grandiceps** Cope, 1865
 Holotype: unnumbered → destroyed (lost in home fire, as reported by Moodie, 1916: p. 126)
 Cope, 1865: p. 134, no figs.
 Near Morris, Grundy County, Illinois.
 Holotype
 Cope, 1866: text-fig. on p. 136 (woodcut); pl. 32, fig. 8
 Holotype
 Moodie, 1909: p. 82, text-fig. 24 (restoration)
 Holotype
 Moodie, 1916: p. 126, pl. 3, fig. 7
- Anthrapalaemon gracilis** Meek & Worthen, 1865
 Referred specimen: unnumbered → UI-X-343 = ISM 11124
 Meek & Worthen, 1865: p. 50, meas., no figs.
 South side of Illinois River, at Morris, Grundy County, Illinois.
 Meek & Worthen, 1866: p. 406, pl. 32, fig. 4 (composite)
- = *Anthracaris gracilis* (Meek & Worthen, 1865)
 Referred specimen (although designated as “type” by Meek & Worthen, so was ISM 3067, which is the holotype; see Brooks, 1962)
 Brooks, 1962: p. 174, no figs.

- Euphoberia armigera** Meek & Worthen, 1868a
 Syntype: unnumbered → ISGS (ISM) 2910
 Meek & Worthen, 1868a: p. 26, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 556, text-figs. A–B
- Euphoberia armigera** Meek & Worthen, 1868a
 Syntype: unnumbered → UI-X-497 = ISM 11106
 Meek & Worthen, 1868a: p. 26, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 556, text-fig. C
 One-half only.
- Euphoberia armigera** Meek & Worthen, 1868a
 Syntype: unnumbered → UC 19703 = FMNH UC 19703
 Meek & Worthen, 1868a: p. 26, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 556, text-fig. D
- Euphoberia? major** Meek & Worthen, 1868a
 Syntype: unnumbered → UI-X-504 = ISM 11120
 Meek & Worthen, 1868a: p. 26, no figs.
 Mazon Creek, Grundy County, Illinois.
 Syntype
 Meek & Worthen, 1868b: p. 558, text-fig. on p. 558
 = *Acantherpestes major* (Meek & Worthen)
 One-half only.
- Eurypterus (Anthraconectes) mazonensis** Meek & Worthen, 1868a
 Holotype: unnumbered → AMNH 8538
 Meek & Worthen, 1868a: p. 19, no figs.
 Mazon Creek, Grundy County, Illinois.
 Holotype
 Meek & Worthen, 1868b: p. 544, text-figs. on p. 544
 Holotype
 Clarke & Ruedemann, 1912: p. 226, text-figs. 50–51, meas., pl. 26, fig. 1
 = *Lepidoderma mazonense* (Meek & Worthen, 1868)
 Holotype
 Kjellesvig-Waering, 1948: p. 17, no figs.
 = *Adelophthalmus mazonensis* (Meek & Worthen, 1868)
 Holotype (label at AMNH has James Hall Collection)
 Kjellesvig-Waering, 1963: p. 86, no figs.
 One-half only.
- FAGAN, J. J.** [confirmed]
 10001 S. Pulaski Rd.
 Chicago, IL 60642
- Prochoropectera calopteryx** Handlirsch, 1911
 Figured specimen: JJF-IL11-007 → FMNH PE 25667
 Carpenter & Richardson, 1978: p. 222, text-fig. 2 (composite), meas.
 Pit 11.
- GEORGE, CALVIN** [confirmed]
 1824 Harvest Lane
 Glendale Heights, IL 60139
- Essoidia epiceron** Schram, 1974b
 Referred specimen: G 061-113
 Schram, 1974b: p. 49, no figs.
 Pit 11.
- Hesslerella shermani** Schram, 1970
 Referred specimen: CG 11-244
 Schram, 1974a: p. 98, no figs.
 Pit 11.
- Tullimonstrum gregarium** Richardson, 1966a
 Figured specimen: S-11-120
 Johnson & Richardson, 1970: p. 54, pl. 4, fig. A
 Pit 11.
 Figured specimen
 Case, 1982: p. 183, text-fig. 19-4
 Mazon Creek area, Illinois.
- GREENE, FRANK, JR.** [deceased]
 190 W. 3rd St.
 Coal City, IL 60416
 ↓
MRS. FRANK GREENE, JR. [confirmed]
 Address as above
- Anthracomedusa turnbulli** Johnson & Richardson, 1968
 Hypotype: unnumbered
 Foster, 1979: p. 226, text-fig. 7A
 Pit 11.
 Both halves.
- Essexella asherae** Foster, 1979
 Paratype: unnumbered → FMNH PE 39892
 Foster, 1979: p. 244, text-fig. 18B
 Pit 11.
 Both halves.
- Eucaenus ovalis** Scudder, 1885
 Figured specimen: G75 (both halves) → DENNIS KINGERY PRIVATE COLLECTION, 110 Grant, Rock Springs, WY 82901 [confirmed]

- Carpenter & Richardson, 1976: p. 231, text-figs. 1 (composite), 3–4
Pit 11.
Both halves.
- Strobus sp. on *Essexella asherae*** Foster, 1979
Paratype: unnumbered → FMNH PE 39893
Foster, 1979: p. 207, text-fig. 2A
Pit 11.
Both halves.
- Strobus sp. on *Essexella asherae*** Foster, 1979
Paratype: unnumbered
Foster, 1979: p. 207, text-fig. 2B
Pit 11.
Both halves.
- GUBBIE, ALLEN**
↓
STEPHEN LEMAY PRIVATE COLLECTION
[confirmed]
- Jeletzkya douglassae** Johnson & Richardson, 1968
Figured specimen: ACGG 66
Saunders & Richardson, 1979: p. 351, text-fig. 9c
No locality information.
One-half nodule (collector incorrectly cited as Gubbe).
- HARRIS, PAUL** [confirmed]
874 Circle Dr.
Mountain Home, AR 72653
- "*Elonichthys*" peltigerus** Newberry, 1856
Referred specimens: H30, H31, H35
Schultze & Bardack, 1987: p. 7, no figs.
Pit 11.
- Eubleptus danielsi** Handlirsch, 1906
Figured specimen: PH 15 → FMNH PE 40223
Carpenter, 1983: p. 84, text-figs. 1–2 (composite), 3, 8 (composite)
Pit 11 (collected 1964).
Obverse and reverse halves.
- HARVEY, LEROY**
Ann Arbor, Michigan
↓
UMMP [confirmed]
- Lepidostrobus braidwoodensis** Arnold, 1938
Holotype: unnumbered → UMMP uncataloged
Arnold, 1938: p. 709, text-figs. 1–7
Strip mine dump between Braidwood and Coal City, Illinois.
Collected May 1937; both halves and slides.
- HAY, ANDREW** [confirmed]
Norridge, Illinois
- Smithixerxes juliarum** Schram & Rolfe, 1982
Figured specimen: unnumbered
Schram & Rolfe, 1982: p. 1443, pl. 4, fig. 2, meas. tbl. 2
Pit 11.
Both halves.
- HENDRICK, CAROLE** [confirmed]
Bridgeview, Illinois
- Pterochiton concinnus** Richardson, 1956
Figured specimen: unnumbered
Baird et al., 1985: p. 266, text-fig. 6.3
Pit 11.
- HERDINA, JERRY** [deceased]
Berwyn, Illinois
↓
FMNH
- Adelophthalmus mazonensis** (Meek & Worthen, 1868)
Figured specimen: H 2 → FMNH PE 32375
Kjellesvig-Waering, 1963: p. 86, text-figs. 45–46 (composite), meas.
Pit 1 or 6.
- Adelophthalmus mazonensis** (Meek & Worthen, 1868)
Figured specimen: H 3 → FMNH PE 32380
Kjellesvig-Waering, 1963: p. 86, text-fig. 49, meas.
Pit 1 or 6.
- Adelophthalmus mazonensis** (Meek & Worthen, 1868)
Figured specimen: H 6 → FMNH PE 32370
Kjellesvig-Waering, 1963: p. 86, text-fig. 44, meas.
Pit 1 or 6.
Both halves.
- Adelophthalmus mazonensis** (Meek & Worthen, 1868)
Referred specimens: H 1 → FMNH PE 32369, H 4 → FMNH PE 32376, H 5 → FMNH PE 32382, H 7 → FMNH PE 32384, H 8 → FMNH PE 32383, H 9 → FMNH PE 32378, H 10 → FMNH PE 32368, H 11 → FMNH PE 32373, H 12 → FMNH PE 32385, H 13 → FMNH PE 32371, H 14 → FMNH PE 32374, H 15 → FMNH PE 32377, H 16 → FMNH PE 32372, H 18 → FMNH PE 32381
Kjellesvig-Waering, 1963: p. 89, meas.
Pit 1 or 6.

- Conchopoma edesi** Denison, 1969
Paratype: H 389 → FMNH PF 8903
Denison, 1969: p. 195, text-figs. 105–106
Pit 11.
- Conchopoma edesi** Denison, 1969
Referred specimens: unnumbered → FMNH PF 8970, unnumbered → FMNH PF 8971
Schultze, 1975: p. 214, no figs.
Pit 11.
- Esconichthys apopyris** Bardack, 1974
Figured specimen: H 101 → FMNH PF 3028
Bardack, 1974: p. 990, pl. 1, figs. 2–3
Pit 11 or Sun Spot Mine.
- Herdina mirificus** Carpenter & Richardson, 1971
Holotype: H 412 → FMNH PE 24853
Carpenter & Richardson, 1971: p. 291, text-figs. 15–20
Pit 11.
Holotype: unnumbered
Richardson, 1975: p. 17, text-fig.
Obverse and reverse.
- Kallidecthes richardsoni** Schram, 1969
Figured specimen: H 162 → FMNH PE 28342
Schram, 1969: p. 238, text-fig. 118
Pit 11.
- Kallidecthes richardsoni** Schram, 1969
Figured specimen: H 170 → FMNH PE 28343
Schram, 1969: p. 238, text-fig. 119b
Pit 11.
- Kallidecthes richardsoni** Schram, 1969
Figured specimen: H 269 → FMNH PE 28344
Schram, 1969: p. 238, text-fig. 114
Pit 11.
- Kottixerxes gloriosus** Schram, 1971
Figured specimen: H 122 → FMNH PE 27876
Schram, 1971: p. 87, text-fig. 3, meas. tbl. 1
Pit 11.
- Kottixerxes gloriosus** Schram, 1971
Referred specimens: H 405 → FMNH PE 27875, H 407 → FMNH PE 27874
Schram, 1971: p. 91, no figs.
Pit 11.
- Kottixerxes gloriosus** Schram, 1971
Figured specimen: H 406 → FMNH PE 27872
Schram, 1971: p. 87, text-fig. 2, meas. tbl. 1
Pit 11.
- Kottixerxes gloriosus** Schram, 1971
Figured specimen: H 409 → FMNH PE 27873
Schram, 1971: p. 87, text-fig. 5
Pit 11.
- Kottixerxes gloriosus** Schram, 1971
Figured specimen: H 410 → FMNH PE 27877
Schram, 1971: p. 87, text-figs. 4, 8 (lower photo)
Pit 11.
- Lycodemus adolescens** Carpenter & Richardson, 1971
Figured specimen: H 110 → FMNH PE 31983
Carpenter & Richardson, 1971: p. 268, text-fig. 3, meas.
Pit 11.
- Lycodemus adolescens** Carpenter & Richardson, 1971
Holotype: H 413 → FMNH PE 24852
Carpenter & Richardson, 1971: p. 268, text-figs. 1–2, meas.
Pit 11.
Both halves.
- Mayomyzon pieckoensis** Bardack & Zangerl, 1971
Figured specimen: H 450 → FMNH PF 8167
Bardack & Zangerl, 1971: p. 67, text-fig. 2
A coal strip mine about 50 miles southwest of Chicago (pit 6).
- Megalichthys cf. hibberti**
Referred specimen: H 501 → FMNH PF 12374?
Schultze, 1974: p. 31, no figs.
Pit 11.
- Megalichthys cf. hibberti**
Figured specimen: H 502 → FMNH PF 12375
Schultze, 1974: p. 31, text-fig. 4b
Pit 11.
- Megalichthys cf. hibberti**
Figured specimen: H 648 → FMNH PF 7482
Schultze, 1974: p. 31, text-fig. 4a
Pit 6.
Half only.
- Nemavermes mackeei** Schram, 1973b
Figured specimen: H 124 → FMNH PE 24846
Schram, 1973b: p. 987, pl. 2, figs. 2–3
Pit 11.
- Paleocadmus herdinae** Solem & Richardson, 1975
Holotype: H 120 → FMNH PE 24538
Solem & Richardson, 1975: p. 344, text-figs. 1–13
Pit 11.
- Priapulites konecniorum** Schram, 1973b
Figured specimen: H 125 → FMNH PE 25135
Schram, 1973b: p. 985, pl. 1, fig. 4
Pit 11.

Rhizodopsis? mazonius

Figured specimen: H 643 → FMNH PF 3788
Schultze, 1974: p. 38, text-figs. 6a-b
No locality information.

Spilaptera americana Carpenter & Richardson, 1971

Paratype: H 459 → FMNH PE 24850
Carpenter & Richardson, 1971: p. 28, no figs., meas.
Pit 6.

Spilaptera americana Carpenter & Richardson, 1971

Holotype: H 463 → FMNH PE 24851
Carpenter & Richardson, 1971: p. 281, text-fig. 10, meas.
Pit 6.

Tyrannophontes theridion Schram, 1969

Figured specimen: H 54 → FMNH PE 25507
Schram, 1969: p. 261, text-fig. 131b
Pit 11.

Tyrannophontes theridion Schram, 1969

Figured specimen: H 172 → FMNH PE 25505
Schram, 1969: p. 261, text-figs. 131a, 134, 136a
Pit 11.

Part and counterpart.

Tyrannophontes theridion Schram, 1969

Figured specimen: H 182 → FMNH PE 25506
Schram, 1969: p. 261, text-fig. 131b
Pit 11.

Tyrannophontes theridion Schram, 1969

Figured specimen: H 195 → FMNH PE 25502
Schram, 1969: p. 261, text-fig. 133a
Pit 11.

Undetermined dipnoan

Referred specimen: H 388 → FMNH PF 8369
Denison, 1969: p. 208, no figs.
Pit 11.

HOLTZ, RANDY [confirmed]

Cephalopod

Referred specimen: unnumbered
Saunders & Richardson, 1979: p. 359, no figs.
No locality information.

INGELS, CORLISS [confirmed]

5012 Pfeiffer Rd.
Peoria, IL 61607

↓

ROBERT COOPER PRIVATE COLLECTION

Anthracophausia ingelsorum Schram, 1976

Holotype: CEI 41130
Schram, 1976: p. 24, text-figs. 2-3
Sunspot Mine, just north of Astoria, Fulton County, Illinois.
Both halves: to be deposited as FMNH P 32085.

Drevotella proteana Nitecki & Richardson, 1972

Figured specimen: unnumbered
Nitecki & Richardson, 1972: p. 2, text-fig. 2b
No locality information.

Drevotella proteana Nitecki & Richardson, 1972

Figured specimen: unnumbered
Nitecki & Richardson, 1972: p. 2, text-fig. 2c
No locality information.

JOHNSON, A. [unable to locate]

Esconichthys apopyris Bardack, 197

Figured specimen: unnumbered
Bardack, 1974: p. 990, pl. 1, fig. 4
Pit 11 or Sun Spot Mine.

KIMBALL, ARTHUR [unable to locate]

Pipiscius zangerli Bardack & Richardson, 1977

Referred specimen: unnumbered
Bardack & Richardson, 1977: p. 492, no figs.
Pit 11 of the Peabody Coal Company in Will and Kankakee counties.
Part & counterpart.

KNOWLTON, LOUIS [unable to locate]

Geralinura gigantea Petrunkevitch, 1913

Figured specimen: unnumbered
Langford, 1963: p. 39, text-fig. 58
No locality information.
Matching halves of a concretion.

KOLODZYK, MICHAEL J. [confirmed]

Milwaukee Area Technical College
Biology Dept.
1015 N. 6th St.
Milwaukee, WI 53203

"Elonichthys" peltigerus Newberry, 1856

Referred specimen: MK1312
Schultze & Bardack, 1987: p. 7, no figs.
Pit 11.

KONECNY, JAMES E., AND SYLVIA [confirmed]

3036 Geronimo Rd.
Prescott, AZ 86301

Belotelson magister (Packard, 1886)

Referred specimen: K11-0133

- Schram, 1974b: p. 33, no figs.
Pit 11.
- Conchopoma edesi** Denison, 1969
Referred specimen: K11-0394
Schultze, 1975: p. 214, no figs.
Pit 11 (collected July 11, 1970).
Incorrectly cited as K7-11-70.
- Essoidia epiceron** Schram, 1974b
Figured specimen: K11-0134
Schram, 1974b: p. 46, text-fig. 35
Pit 11.
- Fossundecima konecniorum** Thompson, 1979
Figured specimen: K11-0708
Thompson, 1979: p. 188, pl. 6, fig. 5
Pit 11 strip mine in northern Illinois.
- Jeletzkyia douglassae** Johnson & Richardson, 1968
Referred specimens: K11-0369, K11-1143
Saunders & Richardson, 1979: p. 351, no figs.
Pit 11 of the Peabody Coal Company.
- Kellibrooksia macrogaster** Schram, 1973a
Figured specimen: K11-0009
Schram, 1973a: p. 80, text-fig. 2
Pit 11.
- Kellibrooksia macrogaster** Schram, 1973a
Referred specimen: K11-0017
Schram, 1973a: p. 82, no figs.
Pit 11.
- Kellibrooksia macrogaster** Schram, 1973a
Figured specimen: K11-0041
Schram, 1973a: p. 80, text-figs. 3, 4B
Pit 11.
- Kellibrooksia macrogaster** Schram, 1973a
Figured specimen: K11-0045 → George Lee, Jr.,
Private Collection, 330 Paularino Ave.,
Costa Mesa, CA 92626 [confirmed]
Schram, 1973a: p. 80, text-fig. 5
Pit 11.
- Latzelia primordialis** Scudder, 1890
Referred specimen: K11-0427
Mundel, 1979: p. 366, no figs.
Pit 11.
Incorrectly cited as FMNH PE 29005.
- Mycterops** sp.
Figured specimen: K11-0338 (part and counterpart)
Kjellesvig-Waering, 1963: p. 104, text-fig. 56
Strip mines on the Will-Grundy County line
(old Greer School locality).
- Rhaphidiophorus hystrix** Thompson, 1979
Figured specimen: K11-0612
Thompson, 1979: p. 190, pl. 6, fig. 7
Pit 11.
- Tullimonstrum gregarium** Richardson, 1966a
Referred specimen: K11-0001
Johnson & Richardson, 1969: p. 129, no figs.
Pit 11.
- KOTT, A. W.** [deceased]
↓
- ROBERT KOTT** [confirmed]
5410 S. 73 Ave.
Summit, IL 60501
- Megalichthys** sp.
Referred specimen: PB 528
Schultze, 1974: p. 31, no figs.
Pit 11.
- Tullimonstrum gregarium** Richardson, 1966a
Referred specimen: PB 1311
Richardson, 1966a: p. 76, no figs.
Pit 11.
- LASCO, LEONARD** [confirmed]
1525 W. Smith
Peoria, IL 61605
- Lascoa mesostaurata** Foster, 1979
Holotype: unnumbered
Foster, 1979: p. 233, text-figs. 11-12
Astoria, Illinois.
Positive and negative sides of a concretion.
- LEMAY, STEPHEN** [confirmed]
R.R. 1, Box 33
Tonica, IL 61370
- Bivalve**
Figured specimen: SLM 100
Shabica, 1978: p. 558, text-fig. 5E
Pit 11.
- Cephalopod**
Referred specimen: SLM 8
Richardson & Johnson, 1971: p. 1222, no figs.
Pit 3 off Road 159
Collected Feb. 13, 1965.
- Cryptocaris hootchi** Schram, 1974a
Figured specimen: SLM 6
Schram, 1974a: p. 100, text-fig. 9, meas. in
tbl. 1
Peabody Coal Company, pit 11.
- Jeletzkyia** sp.
Referred specimen: SLM 1066

- Saunders & Richardson, 1979: p. 351, no figs.
SE 1/4, SE 1/4, NE 1/4, sec. 32, T32N, R9E,
pit 11.
Collected May 4, 1975.
- Megalichthys sp.**
Referred specimen: SLM 195
Schultze, 1974: p. 31, no figs.
SE 1/4, SW 1/4, SW 1/4, sec. 32, T32N,
R9E, pit 11.
Collected May 27, 1967.
- Scallop**
Figured specimen: SLM 9
Richardson, 1968: text-fig. on p. 8
SE 1/4, SW 1/4, SW 1/4, sec. 32, T32N,
R9E, pit 11.
Collected May 27, 1967.
- Stearoceras sp.**
Referred specimens: SLM 11, 1272–1273
Saunders & Richardson, 1979: p. 359, no figs.
Pit 11.
SLM 11 collected May 27, 1967; SLM 1272 and
1273 collected March 20, 1976.
- LIETZ, WALTER H., AND RITA M.** [confirmed]
Wilmington, Illinois
- “Elonichthys” hypsilepis** Hay 1900
Referred specimens: L-1611, L-1611D
Schultze & Bardack, 1987: p. 8, no figs.
Pit 11.
L-1611 collected Sept. 11, 1976; L-1611D col-
lected April 9, 1982.
- “Elonichthys” peltigerus** Newberry, 1856
Referred specimen: L-1611B
Schultze & Bardack, 1987: p. 7, no figs.
Pit 11.
Collected Aug. 9, 1978.
- Monura sp.**
Referred specimen: L-1658
Kukalova-Peck, 1985: p. 944, no figs.
North of Road N-500-W on Tipple Hill,
located between the towns of Essex and
South Wilmington, Illinois.
Collected Oct. 8, 1976.
- Trigonomartus sp.**
Figured specimen: L-1600
Baird et al., 1985: p. 262, text-fig. 5.4
Bear Lake, Illinois (Goldblatt’s area), lo-
cated ½ mile north of pit 1 (Miner’s Club)
on access road north of intersection of I-
55 and Route 113.
Collected May 20, 1975.
- MAKOWSKI, JOSEPH** [confirmed]
6136 W. Henderson St.
Chicago, IL 60634
- Oligotypus makowskii** Carpenter & Richardson,
1971
Holotype: IWJM-I-C
Carpenter & Richardson, 1971: p. 286, text-
fig. 14, meas.
Pit 11.
- MCLUCKIE, JOHN M.** [deceased]
↓
JOHN W. (BILL) MCLUCKIE
60 S. DeWitt Pl.
Coal City, IL 60416
↓
USNM [confirmed]
- Arthropleura sp.**
Figured specimen: 5000-1.1
Richardson, 1956c: p. 72, text-fig. 39 (de-
tailed map of locality given in text-fig. 3)
Will County, Illinois.
Collected 1953.
= *Arthropleura cristata* Richardson, 1959
Referred specimen
Richardson, 1959: p. 82, no figs.
Figured specimen
Langford, 1963: p. 19, text-fig. 24
Matching halves of a concretion.
- Aviculopecten mazonensis** Worthen, 1890
Figured specimen: 100-1.1
Richardson, 1956b: p. 65, text-fig. 37
Underground mine dump at Diamond.
Figured specimen
Langford, 1963: p. 14, text-fig. 12
Both halves of a concretion.
- Curculioides gracilis** Petrunkevitch, 1945
Figured specimen: 500-1.1
Langford, 1963: p. 65, text-figs. 104–105
No locality information.
- “Elonichthys” hypsilepis** Hay, 1900
Figured specimen: 400-1.1
Langford, 1963: p. 112, text-figs. 200–201
No locality information.
- “Elonichthys” peltigerus** Newberry, 1856
Figured specimen: 400-1.3
Langford, 1963: p. 114, text-figs. 204–205
No locality information.
- Helminthochiton concinnus** Richardson, 1956b
Holotype: 3000-1.1 (copper replica = FMNH PE
6681)

- Richardson, 1956b: p. 62, text-figs. 34–36, meas.
No locality information.
- Holotype**
Smith, 1960: p. 1-48, text-fig. 33.1a–c
- Holotype**
Langford, 1963: p. 10, text-figs. 1–3
Both halves of concretion.
- Mcluckiepteran luciae** Richardson, 1956a
Holotype: unnumbered (plaster cast = FMNH unnumbered)
Richardson, 1956a: p. 20, text-figs. 4–5, meas.
No locality information.
- Holotype**
Richardson, 1956a: p. 93, text-fig. 159
Two halves of concretion.
- Ootarbus pulcher** Petrunkevitch, 1945
Figured specimen: unnumbered
Langford, 1963: p. 54, text-fig. 86
No locality information.
- Ootarbus pulcher** Petrunkevitch, 1945
Figured specimen: unnumbered
Langford, 1963: p. 54, text-fig. 87
No locality information.
- Ootarbus pulcher** Petrunkevitch, 1945
Figured specimen: 500-3.2
Langford, 1963: p. 54, text-fig. 88
No locality information.
- Sigillaria sp.**
Figured specimen: unnumbered
Langford, 1963: p. 183, text-fig. 771
No locality information.
- Sigillaria sp.**
Figured specimen: unnumbered
Langford, 1963: p. 183, text-fig. 772
No locality information.
- MORREAU, LANNY** [confirmed]
315 Clover Ct.
Bloomington, IL 61701
- Eucaenus ovalis** Scudder, 1885
Referred specimen: unnumbered
Carpenter & Richardson, 1976: p. 234, no figs.
Pit 11.
- MOSIMAN, EILEEN** [confirmed]
5731 Prospect Rd.
Peoria, IL 61614
- "Elonichthys" hypsilepis** Hay, 1900
Referred specimen: EM2
Schultze & Bardack, 1987: p. 8, no figs.
Pit 11.
- NELSON, HOWARD** [unable to locate]
- Fossundecima konecniorum** Thompson, 1979
Figured specimen: unnumbered
Thompson, 1979: p. 188, pl. 7, fig. 1
No locality information.
- OSTERBERGER, LARRY** [no response]
- "Elonichthys" peltigerus** Newberry, 1856
Referred specimens: A3, unnumbered
Schultze & Bardack, 1987: p. 7, no figs.
Unnumbered specimen is large.
- Larryia osterbergi** Kukalova-Peck & Richardson, 1983
Holotype: P9B 674
Kukalova-Peck & Richardson, 1983: p. 1678, text-figs. 10B, 14, meas.
No locality information.
Part and counterpart.
- ?Prochoroptera calopteryx** Handlirsch, 1911
Figured specimen: LOA 1762
Kukalova-Peck, 1987: p. 2336, text-fig. 21
No locality information.
- PIECKO, HELEN AND TED** [confirmed]
5701 N. Northcott Ave.
Chicago, IL 60631
- Achistrum sp.**
Figured specimen: HTP 1073 → MCP 513
Baird et al., 1985: p. 265, text-fig. 6.5
Pit 11.
- Amphibamus grandiceps** Cope, 1865
Figured specimen: HTP 6903 → MCP 342
Brink, 1976: p. 340, text-fig. bottom left on p. 244
Pit 11.
- Astreptoscolex anasillosus** Thompson, 1979
Figured specimen: HTP 883 → MCP
Thompson, 1979: p. 182, pl. 5, fig. 1
No locality information.
- Conchopoma edesi** Denison, 1969
Referred specimens: HTP 176 → MCP, HTP 191 → MCP 356, HTP 192 → MCP
Schultze, 1975: p. 214, no figs.
Pit 11.

- Drevotella proteana** Nitecki & Richardson, 1972
 Referred specimen: HTP 422 → MCP 339
 Nitecki & Richardson, 1972: p. 2, no figs.
 Pit 11.
- Drevotella proteana** Nitecki & Richardson, 1972
 Figured specimen: HTP 5080 → MCP 338
 Nitecki & Richardson, 1972: p. 2, text-fig. 1b
 Pit 11.
- Drevotella proteana** Nitecki & Richardson, 1972
 Figured specimen: HTP 13067 → MCP 308
 Nitecki & Richardson, 1972: p. 2, text-fig. 3b
 Pit 11.
- Drevotella proteana** Nitecki & Richardson, 1972
 Figured specimen: HTP 20039 → MCP 329
 Nitecki & Richardson, 1972: p. 2, text-fig. 1a
 Pit 11.
- Dryptoscolex matthiesae** Thompson, 1979
 Figured specimen: HTP 3015 → MCP 320
 Thompson, 1979: p. 176, pl. 2, fig. 4
 Pit 11.
- "Elonichthys" hypsilepis** Hay, 1900
 Referred specimen: HTP 166 → MCP
 Schultze & Bardack, 1987: p. 8, no figs.
 No locality information.
- "Elonichthys" peltigerus** Newberry, 1856
 Referred specimens: HTP 160 → MCP 358, HTP
 164 → MCP, HTP 168 → MCP 357, HTP 178
 → MCP 362, HTP 181 → MCP, HTP 1401
 → MCP, HTP 2018 → MCP, HTP 3040 →
 MCP, HTP 19764 → MCP
 Schultze & Bardack, 1987: p. 7, no figs.
 No locality information.
- Esconichthys apopyris** Bardack, 1974
 Figured specimen: HTP 1628 → MCP 307
 Bardack, 1974: p. 990, pl. 1, fig. 1
 Pit 11.
- Esconites zelus** Thompson & Johnson, 1977
 Figured specimen: HTP 862 → MCP 331
 Thompson & Johnson, 1977: p. 472, text-fig.
 3
 Pit 11.
- Esconites zelus** Thompson & Johnson, 1977
 Figured specimen: HTP 5499 → MCP 305
 Thompson & Johnson, 1977: p. 472, text-fig.
 6
 Pit 11.
- Esconites zelus** Thompson & Johnson, 1977
 Figured specimen: HTP 859 → MCP 330
 Thompson & Johnson, 1977: p. 472, text-fig.
 8
 Pit 11.
- Etacystis communis** Nitecki & Schram, 1976
 Referred specimens: HTP 6898 → MCP 299, HTP
 6875 → MCP 300
 Nitecki & Schram, 1976: p. 1157, no figs.
 Pit 11.
- Eubleptus danielsi** Handlirsch, 1906
 Figured specimen: HTP 422 → MCP 339
 Carpenter, 1983: p. 84, text-fig. 8 (composite)
 Pit 11.
- Eubleptus danielsi** Handlirsch, 1906
 Referred specimens: HTP 402 → MCP 334, HTP
 432 → MCP 332, HTP 436 → MCP 335
 Carpenter, 1983: p. 84, no figs.
 Pit 11.
- Eubrodia dabasinskasi** Carpenter, 1967
 Figured specimen: HTP 433 → MCP 336
 Carpenter & Richardson, 1971: p. 282, text-
 figs. 11 (composite), 12–13, meas.
 Pit 11.
- Fossundecima konecniorum** Thompson, 1979
 Figured specimen: HTP 3131 → MCP
 Thompson, 1979: p. 188, pl. 6, fig. 4
 No locality information.
- Gilpichthys greenei** Bardack & Richardson, 1977
 Referred specimen: HTP 4700 → MCP
 Bardack & Richardson, 1977: p. 497, no figs.
 Pit 11.
 Part and counterpart.
- Haplolepit**
 Figured specimen: HTP 161 → MCP 341
 Brink, 1976: p. 239, pl. on p. 244
 Pit 11.
- Kallidecthes richardsoni** Schram, 1969
 Figured specimen: HTP 4245 → MCP 306
 Schram, 1969: p. 238, text-fig. 117b
 Pit 11.
- Kellibrooksia macrogaster** Schram, 1973a
 Figured specimen: HTP 86 → MCP 312
 Schram, 1973a: p. 80, text-fig. 1A
 Pit 11.
- Kellibrooksia macrogaster** Schram, 1973a
 Figured specimen: HTP 4243 → MCP 343
 Schram, 1973a: p. 80, text-fig. 1B
 Pit 11.

- Kottixerxes gloriosus** Schram, 1971
 Figured specimen: HTP 5095 → MCP 318
 Schram, 1971: p. 87, text-fig. 8 (upper figure)
 Pit 11.
- Mamayocaris jaskoskii** Schram, 1974b
 Figured specimen: HTP 1572 → MCP 313
 Schram, 1974b: p. 11, text-figs. 8, 11
 Pit 11.
- Mamayocaris jaskoskii** Schram, 1974b
 Figured specimen: HTP 11175 → MCP 302
 Schram, 1974b: p. 11, text-figs. 14A–B
 Pit 11.
- Mamayocaris jaskoskii** Schram, 1974b
 Figured specimen: HTP 11236 → MCP 314
 Schram, 1974b: p. 11, text-figs. 12–13
 Pit 11.
- Mamayocaris jaskoskii** Schram, 1974b
 Figured specimen: HTP 11642 → MCP 303
 Schram, 1974b: p. 11, text-figs. 14C–D, 15
 Pit 11.
- Mamayocaris jaskoskii** Schram, 1974b
 Referred specimens: HTP 84 → MCP 316, HTP
 1312 → MCP 326, HTP 1449 → MCP 319
 Schram, 1974b: p. 11, no figs.
 Pit 11.
- Mayomyzon pieckoensis** Bardack & Zangerl, 1968
 Referred specimens: HTP 980 → MCP 304, HTP
 1640 → MCP 311, HTP 5015 → MCP 315
 Bardack & Zangerl, 1968: p. 1265, no figs.
 Pit 11.
- Megalichthys cf. hibberti**
 Referred specimens: HTP 2004 → MCP, HTP
 2006 → MCP 348, HTP 2007 → MCP 347,
 HTP 2008 → MCP 346, HTP 2017 → MCP
 351, HTP 2022 → MCP 345, HTP 2035 →
 MCP 350, HTP 2038 → MCP 353, HTP 2041
 → MCP 349, HTP 5005 → MCP 344, HTP
 5018 → MCP 352
 Schultze, 1974: p. 31, no figs.
 Pit 11.
- Megapleuron zangerli** Schultze, 1977
 Referred specimen: HTP 5701 → MCP 301
 Schultze, 1977: p. 381, no figs.
 Pit 11.
- Mischoptera douglassi** Carpenter & Richardson,
 1968
 Referred specimen: HTP 43 → MCP
 Carpenter & Richardson, 1968: p. 301, no
 figs., meas.
 No locality information.
- Ophiderpeton amphiuminum** (Cope, 1865)
 Figured specimen: HTP 5006 → MCP 323
 Case, 1982: p. 334, text-fig. 26-11
 Pit 11.
- Palaeoxyris sp.**
 Figured specimen: HTP 5008 → MCP 327
 Case, 1982: p. 183, text-fig. 19-3
 Pit 11, Will County, Illinois.
- Pipiscius zangerli** Bardack & Richardson, 1977
 Referred specimens: HTP 153 → MCP 309, HTP
 5099 → MCP, HTP 5431 → MCP 310
 Bardack & Richardson, 1977: p. 490, no figs.
 Pit 11.
 MCP 309 is one piece only.
- Praeelpas damrowi** Schram, 1975
 Paratype: HTP 13120 → MCP 328
 Schram, 1975: p. 928, no figs.
 Pit 11.
- Priapulites konecniorum** Schram, 1973b
 Paratype: HTP 3265 → MCP
 Schram, 1973b: p. 985, pl. 1, fig. 3
 Pit 11.
 Paratype
 Conway Morris, 1977: p. 65, no figs.
- Prochoropectera calopteryx** Handlirsch, 1911
 Figured specimen: HTP 415 → MCP 337
 Carpenter & Richardson, 1978: p. 220, text-
 fig. 3 (composite), meas.
 Pit 11.
- Prochoropectera calopteryx** Handlirsch, 1911
 Figured specimen: HTP 12523 → MCP 333
 Carpenter & Richardson, 1978: p. 220, text-
 figs. 1, 2–3 (composites), meas.
 Pit 11.
 Obverse and reverse halves.
- Rhabdoderma sp.**
 Figured specimen: HTP 14002 → MCP 321
 Brink, 1976: p. 239, text-fig. second on right
 on p. 244
 Pit 11.
- Rhizodontid scale**
 Figured specimen: HTP 13077 → MCP 340
 Brink, 1976: p. 239, text-fig. second from bot-
 tom on p. 244
 Pit 11.

- Smithixerxes juliarum** Schram & Rolfe, 1982
 Figured specimen: HTP 4056 → MCP 317
 Schram & Rolfe, 1982: p. 1443, pl. 4, fig. 3
 Pit 11.
- Sottyxerxes pieckoae** Schram & Rolfe, 1982
 Figured specimen: HTP 7157 → MCP 324
 Schram & Rolfe, 1982: p. 1447, pl. 3, fig. 5
 Pit 11.
 Incorrectly cited as FMNH PE 31238.
- Tullimonstrum gregarium** Richardson, 1966a
 Figured specimen: HTP 727 → FMNH PE 14058
 Johnson & Richardson, 1969: p. 131, text-fig. 71
 Pit 11.
- Tullimonstrum gregarium** Richardson, 1966a
 Figured specimen: HTP 759 → FMNH PE 14059
 Johnson & Richardson, 1969: p. 140, text-fig. 77a
 Pit 11.
- Tullimonstrum gregarium** Richardson, 1966a
 Figured specimen: HTP 5212 → FMNH PE 14060
 Johnson & Richardson, 1969: p. 123, text-fig. 65
 Pit 11.
- POHL, JOSEPH** [confirmed]
 1860 Jay Rd.
 Belgium, WI 53004
- Eubleptus danielsi** Handlirsch, 1906
 Referred specimen: MPH 8
 Carpenter, 1983: p. 90, no figs.
 Pit 11.
- Orthopteroid**
 Referred specimen: unnumbered
 Richardson, 1980 (with spores): p. 222, no figs.
 No locality information.
 = Orthopteran
 Referred specimen
 Taylor & Scott, 1983: p. 488, no figs.
- Letzetia primordioli** Scudder, 1890
 Figured specimen: JP 61
 Mundel, 1979: p. 366, text-figs. 3, 10
 Pit 11.
 Incorrectly cited as FMNH PE 29004.
- POPP, WILLIAM C.** [confirmed]
 3244 Belle Plaine
 Chicago, IL 60618
- Priapulites konecniorum** Schram, 1973b
 Figured specimen: unnumbered → MCP 522
 Schram, 1973b: p. 985, pl. 1, fig. 2, meas.
 Pit 11.
 Paratype
 Conway Morris, 1977: p. 65, no figs.
- RAMSDELL, KARLENE AND STEVEN** [confirmed]
- Belotelson magister** Packard, 1885
 Figured specimen: KSR 24-1273 → MCP 178
 Baird et al., 1985: p. 265, text-fig. 6.8
 Pit 11, Kankakee County, Illinois.
- "Dasyleptus" sp.**
 Figured specimen: KSR 1388
 Kukalova-Peck, 1987: p. 2332, text-figs. 11-14 (composites)
 Pit 11.
- "Elonichthys" peltigerus** Newberry, 1856
 Referred specimens: 35-192 (largest fish → MCP)
 Schultze & Bardack, 1987: p. 7, no figs.
 Pit 11.
- Essexella asherae** Foster, 1979 (with *Strobeus* sp.)
 Figured specimen: KSR 602 → MCP 53
 Baird et al., 1985: p. 265, text-fig. 6.2
 Pit 11.
- Eucaenus ovalis** Scudder, 1885
 Figured specimen: KSR 54-879 → MCP 96
 Baird et al., 1985: p. 263, text-fig. 5.5
 Pit 11, Will County, Illinois.
- Euproops danae** Meek & Worthen, 1865
 Figured specimen: KSR 9-531 → MCP 170
 Baird et al., 1985: p. 263, text-fig. 5.7
 Pit 3, Don Kerner property, Will County, Illinois.
- Paraparchites sp.**
 Figured specimen: KSR 132 → MCP 40
 Baird et al., 1985: p. 263, text-fig. 5.6
 Pit 1, Will County, Illinois.
- Tullimonstrum gregarium** Richardson, 1966a
 Figured specimen: KSR 25 → MCP 185
 Baird et al., 1985: p. 265, text-fig. 6.6
 Pit 11, Kankakee County, Illinois.
- RATH, WILBERT**
 ↓
JAMES AND SYLVIA KONECNY PRIVATE
COLLECTION [confirmed]

Fastuoscolex gemmatus Thompson, 1979
Figured specimen: unnumbered
Thompson, 1979: p. 24, pl. 2, fig. 8
No locality information.

ROCK, RICHARD

|
CHRIS COZART PRIVATE COLLECTION [confirmed]
% Field Museum of Natural History
Chicago, IL 60605

Eubleptus danielsi Handlirsch, 1906
Referred specimens: 729, 817
Carpenter, 1983: p. 90, no figs.
Pit 11.

ROCKWELL, LORAINE [confirmed]

Conchopoma edesi Denison, 1969
Figured specimen: R 5239
Schultze, 1975: p. 214, text-fig. 17, pl. 3, fig. 6
Pit 11.

Etacystis communis Nitecki & Schram, 1976
Referred specimens: R 3, R 36
Nitecki & Schram, 1976: p. 1157, no figs.
Pit 11.

Etacystis communis Nitecki & Schram, 1976
Figured specimen: unnumbered
Case, 1982: p. 182, text-fig. 19.1 (lower photo)
Pit 11.

Gilpichthys greenei Bardack & Richardson, 1977
Figured specimen: R 5211
Bardack & Richardson, 1977: p. 497, text-fig. 7
Pit 11.
Part and counterpart.

Megapleuron zangerli Schultze, 1977
Holotype: R 5323
Schultze, 1977: p. 381, text-figs. 3-4
Pit 11.

Smithixerxes juliarum Schram & Rolfe, 1982
Referred specimens: 5125, 5701
Schram & Rolfe, 1982: p. 1443, no figs.
Pit 11.

SCHUSTER, TONY [confirmed]
5840 W. Warwick
Chicago, IL 60634

Ramsdelepidion schusteri Kukalova-Peck, 1987
Figured specimens: 1401, 973
Kukalova-Peck, 1987: p. 2334, text-figs. 15-17 (composites)
No locality information.

SHEFFEL-TENNANT, MILDRED D. [confirmed]
814 E. Hines Ave.
Peoria Heights, IL 61614

Anthracomedusa turnbulli Johnson & Richardson, 1968
Hypotype: MS 229
Foster, 1979: p. 224, text-fig. 6B
Pit 11.
Collector incorrectly cited as Scheffel.

Belotelson magister (Packard, 1886)
Referred specimen: MS 3979
Schram, 1974b: p. 32, no figs.
Strip mine 1 mile north of Summum, Fulton County, Illinois.
Incorrectly cited as MS 3999; collector incorrectly cited as Scheffel.

Cryptocaris hootchi Schram, 1974a
Referred specimen: MDS 3999
Schram, 1974a: p. 100, no figs., meas. tbl. 1
Pit 11.
Collector incorrectly cited as Sheffle.

"Elonichthys" wolffi Schultze & Bardack, 1987
Referred specimen: MDS 4064
Schultze & Bardack, 1987: p. 7, no figs.
Pit 11.
Collector incorrectly cited as Sheffle.

Essexella asherae Foster, 1979
Paratype: MS 10
Foster, 1979: p. 234, text-fig. 23B
Pit 11.

Essexella asherae Foster, 1979
Paratype: MS 66
Foster, 1979: p. 234, text-fig. 21C
Pit 11.

?**Essexella asherae** Foster, 1979 (with *Octomedusa pieckorum* Johnson & Richardson, 1968)
Figured specimen: MS 46
Foster, 1979: p. 234, text-fig. 29D
Pit 11.

Tullimonstrum gregarium Richardson, 1966a
Hypotype: MDS 5061
Foster, 1979: p. 280, text-fig. 5D
Pit 11.
Collector incorrectly cited as Scheffel.

- SHERMAN, LEVI [deceased]
↓
Collection dispersed
to unknown persons [O. F. Sherman,
pers. comm., 5/21/87]
- Cryptocaris hootchi** Schram, 1974a
Figured specimen: LS 1366
Schram, 1974a: p. 100, text-fig. 6B
Pit 11.
- Cryptocaris hootchi** Schram, 1974a
Figured specimen: LS 1995
Schram, 1974a: p. 100, text-fig. 6A, meas. tbl.
1
Pit 11.
- "Elonichthys" peltigerus** Newberry, 1856
Referred specimen: 16, 1179
Schultze & Bardack, 1987: p. 7, no figs.
No locality information.
- Eucaenus ovalis** Scudder, 1885
Figured specimen: W 57
Carpenter & Richardson, 1976: p. 225, text-
figs. 1 (composite), 7
Probably Pit 11.
- Kottixerxes gloriosus** Schram, 1971
Referred specimen: S 1005
Schram, 1971: p. 87, no figs., meas. in tbl. 1
No locality information.
- Pipiscius zangerli** Bardack & Richardson, 1977
Referred specimen: 1180
Bardack & Richardson, 1977: p. 492, no figs.
Pit 11.
Part and counterpart.
- SMITH, MARY PAT HELMUS [confirmed]
Chicago, Illinois
- Smithixerxes juliarum** Schram & Rolfe, 1982
Figured specimen: 3701 → MCP 325
Schram & Rolfe, 1982: p. 1443, pl. 4, fig. 5
Pit 11.
- Smithixerxes juliarum** Schram & Rolfe, 1982
Figured specimen: 3702
Schram & Rolfe, 1982: p. 1443, pl. 4, fig. 4
Pit 11.
- Smithixerxes juliarum** Schram & Rolfe, 1982
Referred specimen: 3703
Schram & Rolfe, 1982: p. 1443, no figs.
Pit 11.
- SOBOLIK, ANTON AND VIOLA [confirmed]
Dallas, Oregon
- Dryptoscolex matthiesae** Thompson, 1979
Figured specimen: unnumbered
Thompson, 1979: p. 176, pl. 2, fig. 3
No locality information.
- Escumasia roryi** Nitecki & Solem, 1973
Referred specimen: unnumbered
Nitecki & Solem, 1973: p. 904, no figs.
Pit 11.
- Pipiscius zangerli** Bardack & Richardson, 1977
Referred specimen: P 33
Bardack & Richardson, 1977: p. 490, no figs.
Pit 11.
Part and counterpart.
- SROKA, STEVEN D. [confirmed]
Dept. of Geology
University of Illinois at Urbana-Champaign
Urbana, IL 61801
- Edmondia** sp.
Figured specimen: SS 896 → MCP 514
Baird et al., 1985: p. 265, text-fig. 6.7
Pit 11, Kankakee County, Illinois.
- Palaeoxyris** sp.
Figured specimen: SS 1019 → MCP 515
Baird et al., 1985: p. 263, text-fig. 5.8
Pit 1, Will County, Illinois.
- Xyliulus** sp. Baird et al., 1985
Figured specimen: SS 769 → MCP
Baird et al., 1985: p. 263, text-fig. 5.3
Pit 6, Grundy County, Illinois.
- SUDA, ROGER AND FAMILY [confirmed]
8749 S. Newland Ave.
Oak Lawn, IL 60453
- Kottixerxes gloriosus** Schram, 1971
Figured specimen: unnumbered
Schram & Rolfe, 1982: p. 1435, pl. 1, figs. 2-
3
Pit 11.
- TESTA, THOMAS V. [confirmed]
735 N. 5th St.
Coal City, IL 60416
- "Dasyleptus" sp.**
Figured specimen: TVT 1290
Kukalova-Peck, 1987: p. 2332, text-figs. 11-
14 (composites)
Pit 11.

- "Elonichthys" peltigerus** Newberry, 1856
 Referred specimens: TVT 1, TVT 6, TVT 9,
 TVT 424, TVT 975
 Schultze & Bardack, 1987: p. 7, no figs.
 Pit 11.
 TVT 77 incorrectly included.
- "Elonichthys" wolffi** Schultze & Bardack, 1987
 Referred specimen: TVT 3
 Schultze & Bardack, 1987: p. 10, no figs.
 Pit 11.
- Holothurian**
 Figured specimen: unnumbered
 Baird et al., 1986: p. 279, text-fig. C
 Pit 11.
- Testajapyx thomasi** Kukulova-Peck, 1987
 Holotype: TVT 25
 Kukulova-Peck, 1987: p. 2331, text-figs. 1-9
 Pit 11.
- TIDD, PAUL** [unable to locate]
- Homaloneura dabasinskasi** Carpenter, 1964
 Figured specimen: unnumbered
 Carpenter & Richardson, 1971: p. 278, text-
 figs. 7-9
 Pit 11.
 Collected 1971.
- TULLY, FRANCIS** [deceased]
 ↓
TULLY, DANIEL [confirmed]
 Lockport, Illinois
- Adelophthalmus mazonensis** Kjellesvig-Waering,
 1963
 Referred specimen: unnumbered
 Kjellesvig-Waering, 1963: p. 86, no figs.
 Strip mines on Will-Grundy county line.
- Anthracaris gracilis** (Meek & Worthen, 1865)
 Referred specimen: unnumbered
 Schram, 1974b: p. 26, no figs.
 Essex, Illinois.
- Anthracomедusa turnbulli** Johnson & Richardson,
 1968
 Figured specimen: unnumbered
 Johnson & Richardson, 1968: p. 110, text-fig.
 59
 No locality information.
- "Elonichthys" peltigerus** Newberry, 1856
 Referred specimens: 490, 521
 Schultze & Bardack, 1987: p. 7, no figs.
 No locality information.
- "Elonichthys" wolffi** Schultze & Bardack, 1987
 Referred specimens: 432, 498
 Schultze & Bardack, 1987: p. 10, no figs.
 No locality information.
- Kottixerxes gloriosus** Schram, 1971
 Figured specimen: T 3
 Schram, 1971: p. 87, text-figs. 1, 7, meas. tbl.
 1
 No locality information.
- Kottixerxes gloriosus** Schram, 1971
 Referred specimen: T 4
 Schram, 1971: p. 87, no figs., meas. tbl. 1
 No locality information.
- Megalichthys cf. hibberti**
 Figured specimen: T 248
 Schultze, 1974: p. 31, text-figs. 1-3
 Pit 11.
- Megalichthys cf. hibberti**
 Referred specimens: T 364, T 452
 Schultze, 1974: p. 31, no figs.
 Pit 11.
- Nemavermes mackeei** Schram, 1973b
 Figured specimen: T 422
 Schram, 1973b: p. 987, pl. 2, fig. 4
 No locality information.
- Rhabdoderma exiguum** Eastman, 1902
 Figured specimen: T 495
 Schultze, 1980: p. 1, text-fig. 6B
 No locality information.
- Rhabdoderma exiguum** Eastman, 1902
 Figured specimen: unnumbered
 Langford, 1963: p. 118, text-figs. 210-211
 No locality information.
- Rhabdoderma exiguum** Eastman, 1902
 Figured specimen: unnumbered
 Langford, 1963: p. 118, text-fig. 212
 No locality information.
- TURNBULL, JAMES** [confirmed]
 293 McMillan St.
 Grayslake, IL 60030
- Escumasia roryi** Nitecki & Solem, 1973
 Figured specimen: unnumbered → FMNH PE
 24005
 Nitecki & Solem, 1973: p. 904, pl. 2, fig. 3
 Pit 11.
 Both halves.

- Tullimonstrum gregarium** Richardson, 1966a
 Figured specimen: unnumbered → FMNH PE 29371
 Johnson & Richardson, 1969: p. 132, text-fig. 72a
 Pit 11.
 One-half only.
- TURNER, F. R.** [no response]
- Turneropterum turneri** Kukalova-Peck & Richardson, 1983
 Holotype: RT 103
 Kukalova-Peck & Richardson, 1983: p. 1680, text-fig. 15, meas.
 Strip mine near Worthington, Indiana.
 Part and counterpart.
- Turneropterum turneri** Kukalova-Peck & Richardson, 1983
 Paratype: RT 102
 Kukalova-Peck & Richardson, 1983: p. 1680, text-fig. 16, meas.
 Strip mine near Worthington, Indiana.
 Part and counterpart.
- ULASZEK, ROBERT H.** [confirmed]
- Titanoceras** sp.
 Figured specimen: unnumbered
 Saunders & Richardson, 1979: p. 336, text-fig. 1a, meas.
 Pit 14.
- UMBACH, L. M.** [deceased]
- Paolia superba** Scudder, 1885
 Referred specimen: unnumbered → FMNH P 17930
 Scudder, 1885: p. 173, no figs., meas.
 Mazon Creek, near Morris, Illinois.
 = *Parapaolia superba* (Scudder, 1885)
 Referred specimen
 Handlirsch, 1908: p. 687, no figs.
 Both halves.
- WARACHOWSKI, CARL F.** [confirmed]
 6054 S. Komensky
 Chicago, IL 60629
- Kottixerxes gloriosus** Schram, 1971
 Figured specimen: unnumbered → FMNH PE 39223
 Schram & Rolfe, 1982: p. 1435, pl. 1, fig. 4
 No locality information.
- WICKKIZER, BERKLEY E.** [deceased]
 ↓
ASHER PRIVATE COLLECTION
 5821 N. Graceland Dr.
 Peoria, IL 61614
- Cryptocaris hootchi** Schram, 1974a
 Figured specimen: BW 100
 Schram, 1974a: p. 100, text-fig. 8, meas. tbl. 1
 Pit 11.
- WITMER, HARRY C.** [confirmed]
- Adelophthalmus mazonensis** Kjellesvig-Waering, 1963
 Referred specimen: unnumbered → given to unknown museum (copper cast = FMNH PE 7102)
 Kjellesvig-Waering, 1963: p. 89, no figs., meas.
 Strip mines, Will or Grundy County, Illinois.
- WOLFF, FRANCIS AND TERRY** [confirmed]
 641 Oneida Ave. NE
 Port Charlotte, FL 33952
- Conchopoma edesi** Denison, 1969
 Referred specimen: unnumbered → FMNH PF 5904
 Denison, 1969: p. 195, no figs., meas.
 Pit 11.
- Escumasia roryi** Nitecki & Solem, 1973
 Figured specimen: W 82 → FMNH PE 24004
 Nitecki & Solem, 1973: p. 905, pl. 1, fig. 5
 Pit 11.
 Both halves.
- Escumasia roryi** Nitecki & Solem, 1973
 Figured specimen: W 90 → FMNH PE 24002
 Nitecki & Solem, 1973: p. 905, pl. 2, fig. 6
 Pit 11.
 Both halves.
- Eubleptus danielsi** Handlirsch, 1906
 Figured specimens: W 229, W 233
 Carpenter, 1983: p. 84, text-fig. 8 (composite)
 Pit 11.
- Eucaenus ovalis** Scudder, 1885
 Referred specimens: W 243, W 653
 Carpenter & Richardson, 1976: p. 225, no figs.
 No locality information.

Gerarus danielsi Handlirsch, 1906
Referred specimen: W 491 → FMNH PE 40126
Burnham, 1983: p. 17, no figs.
Mazon Creek, Illinois.
Figured specimen
Kukalova-Peck, 1987: p. 2336, text-figs. 18,
19 (composite)

Gerarus vetus Scudder, 1885
Referred specimen: W 301 → FMNH PE 39866
Burnham, 1983: p. 14, no figs.
Mazon Creek, Illinois.

Gilpichthys greenei Bardack & Richardson, 1977
Figured specimen: W 164
Bardack & Richardson, 1977: p. 497, text-fig.
8
Pit 11.
Incorrectly cited as half nodule only; nodule is
complete.

Kottixerxes gloriosus Schram, 1971
Figured specimen: W 654
Schram, 1971: p. 87, text-fig. 11
No locality information.

Megalichthys cf. hibberti
Referred specimens: W 22, W 152, W 156, W
171, W 201, W 385, W 390, W 863
Schultze, 1974: p. 31, no figs.
Pit 11.

Megapleuron zangerli Schultze, 1977
Referred specimen: W 5701
Schultze, 1977: p. 381, no figs.

Rhizodopsis sp.
Referred specimens: W 65, W 671, W 847, W
850, W 872
Schultze, 1974: p. 38, no figs.
Pit 11.

Tyrannophontes theridion Schram, 1969
Figured specimen: W 88 → FMNH
Schram, 1969: p. 261, text-fig. 132
No locality information.

WOLLIN, JAY [confirmed]
Oakton Community College-Division 1
1600 E. Golf Rd.
Des Plaines, IL 60016

Tullimonstrum gregarium Richardson, 1966a
Figured specimen: W 57 → FMNH PE 29372
Johnson & Richardson, 1969: p. 138, text-fig.
76
Pit 11.

Tullimonstrum gregarium Richardson, 1966a
Figured specimen: W 90 → FMNH PE 39890
Richardson, 1966b: p. 5, text-fig. on p. 6
Pit 11.
Figured specimen
Johnson & Richardson, 1969: p. 133, text-fig.
72b

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Index

Species	Collector	Species	Collector
<i>Acantherpestes major</i>	Even	<i>Dryptoscolex matthiesae</i>	Piecko
<i>Acanthotelson eveni</i>	Even		Sobilik
<i>Acanthotelson simpsoni</i>	Even		
<i>Achistrum</i> sp.	Piecko	<i>Edmondia</i> sp.	Sroka
<i>Adelophthalmus mazonensis</i>	Even	" <i>Elonichthys</i> " <i>hypsilepis</i>	Cozart
	Herdina		Lietz
	Tully		McLuckie
	Witmer		Mosiman
<i>Alloscorpius danielsi</i>	Daniels		Piecko
<i>Amphibamus grandiceps</i>	Daniels	" <i>Elonichthys</i> " <i>peltigerus</i>	Asher
	Even		Cozart
	Piecko		Cramer
<i>Anthracararis gracilis</i>	Even		Damrow
	Tully		Daniels
<i>Anthracomedusa turnbulli</i>	Greene		Harris
	Sheffel-Tennant		Kolodzyk
	Tully		Lietz
<i>Anthracophausia ingelsorum</i>	Ingels		McLuckie
<i>Anthropalaemon gracilis</i>	Even		Osterberger
<i>Arthrolycosa danielsi</i>	Daniels		Piecko
<i>Arthropleura cristata</i>	McLuckie		Ramsdell
<i>Arthropleura</i> sp.	McLuckie		Sherman
<i>Astreptoscolex anasillosus</i>	Piecko		Testa
<i>Aviculopecten mazonensis</i>	McLuckie	" <i>Elonichthys</i> " <i>wolffi</i>	Tully
			Sheffel-Tennant
<i>Belotelson magister</i>	Asher		Testa
	Davenport		Tully
	Konecny	<i>Eoscorpius carbonarius</i>	Daniels
	Ramsdell	<i>Eoscorpius danielsi</i>	Daniels
	Sheffel-Tennant	<i>Esconichthys apopyris</i>	Herdina
bivalve	LeMay		Johnson
"blob"	Cooper		Piecko
		<i>Esconites zelus</i>	Piecko
cephalopod	Cramer	<i>Escumasia roryi</i>	Dabasinskas
	Holtz		Sobilik
	LeMay		Turnbull
<i>Conchopoma edesi</i>	Douglass		Wolff
	Herdina	<i>Essexella asherae</i>	Asher
	Konecny		Greene
	Piecko		Ramsdell
	Rockwell		Sheffel-Tennant
	Wolff	<i>Essoidia epiceron</i>	George
<i>Cryptocaris hootchi</i>	Bietz	<i>Etacystis communis</i>	Konecny
	Damrow		Piecko
	LeMay	<i>Eubleptus danielsi</i>	Rockwell
	Sheffel-Tennant		Bandringa
	Sherman		Damrow
	Wickkizer		Daniels
<i>Cryptozoe problematicus</i>	Carr		Harris
cubomedusan	Asher		Piecko
<i>Curculioides gracilis</i>	McLuckie		Pohl
			Rock
<i>Dasyleptus</i> sp.	Cozart		Wolff
	Ramsdell	<i>Eubrodia dabasinskasi</i>	Dabasinskas
	Testa		Piecko
<i>Dipeltis diplodiscus</i>	Carr	<i>Eucaenus ovalis</i>	Greene
	Daniels		Morreau
<i>Diplodiscus carri</i>	Carr		Ramsdell
dipnoan	Herdina		Sherman
<i>Dittodus latus</i>	Daniels		Wolff
<i>Drevotella proteana</i>	Ingels	<i>Euphoberia armigera</i>	Even
	Piecko	<i>Euphoberia major</i>	Even

Species	Collector	Species	Collector
<i>Euproops danae</i>	Ramsdell	<i>Mamayocaris jaskoskii</i>	Piecko
<i>Eurypterus mazonensis</i>	Even	<i>Mayomyzon pieckoensis</i>	Herdina
<i>Fastuoscolex gemmatis</i>	Rath	<i>Mazonopterus wolfforum</i>	Piecko
<i>Fossundecima konecniorum</i>	Konecny	<i>Mcluckiepteron luciae</i>	Daggett
	Nelson	<i>Megalichthys cf. hibberti</i>	McLuckie
	Piecko		Herdina
<i>Genentomum carri</i>	Daniels		Piecko
<i>Genentomum validum</i>	Daniels	<i>Magalichthys sp.</i>	Tully
<i>Geralinura gigantea</i>	Knowlton		Wolff
<i>Gerarus danielsi</i>	Damrow	<i>Megapleuron zangerli</i>	Kott
	Daniels		LeMay
	Wolff		Dabasinskas
<i>Gerarus vetus</i>	Damrow		Piecko
	Douglass	<i>Mischoptera douglassi</i>	Rockwell
	Wolff		Wolff
<i>Gilpichthys greenei</i>	Douglass	<i>Monura sp.</i>	Douglass
	Piecko		Piecko
	Rockwell	<i>Mycterops sp.</i>	Agazzi
	Wolff	<i>Mylacris similis</i>	Lietz
<i>Hadentomum americanum</i>	Daniels		Konecny
<i>Haplolepit</i>	Piecko	<i>Nemavermes mackeei</i>	Daniels
<i>Helminthochiton concinnus</i>	McLuckie		Herdina
<i>Herdina mirificus</i>	Herdina	<i>Neofouquea suzanneae</i>	Tully
<i>Hesslerella shermani</i>	Asher		Dabasinskas
	Bietz	<i>Octomedusa pieckorum</i>	Sheffel-Tennant
	Damrow	<i>Oligotypus makowskii</i>	Makowski
	George	<i>Ootarbuis pulcher</i>	McLuckie
<i>Heterotarbuis ovatus</i>	Daniels	<i>Ophiderpeton amphiuminum</i>	Piecko
Holothurian	Testa	orthopteroid	Pohl
<i>Homaloneura dabasinskasi</i>	Dabasinskas		
	Tidd	<i>Palaeocarrina ornata</i>	Daniels
<i>Illiniichthys cozarti</i>	Cozart	<i>Palaeoxyris sp.</i>	Piecko
			Sroka
<i>Jeletzkyia douglassae</i>	Ade	<i>Paleocadmus herdinae</i>	Herdina
	Douglass	<i>Paolia superba</i>	Umbach
	Gubbe	<i>Parapaolia superba</i>	Umbach
	Konecny	<i>Paraparchites sp.</i>	Ramsdell
<i>Jeletzkyia sp.</i>	LeMay	<i>Paucijaculum samamithion</i>	Damrow
		<i>Pipiscius zangerli</i>	Douglass
<i>Kallidecthes richardsoni</i>	Herdina		Kimball
	Piecko		Piecko
<i>Kellibrooksia macrogaster</i>	Konecny	<i>Poliochera punctulata</i>	Sherman
	Piecko	<i>Praelepas damrowi</i>	Sobilik
<i>Kottixerxes gloriosus</i>	Herdina		Daniels
	Piecko	<i>Prestwichia danae</i>	Damrow
	Sherman	<i>Priapulites konecniorum</i>	Piecko
	Suda		Carr
	Tully		Herdina
	Warachowski		Piecko
	Wolff		Popp
<i>Kronoscorpio danielsi</i>	Daniels	<i>Prochroptera calopteryx</i>	Fagan
<i>Kustarachne conica</i>	Daniels		Osterberger
		<i>Protophrynus carbonarius</i>	Piecko
<i>Larryia osterbergi</i>	Osterberger	<i>Pterochiton concinnus</i>	Daniels
<i>Lascoa mesostaurata</i>	Lasco		Hendrick
<i>Latzelia primordialis</i>	Konecny		
	Pohl	<i>Ramsdelepidion schusteri</i>	Schuster
<i>Lepidoderma mazonense</i>	Even	<i>Rhabdoderma exiquum</i>	Tully
<i>Lepidostrobis braidwoodensis</i>	Harvey	<i>Rhabdoderma sp.</i>	Piecko
<i>Lithoneura clayesi</i>	Clayes	<i>Rhaphidiophorus hystrix</i>	Konecny
<i>Lycodemas adolescens</i>	Herdina	Rhizodontid	Piecko

Species	Collector	Species	Collector
<i>Rhizodopsis mazonius</i>	Herdina	<i>Titanoceras</i> sp.	Ulaszek
<i>Rhizodopsis</i> sp.	Wolff	<i>Titanoscorpio douglassi</i>	Cramer
<i>Sagenodus occidentalis</i>	Daniels		Douglass
<i>Sagenodus quadratus</i>	Daniels	<i>Trigonomortus</i> sp.	Lietz
<i>Sagenodus quincunciatus</i>	Daniels	<i>Trigonomortus pustulatus</i>	Daniels
scallop	LeMay	<i>Trigonoscorpio americanus</i>	Daniels
<i>Sigillaria</i> sp.	McLuckie	<i>Tullimonstrum gregarium</i>	Asher
<i>Smithixerxes juliarum</i>	Hay		George
	Piecko		Konecny
	Rockwell		Kott
	Smith		Piecko
<i>Sottyixerxes pieckoae</i>	Piecko		Ramsdell
<i>Spilaptera americana</i>	Herdina		Sheffel-Tennant
<i>Stearoceras</i> sp.	LeMay		Turnbull
<i>Strobeus</i> sp.	Greene	<i>Turneropterum turneri</i>	Wollin
	Ramsdell	<i>Tyrannophontes theridion</i>	Turner
			Herdina
<i>Testajapyx thomasi</i>	Testa		Wolff
<i>Thelyphrynus elongatus</i>	Daniels	<i>Xyliulus</i> sp.	Sroka



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