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Record of specimens of fossils in U.W. collection. 1877/1971

[s.l.]: [s.n.], 1877/1971

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RECORD OF SPECIMENS OF
FOSSILS IN U. W. COLLECTION

0/2549	1	
0/2550	1	3583
0/2551	1	
0/2552	4	
0/2553	5	
0/2554	1	
0/2555	2	
0/2556	1	
0/2560	1	1951
0/2561	(1)	3110

0/2562	1	0/2579	1
0/2565	(1)	0/2580	1
0/2568	1		
0/2570	(1)		
0/2571	1		
0/2572	2		
0/2573	4		
0/2575	1		
0/2577	4		
0/2578	1		

Vert. 1
P. 70j

3318

22

63-65, 67-74 (74=mega.th.)

96

99

3413 - 15

20, 23, 53, 95?

3501 ~~27?~~

3639, 98

3705, 91

3807-10, 71, 76

(Machacero)

3911, 4290, 4356, 4637

Total ~~upto end of p. 111~~

<u>68</u>	126	154	219	289
296 ³⁰⁶	315-317	331	355	
401	585	598	648-49,	670
989	1055	1405	1677	1774
1893	1915	1990	2193	

OVER

GLYPTODON RETICULATUS OWEN

During the Pliocene and Pleistocene glyptodon ranged from southern United States to Patagonia. Harmless vegetarians, they were protected from their enemies by their heavy armor and their spiked tail. They are closely related to the armadillo and became extinct at the end of the Ice Age (Pleistocene).

The original skeleton from which this cast was made was found in Pleistocene beds in Argentina and is now in a museum in Dijon, France.

345i1 - Maple Bluff
near Madison Wisc.,
same as material collected
by Ulrich; W. O. Hutchings
weird man and thwarts,

July 1914

This lot sent in 1920
by Wisc. Geol. Survey
(over)

3456 Mendota
limestone (upper)
upper beds of
Mendota near top of
Maple Bluff. Like
Mendota, near Madison
Wis. collections.

Ulrich, Hotchkiss,
Weidman, Thumate

July
1912

①

Record of Specimens of Fossils in U. of W. Collection.

The numbers in this record refer to numbers in black ink written on the specimens themselves. Numbers on rhombs of green paper, or ^{red or} in white paint refer to other and previous classifications.

By using this record, information about any desired specimen may be found in the following manner: Look up the number of the fossil, and having found the period and biologic group to which it belongs, find the appropriate card in the card-index file. In this index the fossils are classified, first by periods, and secondly by biologic groups; and within each group the cards are arranged alphabetically. These cards contain all the information which is available concerning each specimen.

Checked by F.T.T. 1912

S = systematic collection (III)

D = display collection

G = general collection

E = elementary " (I)

H = historical " (II)

D = disposed

U = sent to U.S.N.M. - loan

Falls of Ohio, Ky. ... Ward's Nat. Sci. Soc. Ref. - Pal. N. Y. H., Pl. 29.
Spirifer acuminata, Conn. Onondaga Ls. (H. Helderberg gr.)

See.

Brach.

~~Eau Claire, upper - Drebach, Minn.~~

Eau Claire, upper - Drebach, Minn.

Cresasis minuta. St. John Group. Div. 3 - St. John N.B., Canada. Cambrian Pteropods.
 Coll. G. P. Mathews.

Wisconsin (?)

Canalgrande, Dardania, Italy.

Coll. F. Krantz.

Reynolds Slate Quarry, 1 mi. n. of Hessian Corners, N. Y.
 Coll. J. N. Paley

There is a reference to this species in 'Geology of Wisconsin, 1878-1879',
 4 vol. edition, p. 231 of vol. 4. *Cyrtoceras camurum* HALL

Kinderhook formation. Rockford, Ill. Ref. - U.S. & S. Mon. 42, p. 121.

- 1 Muensteroceras parallelum - Mississippian - Cephalopod
Clathrospira Trenton - Beloit, Wis. H.C. Powers.
- 2 Pleurotomaria subconica - Ordov. - Gastropod
L. Carboniferous L.S. Iowa. Ref. Mo. S. 4. Pl. 72.
- 3 Fusulina cylindrica Powers. Pennsylv. - Protozoan
Niagara Formation. Lemont, Ill. coll. Blackwelder.
- 4 Lampyroceramus inflatus - Silurian - Crinoids
Bond Ref. - Geol. of Iowa, 1, 2.
- 5 Acervularia davidsoni Powers. " Coral
- 6 Ordov. Graptolite
- 7 Iocrinus subcrassus Cincinnati, Ohio Ordov. - Crinoids
L. Carbon. N. of C. exch. Ref. - Pal. N. Y. Vol. 1, pl. 1.
- 8 Productus nebrascensis - Mississ. Brachiopods
- 9 Orthoceras multicameratum - Ordov. - Cephalopod
From a bit. coal seam in the Cornsleville mine, Pa.
- 10 Calamites Suehovi - Pennsylv. - Plant
Large stem showing leaf scars.
- 11 Stigmaria Horizon & locality unknown. Pennsylv. - Plants.
- 12 Platystrophia. Id. Can.
- 13 ~~Platystrophia~~ Subquadrata Cincinnati, Ohio Ordov. Brachiopods
Ward and Howell.
- 14 Streptelasma corniculum Trenton Richmond, Ind. C.W. Hall. Ordov. Coral
- 15 Lingula cuneata. Silurian. Brachiopods.
Medina ss. Medina, N.Y. Ward & Howell.
- 16 Strophomena filitexta Ordov. Trenton - Wis. Brach.
- 17 Lingula ampla. Camb. Brach.
- 18 ~~Agelacrinus~~ Agelacrinus cincinnatiensis. Cincinnati, group Covington, Ky. Ward and Howell. Ordov. Cystoids.
- 19 Cretambonites diversus altissimus Helena, Bshkosh. Camb.
- 20 Orthus lenticularis. Camb. Brach.
- 21 Hyolithes Terranovensis. Camb. C.D.W. 1885. Pterop.
- 22 Eozoon Canadense. Laurentian - Doubtful
Laurentian gneiss, Petite Nation, Canada. Ward & Howell.
- 23 Obolus politus Camb. Brachiopod
B. cellonius
- 24 Phyllograptus typus. Quebec group. St. Lewis, Canada. Ward and Howell. Ordovician. Graptolites.
- 25 Oldhamia radiata. Camb. Plants (?)
- 26 Archaeocyathus, sp. Camb. Corals.
- 27 Solenopleura acedica. Camb. Tril.
- 28 Diplograptus simplex. Camb. Graptol.
Ord. - Canadian.
- 29 Paradoxides Bohemicus. Bohemia. Graptol.
Transferred to Structures. Ward & Howell.
- 30 Silenus giganteus. Silurian Trilobites.
- 31 Metoptoma perovalis. Ordov. Trenton Gastrop.
- 32 Cyrtoceras camurum. Mid. H.C. Powers about 1883. Cephalopods.
- 33 Cyrenodontia gibberula. Trenton, Pa. Ordov. Brach.
- 34 ~~Trilobites~~ Protopsis cincinnatiensis. Cincinnati, shale Covington, Ky. Ward and Howell. Ordov. Pelecyp.
- 35 Belleroophon bilobatus. Dow. Ordov. Gastropods.
- 36 Cypricardites niota. Beloit, Wis. Ordov. Pelecyp.
- 37 Rutzia melonica. "Nat. Silur" Konigsm., Bohmen Ordov. Br.
- Dr. F. Krantz, Bonn.

- 38 *Hypothyris* ^{Wenlock Ls. Eng.} Devon. Brach.
- 39 *Euomphalus discors*, ^{Dr. F. Krantz, Bonn. (59)} Silur. Gastrop.
- 40 *Cystoceras nymphaeoides?* ^{Trenton, Beloit, Wis.} Ordovician. Cephalopods.
- 41 *Trenton limestone.* Ordovician. Brach.
- 42 *Strophomena nutans*. ^{Cincinnati shale, Waynesville, Ohio, Ward and Howell} Ordov. Brach.
- 43 *Cyclonema biley* ^{Cincinnati group, Waynesville, Ohio, Ward and Howell} Ordovician. Gastropods.
- 44 *Orthoceras duxeni*. ^{Cincinnati shale, Waynesville, Ohio, Ward and Howell} Ordov. Cephal.
- 45 *Lophospira belicteres*. ^{Trenton, Beloit, Wis. H.C. Powers.} Ordov. Gastrop.
- 46 *Zygospira modesta*. ^{Cincinnati shale, Waynesville, Ohio, Ward and Howell} Ordov. Brach.
- 47 *Machurea magna*. ^{it's Trenton, Beloit, Wis. Ward and Howell} Ordovician. Gastropods.
- 48 *Capulus hercynicus*. ^{unt. Silur. Bohemia, Dr. F. Krantz, Bonn.} Ordov. Gastrop.
- 49 *Leperditia fabulites* ^{Trenton, Beloit, Wis. H.C. Powers.} Ordov. Ostrocode.
- 50 *Orthoceras multicameratum* ^{Trenton, Beloit, Wis.} Ordovician. Cephalopods.
- 51 *Pleurocystites Sidwicksi*, Barr. ^{Drabov, Bohemia. Dr. F. Krantz, Bonn.} Ordov. Cystoids.
- 52 *Echinosphaerites Ottawensis* ^{Drabov, Bohemia. Dr. F. Krantz, Bonn.} Ordov. Cystoids.
- 53 *Dalmanites socialis* ^{Ordovician} Ordov. Brach.
- 54 *Fabulites occidentalis* ^{Cincinnati group, Ward and Howell} Ordov. Brach.
- 55 *Orthis sinuata*. ^{Cumberland Co., Tenn. mid. Ordov. Trenton, 1st layer Rock County} Ordov. Cephal.
- 56 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 57 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 58 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 59 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 60 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 61 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 62 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 63 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 64 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 65 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 66 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 67 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 68 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 69 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 70 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 71 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 72 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 73 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.
- 74 *Orthis sinuata* ^{Whitfield doceras} Ordov. Cephal.

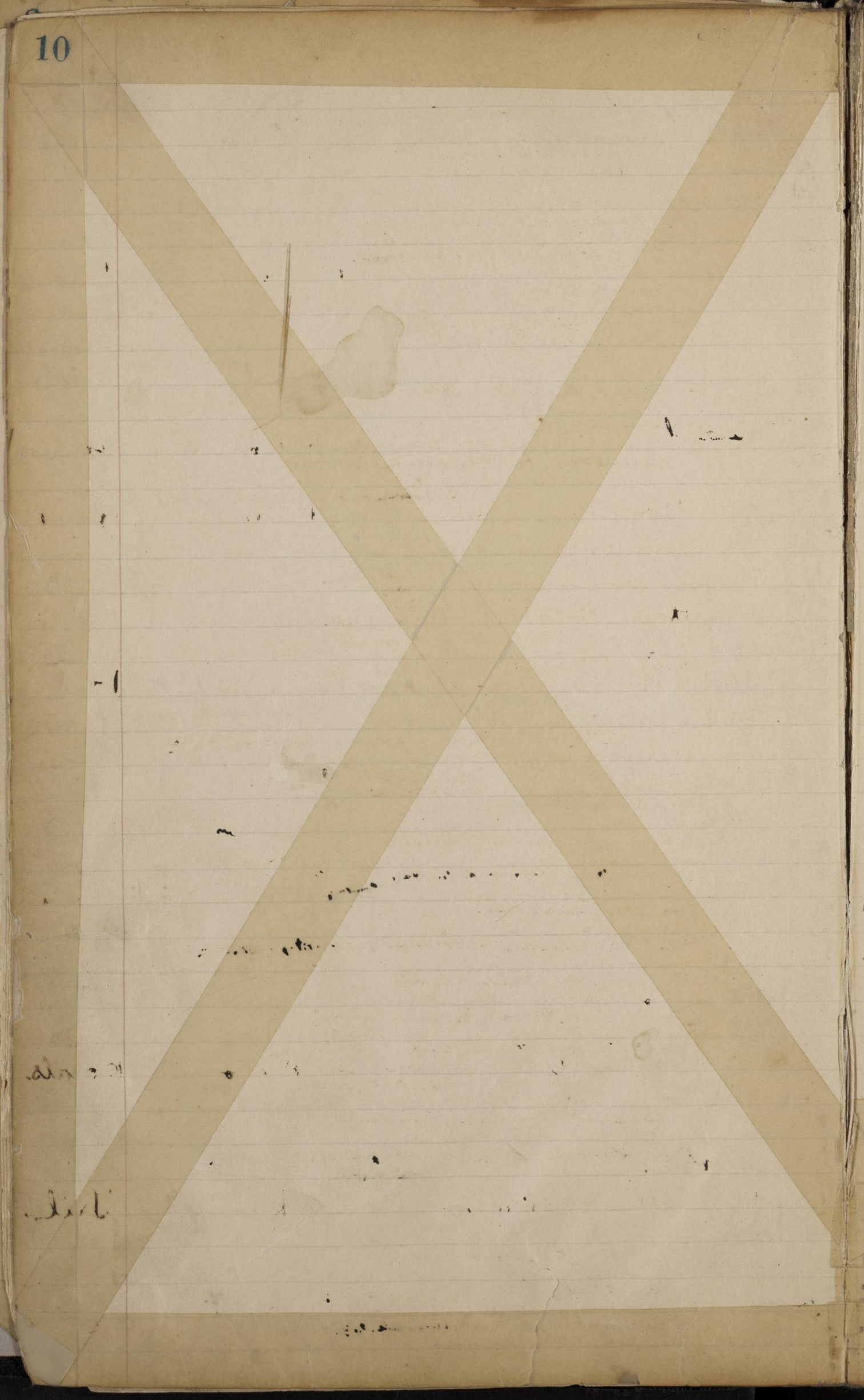
- 10
 10133 75 *Monograptus convolutus*. ^{Silurian. Braun, Bohemia.} ^{Hesinger.} ^{Ward's Nat. Sci. Est.} Silurian. Graptolites.
 76 *Columnaria alveolata*. ^{Belost.} ^{Ordov.} ^{Powers.} Ordov. Corals.
 77 *Didymograptus nitidus*. ^{Ruesch. Zee.} ^{Pt. Severn, Canada.} ^{Ordov.} ^{Ward.} Ordov. Graptol.
 10061 78 *Septobolus lepis*. ^{Richmond.} ^{Courington, Ky.} Ordov. Brach.
 R 79 *Meristella maria*. ^{New cat. no. 1420} ^{Niagara Ls. Hawthorne, Ill.} ^{Ward's Nat. Sci. Estab.} Silurian. Brach.
 80
 81
 82 *Glyptocrinus nodilis*. ^{Racine, Wis.} ^{Niagara.} ^{Silur.} ^{Coll. H.C. Powers.} Crinoids.
 D 83 *Situites undatus*. ^(lost) ^{Ordov.} Cephal.
 84 *Root-like base of Crinoid*. ^{Niagara. Waldron, Ind.} ^{Silurian} ^{Crinoid}
 85 *Dalmanites Hausmanni*. ^{U. Sil. Loch Koo. Barrande, Syst. Sil. d. la. Boh. I, Pl. 23.} ^{Silur.} ^{Ward & Howell.} Tril.
 10991 86 *Blinograptus typicalis*. ^{Dudley, Eng. Frantz, Bonn. (89) U. Sil. Richmond.} ^{Ordov.} ^{Ward & Howell.} Graptol.
 87 *Omphyma turbinata*. ^{U. Silurian. Gotland, Sweden.} ^{Silur.} ^{Dr. F. Frantz, Bonn. (92)} Corals.
 88
 89 *Stylodonta praemorsa*. ^{U. Sil. Gotland, Sweden.} ^{Silur.} ^{Ward & Howell.} Sponges.
 90 *Trochoceras optatum*. ^{Loch Koo, Bohemia. Frantz. (72)} ^{Silur.} Cephal.
 91 *Orinellus Thompsoni*. [?] ^{I. Camb.} Tril.
 10141 92 *Orinellus Thompsoni*. [?] ^{Ectenocrinus}
 93 *Pterinea retroflexa*. ^{U. Sil. Dudley, Wenlock Ls.} ^{Sturtz, Bonn. (3940)} ^{Silur.} ^{Pelagyp.}
 94 *Favosites immonsi*. ^{Ward & Howell.} ^{Silur.} ^{Corals.}
 95 *Platystrophia niagarensis*. ^{Waldron, Ind.} ^{Silur.} ^{Gastrop.}
 96 *Strophostylus cyclostomus*. ^{Niagara.} ^{Silur.} ^{Gastrop.}
 97 *Alveolites Saboeui*. ^{U. Silur. Dudley, Wenlock} ^{Silur.} ^{B. Sturtz, Bonn. (3942)} ^{Corals.}
 98 *Hemicystites stellatus*. ^{Richmond.} ^{Ordov.} ^{Powers.} ^{Cystoids.}
 99 *Omphyma murchisoni*. ^{Dudley, Eng.} ^{Wenlock Beds.} ^{Silur.} ^{Ward's Nat. Sci. Est.} ^{Corals.}
 100 *Ichthyocrinus*. ^{Niagara group.} ^{Silur.} ^{Ward's Nat. Sci. Est.} ^{Crinoids.}
 01 *Beyrichia tuberculata*. ^{Koenigsburg, Baltic Sea.} ^{Sturtz, Bonn. (3942)} ^{U. Sil.} ^{Ostracods.}
 02 *Acrularia ananab*. ^{B. Sturtz, Bonn. (3950)} ^{U. Silur. Gotland, Swed.} ^{Silur.} ^{Corals.}
 03 *Saccocrinus christy*. ^{Waldron, Ind.} ^{Niagara} ^{Coll. H.C. Powers.} ^{Crinoid}
 04 *Astrocerium pyriforme*. ^{Hall.} ^{Niagara group. St. Paul, Ind.} ^{Silur.} ^{Ward & Howell.} ^{Corals.}
 05 *Harpes ungula*. ^{U. Sil. Oloukhove, Bohemia.} ^{Sturtz, Bonn. (3939)} ^{Silur.} ^{Tril.}
 06 *Encalyptocrinus crassus*. ^{Niagara group. Waldron, Ind.} ^{Silurian} ^{Crinoids.}
 07 *Fenestella acmea*. ^{Niagara Ls. Waldron, Ind.} ^{Silur.} ^{Powers.} ^{Bygonians.}
 08 *Climacograptus bicornis*. ^{Niagara Ls. Waldron, Ind.} ^{Ordov. (3)} ^{Graptol.}
 09 *Retiolites gunitzianus*. ^{Nendren Tel, Thuringia.} ^{U. Sil. Loderitz, Bohemia.} ^{F. Frantz, (78)} ^{Silur.} ^{B. Sturtz, Bonn. (3950)} ^{Graptol.}
 110 *Aridaspis prevosti*. ^{Barr.} ^{Silur.} ^{Tril.}
 11 *Strophostylus cyclostomus*. ^{Koenigsburg, Baltic Sea.} ^{Sturtz, Bonn. (3942)} ^{Silur.} ^{Gastropod.}
 111 *Niag.* ^{Waldron, Ind.} ^{U. of C. exch.}

From the Niagara Ls. in Chic. Drainage Canal at Lemont, Ill.
Niagara Ls. Lemont, Ill. Coll. Eliot Blackwelder.

(123)

Cryptozoon
Cambro - Ordovician
N.Y. ?

- 112 *Halysites escharoides* ^{Gottland, Sweden. Dr. F. Krantz. (39).} Silur. Coral
- 113 *Calymene magarensis* ^{Ward & Howell. (3965)} Silur. Trilobite
- 114 *Diphyphyllum conjunctum* ^{Chamney. B. Sturtz, Bonn. (3968).} Devon. Coral
- 115 *Araucarioxylon Saxonium* ^{Goldf. Perm. Chemnitz, Germany} Gymnosperm
- 116 *Receptaculites Oweni* ^{Dalena Plateau, Niagara} Ordov. Coral
- 117 *Callicrinurus cornutus* ^{Saxony Ward & Howell.} Silur. Crinoid
- 118 *Phragmoceras Broderips.* Silurian Cephalopods.
- 119 *Murchisonia Boydi.* Silur. Gastrop.
- 120 *Syringopora verticellata* ^{Rhine, Wis. Acad. Sci. (433)} Silur. Corals.
- 121 *Capulus elegans* ^{B. Sturtz, Bonn (3949)} Silur. Gastrop.
- 122 *Hostinella hostinensis* ^{Krantz, Bonn. (14)} Silur. Plants.
- 123 *Murchisonia* ^{Cambro-Ordovician} Plants (Algae)
- 124 *Crachnophyllum typus* ^{Gottland, Sweden. B. Sturtz, Bonn.} Silur. Corals.
- 125 *Eucalyptocrinus crassus* ^{Waldron, Ind. Niagara} Silur. Crinoids
- 126 *Cephalaspis (Thyestes) verrucosus.* ^{Eichw. in Sil. Fusch, Desel, Lioland, Russia, Krantz, Bonn. (80)} Silur. Fishes?
- 127 *Syringopora verticellata.* Silur. Corals.
- 128 *Arcturina Konincki, Bde.* Silur. Trilobite
- 129 *Zaphrentis Racinensis* ^{Niagara, Ohio. Coll. H.C. Powers.} Silur. Corals.
- 130 *Amphirochelia Seidyi.* ^{Coll. H.C. Powers.} Silur. Pelecyp.
- 131 *Orthis vulvaria* ^{Sch. L. Dev. Laubach, Cölln.} Devon. Brach.
- 132 *Halysites Decheni.* ^{L. Dev. Düsseldorf. Hamilton F. Bartlett, Ont. Powers.} " Plants
- 133 *Cystiphyllum Americanum.* Dev. Corals.
- 134 *Cyathophyllum quadrigenum* ^{Goldf. Devonian} Corals
- 135 *Zaphrentis prolifica* ^{Corniferous Ls. Columbus, Ohio. Coll. O.L. Fusch.} Devon. Corals.
- 136 *Cyathophyllum* ^{Hall. (Berolstein) Eifel F. Krantz, Bonn. (93)} Devon. Corals.
- 137 *Fascicularia glomerata.* ^{Devon. Dr. F. Krantz, Bonn. (40)} Devon. Corals.
- 138 *Cyathophyllum davidsoni* ^{M.-Ed. Devonian} Devon. Corals.
- 139 *Zaphrentis corniculum.* ^{Corniferous Ls. Falls of Ohio. Ward & Howell.} Devon. Corals
- 140 *Zaphrentis Edwardsi.* ^{Corniferous Ls. Columbus, Ohio. O.L. Fusch.} Devon. Corals.
- 141 *Clonellus Thompsoni.* ^{L. Cambrian. Parkersburg, West Virginia.} Trilobites.
- 142 *Asterias asperulata* ^{Roem. Devonian. Ophiuroid} Devon. (Corniferous)
- 143 *Cladocrinus Vernyili.* ^{Niagara? Powers. O.L. Fusch.} Silur. Blast.
- 144 *Favosites Onondagi.* ^{Devonian. Powers.} Devonian. Corals.
- 145 *Diphyphyllum rugosum.* ^{Niagara Silur.} Silur. Corals.
- 146 *Hebophyllum halli* ^{Hamilton N.Y.} Devon. Cist.
- 147 *Helianthaster meduraster phenamus.* ^{Devonian Cist.} Devonian. Cist.
- 148 *Ophiura Decheni, Stz.* ^{Devonian. Ophiuroids.} Devonian. Ophiuroids.



- 149 Niagara Ls. Hantakhee, Ill. Ward & Howell. Cephalopods.
- 150 Gompheocras. Silurian. Brach.
- 151 Lingula imbonata. Penn. Brach.
- 152 Astero-phylites. Ottawa, Ill. Pteridophytes.
- 153 Althopterus lenticularis. Dr. Penn. Ohio. Plants.
- 10277 154 Diplocanthus striatus. Devon. Fishes.
- 155 Neuropteris angustifolia. Penn. Plants.
- 156 Hiscania nitida. Penn. Brachiopods.
- 157 Carboniferous. La Salle, Ill. Henry coll.
- 158 ~~Platystrophia~~ *Radiata*. Penn. Pelcepod.
- ~~Asipha~~ *Michelina leippa*. Le Roy, N. Y. Devon. Corals.
- 160 *Pleurotomaria lucina*. H. Columbus, Ohio. Devon. Gastrop.
- 10096 161 *Platystrophia lynx*. Ordov. Brach.
- 162 *Spirifer laevicosta*, Tal. Devon. Brach.
- 163 *Buccinum arcuatum*. Paffrath, Germ. Devon. Gastrop.
- 10284 164 *Athyris concentrica*. Ward & Howell. Devon. Brach.
- 165 *Favosites hemisphaerica*. Corniferous. Falls of Ohio. Ward & Howell. Devon. Corals.
- 166 *Althopterus Serlii*. Brought Carboniferous. Hagerich, Saxony. Ward & Howell. Penn. Plants.
- 167 *Productus pygidiformis*. Barb. Und. Brach.
- 168 *Asiocrinus magnificus*. Blue Sh. Kanawha Co., W. Va. Mrs. Theo. Cowdy, Apr. 13, 1891. (19616) Penn. Crinoids.
- 169 *Turbo armatus*. Eifel, Rhine. Prussia. Ward & Howell. Devon. Gastrop.
- 170 *Dictyophyton tuberosum*. Chemung Group. Steuben Co., N.Y. Ward & Howell. Devon. Doubtful.
- 10196 171 *Cyathophyllum helianthoides*. M. Dev. Eifel. B. Sturte, Bonn. (3966) Devon. Corals.
- 172 *Alveolites Rockfordensis*. Hamilton. Cera Gordo Co., Va. Powers. Devon. Bryozoans.
- 173 *Acerularia Davidsoni*. Hamilton. Iowa City, Ia. Devon. Corals.
- 10259 174 *Haplocrinus mespidiformis*. "Mitt. Devon." Pelm. Eifel, Rheinpreussen. Dr. F. Hantzsch, Bonn. (139). Devon. Crinoids.
- 10213 175 *Favosites billingsi*. Rom. Hamilton Group. Wilder, Canada. Devon. Corals.
- 10244 176 *Alveolites subbicircularis*. M. Dev. Eifel, Germ. B. Sturte, Bonn. (3959) Devon. Corals.
- 10243 177 *Alveolites Goldfussi*. Hamilton. Bartlett, N.Y. Powers. Devon. Corals.
- 178 *Eucalyptocrinus rosaceus*. Goldf. B. Sturte, Bonn. (3963) Devon. Crinoids.
- 179 *Dictyophyton nodosum*. Chemung F. Steuben Co., N.Y. Ward & Howell. Devonian.
- 180 *Cypressocrinus crassus*. Dev. Gerolstein. Eifel, Germany. B. Sturte, Bonn. Devon. Crinoids.
- 181 *Bryphaeus callitales*. Devon. Trib.
- 10197 182 *Acerularia Davidsoni*. Eifel, Rhine Valley. Ward & Howell. " " Leroy, N. Y. Coral.
- 10264 183 *Phenodactylum problematicum*. Eifel, M. Dev. Gerolstein. Ward's Nat. Sci. Est. B. Sturte, Bonn. (3964) Devon. Doubtful.
- 184 *Rhipidocrinus crenatus*. St. Trinita, Italy. Devon. Crinoids.
- 185 *Palaeonilomuta*. Ludlowville, N.Y. Hamilton. Devon. Pelcepod.

- 186 *Spirorbis omphaloides*. Goldf. Devon. Brach.
- 187 *Spirifer granulifera*. Hall. Devon. Brach.
- 188 *Rhyssotoma* & *reticularis* Eifel, Prussia. Devon. Brach.
- 189 *Coroniferous*. Corn. Charleston, Ind. Devon. Brach.
- 190 *Lucina* *dolomieu*. Eifel, Rheinpreussen. F. Krantz, Bonn. (97) Devon. Brachiopods.
- 191 *Lucina* *subaculeatus*, N. Devon. Pelecyp.
- 192 *Lucina* *concentrica*. F. Krantz, Bonn. (95) Devon. Pelecyp.
- 193 *Palaeonilo lenuistriata*. Hamilton. Devon. Pelecyp.
- 194 *Lucina* *aprowia*. Ward & Howell. Devon. Pelecypods.
- 195 *Leda* *tumida*. F. Krantz, Bonn. (96). Devon. Pelecyp.
- 196 *Thracia* *schuina* (Vernulites). Eifel. B. Stütz, Bonn. (3955) Devon. Pelecyp.
- 197 *Orthoceras* *murellense*. Devon. Cephalopods.
- 198 *Meristella* *barrisi* Hall. Devon. Brach.
- 199 *Urtamerus* *galeatus*. Ward & Howell. Devon. Brach.
- 200 *Phacops* *latifrons*, Brown L. Dev. Devon. Tril.
- 201 *Cardiola* *retrostriata*. F. Krantz, Bonn. (99) Devon. Pelecyp.
- 202 *Modiola* *losseni*. Pen. F. Krantz, Bonn. (100) Devon. Pelecyp.
- 203 *Paraceras* *lyrata*. Powers. Devon. Pelecyp.
- 204 *Megalodon* *cucullatus*. F. Krantz, Bonn. (101) Devon. Pelecyp.
- 205 *Spirifer* *curvatus*, Buch. Devon. Brach.
- 206 *Michelinastylus* *spora*. Powers. Devon. Corals.
- 207 *Rhynchonella* *contracta*. Chemung. Devon. Brach.
- 208 *Avicula* *pseudolavis*. B. Stütz, Bonn. (3941) Devon. Pelecyp.
- 209 *Platyceras* *Gibhardi*. Powers. Devon. Gastrop.
- 210 *Atrypa* *reticularis*. Ward & Howell. Devon. Brach.
- 211 *Orthis* *planus*. Devon. Brach.
- 212 *Orthis* *planus*. Devon. Brach.
- 213 *Orthis* *planus*. Devon. Brach.
- 214 *Orthis* *planus*. Devon. Brach.
- 215 *Orthis* *planus*. Devon. Brach.
- 216 *Orthis* *planus*. Devon. Brach.
- 217 *Orthis* *planus*. Devon. Brach.
- 218 *Orthis* *planus*. Devon. Brach.
- 219 *Orthis* *planus*. Devon. Brach.
- 220 *Orthis* *planus*. Devon. Brach.
- 221 *Orthis* *planus*. Devon. Brach.
- 222 *Orthis* *planus*. Devon. Brach.

Have you chosen the

Eifel, Rheinpreussen. Dr. F. Krantz, Bonn. (142)

omphaloides. Goldf. Devon.

sup. 18 mile Creek, Erie Co. N. Y.

Ward & Howell.

187 spirifer granulifera. Hall

Ward & Howell.

10327 188 Atrypa reticularis Eifel, Prussia.

Corniferous. Carboniferous, Ind.

189 Spirifer Oweni. H. Ward & Howell

10361 190 Productus subaculeatus, Nu.

Onondaga, N. Y. Powers.

11386 191 Nucula corbuliformis. Hamilton

10385 192 Nucula concentrica. F. Krantz, Bonn. (95)

Morrisville, N. Y.

Powers.

193 Palaeoneilo linnistriata. Hamilton

Corniferous. Charleston, Ind.

194 Lucina proura. Ward & Howell.

10383 195 Leda tumida. F. Krantz, Bonn (96).

Concentrica, Goldfuss, No. 1, L. Dev. Daleyden,

Eifel. G. Stütz, Bonn.

196 Paracyclus lucina. Vermulst.

Camellus, N. Y. Ward & Howell.

197 Orthoceras marellense.

Corniferous. Le Roy, N. Y. Ward & Howell.

1028 198 Meristella barrisi Hall.

L. Helderberg. Scholastic, N. Y.

199 Lantamerus galeatus. Ward & Howell.

10371 200 Phacops latipons, Brown L. Dev.

10352 201 Cardiola reticulata.

"N. Y. Devon". Cuddeheim, Eifel. F. Krantz, Bonn (97)

b. Coblenz, Rheinpreussen.

202 Modiola Losseni. Ren. F. Krantz, Bonn (100)

Hamilton N. Onondaga, N. Y.

203 Paracyclus lyrata. Powers.

N. Dev. Pappath, Eifel, Rheinpreussen. F. Krantz, Bonn (101)

204 Megalodon cucullatus. Goldf. Pöhlitz.

L. Dev. Arrhausen, Rhine Valley. Ward & Howell.

10338 205 Spirifer curvatus, Buch.

1023 206 Mic

1029 207 Rhy

208 For

209 Plat

10323 210 Atrypa

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Carboniferous. Burlington, Ia.

Carboniferous. Ill. Ottawa, Ill. or Kan.

Sphenophyllum cornutum.

Brach.

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Have you chosen the

- Eifel, Rheinpreussen. Dr. F. Krantz, Bonn. (142)
 omphaloides. Goldf. Devon. Brach.
 187 *Spirifer granulifera*. Hall. Ward & Howell. Brach.
 1032788 *Atrypa reticularis* Eifel, Prussia. Devon. Brach.
 189 *Spirifer Oweni*. Ward & Howell. Devon.
 1036190 *Productus subaculeatus*. Hall. Devon.
 1038691 *Nucula corbuliformis*. Hamilton. Devon.
 1038592 *Nucula concentrica*. F. Krantz, Bonn. (95) Devon.
 1931 *Palaeoneilo linnistriata*. Hamilton. Devon.
 194 *Lucina proura*. Ward & Howell. Devon. Pel.
 1038395 *Leda tumida*. F. Krantz, Bonn. (96). Devon.
 196 *Paracyclus lucina* (Vernulites). Eifel. B. Stütz, Bonn. (3955)
 197 *Orthoceras macellense*. Devon.
 1028798 *Meristella varrii*. Hall. Devon.
 199 *Untamerus galeatus*. Ward & Howell. Devon.
 10371200 *Phacops latifrons*. Brown. L. Dev. Devon.
 10382201 *Cardiola retrostriata*. Devon.
 202 *Modiola Losseni*. Pen. F. Krantz, Bonn. (100) Devon.
 203 *Paracyclus lyrata*. Powers. Devon.
 204 *Megacodon*. L. Dev. Devon.
 1033205 *Spirifer*. Devon.
 1023206 *M.*. Devon.
 1029207 *Rh.*. Devon.
 208 *Av.*. Devon.
 209 *Pla.*. Devon.
 10323210 *At.*. Devon.
 211 *Orthoceras arcuolinarum*. Hall. Devon.
 212 *(Hall)*. Devon. Brach.
 213 *Truton*. Devonian. Brachiopods
 214 *Belot, Wisconsin*. Devon.
 215 *H.C. Powers*. Devon.
 216 *Spirifer*. Devon.
 217 *Cypressocrinus crassus*. Goldf. Devon.
 218 *Cumprhalus decurvi*. O.L. Sussulich. Devon.
 219 *Machaeracanthus major*. Newb. Devon.
 220 *Plecopteris squamosa*. Miss. Parid.
 221 *Annularia inflata*. Devon.
 222 *Sphenophyllum cornutum*. Penn. Plants.

Have you chosen th

- Eifel, Rheinpreussen. Dr. F. Krantz, Bonn. (142)
 omphaloides. Goldf. Devon. Brach.
 sup. 18 mile Creek, Erie Co. N.Y. Ward & Howell. Brach.
 187 *Spirifer granulifera*. Hall. Devon. Brach.
 10327 *Atrypa reticularis* Eifel, Prussia. Devon. Brach.
 189 *Spirifer lenticularis* H. Ward & Howell. Devon. Brach.
 10361 *Productus subaculeatus*, Nu. Devon. Brach.
 10386 *Mucula corbuliformis*. Hamilton. Devon. Brach.
 10387 *Mucula concentrica*. F. Krantz, Bonn. (95) Devon. Brach.
 1931 *Palaeonilo lenticularis*. Hamilton. Devon. Brach.
 194 *Lucina pinnata*. Ward & Howell. Devon. Brach.
 10383 *Leda tumida*. F. Krantz, Bonn. (96). Devon. Brach.
 196 *Paracyclus lucina* (Vern.). Eifel. B. Stütz, Bonn. (3955) Devon. Brach.
 197 *Orthocrasmodon*. Ward & Howell. Devon. Brach.
 10287 *Meristella bairdi* Hall. Devon. Brach.
 199 *Leptamerus galeatus*. Ward & Howell. Devon. Brach.
 10371 *Phacops latipons*, Brown L. Dev. Devon. Brach.
 10382 *Cardiola retrostriata*. F. Krantz, Bonn. (97) Devon. Brach.
 202 *Modiola Losseni*. Ren. F. Krantz, Bonn. (100) Devon. Brach.
 203 *Paracyclus lyrata*. Powers. Devon. Brach.
 204 *Megaceras*. Bonn. (101) Devon. Brach.
 10338 *Megaceras*. Bonn. (101) Devon. Brach.
 1023 *Megaceras*. Bonn. (101) Devon. Brach.
 1021 *Megaceras*. Bonn. (101) Devon. Brach.
 208 *Megaceras*. Bonn. (101) Devon. Brach.
 209 *Megaceras*. Bonn. (101) Devon. Brach.
 210 *Megaceras*. Bonn. (101) Devon. Brach.
 10323 *Megaceras*. Bonn. (101) Devon. Brach.
 211 *Atrypa reticularis*. Ward & Howell. Devon. Brach.
 212 *Uncites gryphus*. Devon. Brach.
 213 *Megaceras apertum* Vern. Devonian. Brachiopods
 214 *Spirifer lenticularis*, O. Corniferous. Devon. Brach.
 215 *Spirifer parryana*. H. Devon. Brach.
 216 *Stringeroccephalus burtini*. Devon. Brach.
 217 *Cypressocrinus crassus*. Goldf. Devon. Brach.
 218 *Cumpralus decurvus*. Killings. Columbus, Ohio. Devon. Brach.
 219 *Machaeracanthus major*, Newb. Devon. Brach.
 220 *Preopteris squamosa*. Miss. Brach.
 221 *Annularia inflata*. Devon. Brach.
 222 *Sphenophyllum cornutum*. Penn. Brach.

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- 223 Carboniferous. Mazon Creek, Ill. Hurry coll. Perm. Plants.
 4 Carbon. Wallerang, Australia. F. Frantz, Bonn. (12) Plants.
 5 Carbon. Isarodon, Westphalia. Ward & Howell. Perm. Pterid.
 6 Carbon. Kansas City, Mo. Perm. Corals.
 7 Carbon. Kansas City, Mo. Perm. Gastrop.
 8 Carbon. Tournay, Belgium. F. Frantz, Bonn. (61) Mollus. Indus.
 9 Carbon. Tournay, Belgium. F. Frantz, Bonn. (106) Brach.
 230 Carbon. Mours, N. So. Wales. Perm. Brach.
 1 Productus newberryi. Mazon Creek, Ill. Miss. Brach.
 2 Carbon. La. Powers. Perm. Brach.
 3 Carbon. Crawfordville, La. Perm. Brach.
 4 Carbon. Kansas City, Mo. Perm. Gastrop.
 5 Carbon. Carbon Hill, Ohio. Perm. Pteryg.
 6 Carbon. Peru, Ill. Perm. Gastrop.
 7 Carbon. Derbyshire, Eng. Perm. Brach.
 8 Carbon. Derbyshire, Eng. Perm. Brach.
 9 Carbon. Derbyshire, Eng. Perm. Pteropods.
 240 Carbon. Grundy Co., Ill. Perm. Plants.
 1 Carbon. Grundy Co., Ill. Perm. Plants.
 2 Carbon. Grundy Co., Ill. Perm. Plants.
 3 Carbon. Grundy Co., Ill. Perm. Pterid.
 4 Carbon. Grundy Co., Ill. Perm. Plants.
 5 Carbon. Grundy Co., Ill. Perm. Pterid.
 6 Carbon. Grundy Co., Ill. Perm. Plants.
 7 Carbon. Grundy Co., Ill. Perm. Pterid.
 8 Carbon. Grundy Co., Ill. Perm. Plants.
 9 Carbon. Grundy Co., Ill. Perm. Pterid.

Lepidodendrum obovatum STERNBG.

243

Palmacites squamosus v. SCHLOTHEIM

Lepid. elegans et gracile BRONGNIART

Lagenaria obovata STERNBERG

Lepid. lycopodioides v. SCHLOTHEIM

(Ref.:) STERNBERG: Flora I. p. 6. 10. 31

Tf. (plate) 16, fig. 1; Tf. 16, fig. 1. 2

... II. p. 178, Tf. 66, fig. 6.

BRONGNIART II. Tf. 14. (15?). 17, fig. 3. 4.

Steinkohlenformation (Carboniferous),

Liegendes Flötzzug.. Wolfsberg, Kärnten

(Carinthia) Austria

University of Wisconsin

Source: WARD & HOWELL

- 3 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Fishes.
 4 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Brach.
 5 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Brach.
 6 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Brach.
 7 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Brach.
 8 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Brach.
 9 Carbon. Ref. - Mich. Rep. 76, 3, 152. Perm. Brach.

- Carboniferous. Mazon Creek, Ill. Mary coll. *Perm.* *Plants.*
 223 *Calithopteris lanceolata.* *Perm.* *Plants.*
 4 *Glossopteris browniana.* *Perm.* *Plants.*
 5 *Odontopteris neuropteroides.* *Perm.* *Pterid.*
 6 *Conularia crustula.* *Perm.* *Corals.*
 7 *Pleuronomaria broadheadi.* *Perm.* *Gastrop.*
 8 *Chiton coarctatus.* *Perm.* *Mollus. Indus.*
 9 *Schelluderaella?* *Perm.* *Brach.*
 230 *Spirifer vespertilio.* *Perm.* *Brach.*
 1 *Productus newberryi.* *Perm.* *Brach.*
 2 *Productus muricatus.* *Perm.* *Brach.*
 3 *Platyceras equilaterum.* *Perm.* *Gastrop.*
 4 *Edmonia.* *Perm.* *Pelecyp.*

- Coal. La Salle, Ill. *Perm.* *Plants.*
 4 *Lepidodendron aculeatum.* *Perm.* *Plants.*
 5 *Pecopteris villosa.* *Perm.* *Plants.*
 6 *Sagenaria Veltheimiana.* *Perm.* *Plants.*
 2724 *Ptychodus (Zooth) Chalk. Kent, Eng.* *Cretac.* *Fish.*
 15 *Ptychoparia piochensis.* *Perm.* *Ward & Howell.*
 9 *Gyroceras nodosum.* *Perm.* *Ceph.*
 250 *Arantholadia anceps.* *Perm.* *Brach.*
 10388 *Dentalina Kingi.* *Perm.* *Brach.*
 2 *Esaronius conjugatus.* *Perm.* *Pteridophytes.*
 3 *Paraeoniscus friesei.* *Perm.* *Fishes.*
 4 *Spirifer alatus.* *Perm.* *Brach.*
 6 *Gaphrentis spinulosa.* *Perm.* *Corals.*
 7 *Productus horridus.* *Perm.* *Brach.*
 8 *Geodonta Reusslingi.* *Perm.* *Echinoids.*
 9 *Walsbyella niformis.* *Perm.* *Pterid.*

Ward & Howell.

- 260 *Callipteris conferta* Stbg. Permian. Pteridophyte.
Muschelkalk. Jena, G. Germ.
- 1 *Sinualinata*, Sedl. Ward & Howell. Perm. Pelecyp.
App. Rhetic, W. G. Germ. Bavarian Alps. B. Stürz, Bonn (3978)
- 2657 *Astraeomorpha confusa*. Trias. Corals.
Rhetic. Murlingen, Württemberg. B. Stürz
- 2356 *Modiola minuta*. Cuen. Pelecyp.
Bodenbach, Hessen. Ward & Howell.
- 4 *Schizodus obscurus*, Schlt. Perm. Pelecyp.
Waldenbury Siluria
- 5 *Ptychaspis meniscæensis* unknown Cambrian. Trilobite.
Res. - Pal. N. Y. Z. Oldenb. Powers.
- 6 *Favosites favosus* Niagara Ls. Masonville, Ind. Silur. Coral
Gera, Thüringen. F. Krautz, Bonn. (21)
- 7 *Nodoraria Geinitzi*, Reuss. Perm. —
Richmond, W. G. Germ. W. Min. 22
- 8 *Dinorthis subquadrata* Ordov. Brachiopod
Jefferson Co. N. Y.
- 1985 *Bathyrus extans* n. Trilobite
- 270 *Chonetes coronata* Mississip. Brachiopod
- 10324 *Atrypa reticularis* Devon. Brachiopod
- 2 *Orthis michelini* Mississip. Brachiopod
- 3 *Primitiella?* Ordov. Ostracod
- 4 *Platystrophia*, W. Ordov. Graptolite
- 5 *Illaenus americanus* Ordov. Graptolite
- 6 *Gyroceras dipticostatum*, Sedl. W. G. Germ. Cephalopod
Waldenbury Siluria
- 10370 *Elæacrinus verneuili* Devon. Blastoid
Waldenbury Siluria
- 8 *Plectambonites sericeus* Ordov. Brachiopod
Waldenbury Siluria
- 9 *Lingula* Ordov. Brachiopod
Waldenbury Siluria
- 280 *Pentamerus* Silurian
Waldenbury Siluria
- 7 *Graptolites Clintonensis* Niagara Form. Rochester, N. Y. Graptolite
Waldenbury Siluria
- 2 *Spirifer acuminata* Devon. Brachiopod
Waldenbury Siluria
- 3 *"mesocostalis"* n. Brachiopod
- 4 *Phacops lufei* also *Phacops b. lufei* also *Chonetes* sp. Trilobite
- 5 *Chonetes Hamiltoni*, F. Krautz, Bonn. Devonian Brachiopod
Waldenbury Siluria
- 6 *Pentamerus oblongus* Silurian
Waldenbury Siluria
- 7 *Phillipsia major* (?) Pennsylv. Trilobite
- 8 *Cardiocarpon triangularis* Perm. Pterid.
- 9 *Fenestella retiformis*, Schlt. Perm. Bryozoa.
- 10278 *Osteolepis major*, Old Red So. Ward & Howell. Devon. Fishes.
- 290 *Tetularia Irticum*, Richter Perm. Protozoans.
- 2597 *Lithodendron* U. Trias. St. Cassian, Tirol, Krautz
- 2675 *Hellispongia variabilis*. Trias. Sponges.
Waldenbury Siluria
- 2713 *Cyrcad*, Durham, Ct. Ward & Howell. Trias. Gymnos.
- 4 *Cervilla socialis*. Trias. Pelecyp.
- 5 *Spirifer verneuili* Belgium. Devon. Brachiopod
- 10117 *Cyclonema varicosus* Ordov. Gastropod

297	Dalmanella	Ordov.	Brach.
8	Sphaerexochus <i>Lutzschethal m. & era, Saxony.</i>	Sil?	Trilobite
9	Arca striata <i>"unt. Erias" Kallstadt, Salzburg.</i>	Perm.	Pelecyp.
38	Monotis salinaria. <i>Mus.</i>	Trias. <i>F. Krantz, Bonn. (112)</i>	Pelecyp.
1	Calymene senaria <i>Hudson River Shale Reading, Ohio.</i>	Ordov.	Trilobite
2	Glyptocrinus oneali <i>Cincinnati Shale Cincinnati, Ohio F. Krantz, Bonn. (9)</i>	"	Crinoid
3	Callipteris conferta. <i>Brg.</i>	Perm. <i>Ph. Prussia</i>	Pterid.
10 2072	4 Cratites nodosus. <i>Muschelkalk. Wüzburg. Heidelberger Muschelkalk. Wüzburg. Heidelberger</i>	Trias. <i>Mineralien-Comptoir.</i>	Cephal.
5	Cratites nodosus. <i>Ward & Howell.</i>	Trias.	Ammon.
6	Cratodus Guillemi. <i>Holmsbeck, Germ. Ward & Howell.</i>	Triassic.	Fishes.
7	Astrocarypus meriani. <i>Keuper, Lunz, M. Austria. Ward & Howell.</i>	Trias.	Pterido.
10075	8 Sinuotthis subquadrata <i>Cincinnati, shale Waynesville, Ohio "unt. Perm." Eisfabrik, Thüringen. F. Krantz, Bonn. (17)</i>	Ordov.	Brach.
9	Ulmannia ellaginoidea. <i>Brg.</i>	Perm.	Plants.
310	Gyroceras triolite. <i>N. Helderberg. Schoharie, N. Y. Rifersfeld, Württemberg</i>	Devonian <i>Ward & Howell. F. Krantz (18)</i>	Cephalopods.
1	Crepidula loricata. <i>Goldf.</i>	Trias.	Asteroids.
10 2459	2 Nerima pseudo-bruntrutana. <i>Gen.</i>	Jurassic.	Gast.
3	Glymeria undulata. <i>F. Krantz, Bonn. (98)</i>	Devon.	Gast.
4	Rhynchonella subrimosa. <i>Schafhaeuten</i>	Trias.	Brach.
6	Apalaspis Lyelli. <i>Agass.</i>	Devon.	Fishes.
10369	8 Glyptolepis leptophurus.	Devon.	Fishes.
10281	7 Scale of Eocosteus. <i>East Point, Pa.</i>	Devon.	Fishes.
Disposed	8 Paracerasites micmas. <i>var. portifera</i>	Ordov.	Tril.
9	Dalmanella emacerata	Ordov.	Brachiopod
310			
12			
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7			
8	Paradoxides micmac	Cambrian	Trilobite
10085	9 Dalmanella emacerata	Ordov.	Brachiopods.
320	Olenellus asaphoides	Cambrian	Trilobite
1	Microdiscus connexus W.	Cambrian	Trilobite
52	Lingulepis prima	Upper "	Brachiopod
10253	Coenostroma (Stromatopora) manticuliferum	Waish.	Trilobite
	Iniothra Beckii. <i>tr. shale Utica New York.</i>	Devonian	Bryozoan

Asterophyllites equisetiformis

BRONGNIART

Carboniferous, "Terrain houiller",
Pennsylvanian.A...s.esse Mine ("Fosse A...s.esse"),
Charb. de Belle et Bonne, Belgium.

Leg. CR..IN

Source : WARD & HOWELL

Specimen listed in old catalogue (344),
found in storage of Wisconsin

324 Triarthrus

Coal. Kan. City

5 Phalocrinus

16

V. Carboniferous

7 Productus

Carbon. Tournai

5 Bellerophon

Coal. Mazon Creek

9 Neuropteris

Carbon. F. S. Clark

330 Pentamerites

1 Ectostes, Lei

2 Eumphalus pentagultatus.

Coal. Mazon Creek, Grundy Co., Ill. Ward

3 Neuropteris hirsuta. Petiole leaf

4 Lonsdaleia Carbon. Bristol, Eng. Ward

Hamilton. F. Cervo Cordo, La. Po

5 Schizophoria impressa

Carbon. Riley Co., Kas.

6 Fusulina cylindrica Ward &

Endoceras proteiforme H.

7 Carboniferous F. Bristol, Eng. Ward & Howell.

8 Cyathophyllum murchisoni.

9 Crinoid stems. Sub-Carbon. Adair Co., Ky.

Coal. Bloomington, Ill.

340 Circulopeden occidentalis

1 Delina

2 Receptaculites Oweni. Freeport, Ill.

Powers.

3 Isochilina Jonesi. Bergen, N.Y.

Carbon. Belgium. Ward & Howell.

4 Asterophyllites equisetiformis Brongt.

Carboniferous Crawfordville, Ind. Ward & Howell.

5 Forbesicrinus Melki.

Burlington F. Burlington, Ia.

6 Batocrinus rotundus, Ward & Howell.

"Meek & Worthen"

7 Heterocrinus subcrassus.

Carbon. Ward & Howell.

8 Trigonocarpum noeggerathi, Br.

Carbon. Tournai, Belgium. F. Knabitz, Bonn.

9 Dentatium brisca. Mant. 1631

Ward's Nat. Sci. Est.

350 Calamites Coal. Mazon Creek, Ill. Penn.

1 Mazon Creek, Grundy Co., Ill.

2 Pecopteris villosa

Channing F. Iowa. Powers. Ref. - Pal. N. Y., IV.

3 Spirifer Whitneyi.

Cincinnati Shale

4 Rafinesquina alternata. Conington, Ky.

Re-extended as no. 1400, 1407

5 Illaenus covus.

Carbon. Farnhead, Scotland.

6 Rhizodus Hibberti.

Penn.

7 Phillippia scitula.

Hamilton. Madison Co., N.Y. Ward & Howell.

8 Homalonotus hekayi.

Ref. Pal. N. Y., VII.

9 Cydonos domus Ord. Fenton, Beloit.

Cincinnati shale (?)

10 Glyptocrinus decadaetylus

1 specimen traded for other fossil

360

No. 328

FOSSILS.

Name *Orthoceras plano-*

Formation *Carboniferous*

Locality *Beloit*

Powers

Gastrop.

Pterid.

Corals.

Brach.

Protoz.

Miss.

Sub-Carboniferous.

Penn.

Pelec.

Ordov.

Silur.

Ostracods.

Penn.

Pterid.

Crinoids.

Miss.

Crinoids.

Crinoids.

Penn.

Plants.

Scaph.

Penn.

Plants.

Plants.

Penn.

Brach.

Brach.

Penn.

Trilobites.

Fishes.

Tril.

Tril.

Crinoid

- 324 *Triarthrus Becki* Cincinnati shale Ordov. H.C. Powers. Trilobite
 Coal. Kan. City, Mo. Mrs. Goudy Coll. Ohio. Ref. - Mo. G. S. 14, pl. 29.
 5 *Phalocrinus Harei.* Penn. Crinoids
 16 Gas tropods
 7 *Productus semireticulatus* Mart. Carbon. Brachiopods.
 Carbon. Tournay, Belgium.
 1 *Bellerophon tinnitiscia.* Penn. Gastrop.
 Coal. Mazon Creek, Grundy Co., Ill. Ward & Howell
 9 *Neuropteris cyclopteris* (Petaloid) Penn. Plants.
 E. Ohio. Es. Clinton Ill. Ward & Howell.
 330 *Pentamerites curvatus*, Hall. Miss. Blastoids
 1 *Ectester, Ledy* (Dorsal spine). Penn. Fishes
 2 *Eumphalus pentagultatus.* Carbon. Ind. Gastrop.
 Coal. Mazon Creek, Grundy Co., Ill. Ward & Howell.
 3 *Neuropteris hirsuta* (Petaloid leaflet) Penn. Pterid
 4 *Sonsdelia Carbon.* Bristol, Eng. Ward & Howell. Carbon, Ind. Corals.
 Hamilton. Cervo Gordo, La. Powers.
 5 *Schizophoria impressa.* Devon. Brach.
 Carbon. Piley Co., Kas.
 6 *Fusulina cylindrica* Ward & Howell. Penn. Protoz.
 Endoceras proteiforme H. Ordovician, Trenton dolomite.
 H.C. POWERS coll.
 7 *Carboniferous* ls. Bristol, Eng. Ward & Howell. Miss. Corals.
 8 *Byathophyllum murchisoni.* Sub-Carboniferous. Crinoid.
 Coal. Bloomington, Ill.
 9 *Crinoid stems.* Sub-Carbon. Adair Co., Ky. Penn. Pelagic.
 340 *Curculopecten occidentalis* Penn. Mazon Creek, Ill.
 1 *Rhipidaculites Oweni.* Ordov. Linden Mine, Wis. Corals.
 Helena, Treport, Ill. Henry Coll. Powers.
 3 *Isochilina Jonesi.* Bergen, NY Silur. Ostracods.
 Carbon. Belgium. Ward & Howell.
 4 *Asterophyllites equisetiformis* Brought. Penn. Pterid.
 Carboniferous Crawfordville, Ind. Ward & Howell.
 5 *Forbesicrinus Melki.* Miss. Crinoids.
 Burlington Co. Burlington, Ia.
 6 *Batocrinus rotundus*, Ward & Howell. Miss. Crinoids.
 "Melki & Worthen"
 7 *Heterocrinus subcrassus.* Miss. Crinoids.
 Carbon. Ward & Howell. Saarbrücken, Prussia
 8 *Trigonocarpum holgerathi* Br. Penn. Plants.
 Carbon. Tournay, Belgium. F. Knauth, Bonn
 9 *Mentakium brisa.* Mant. 1631 Penn. Scaph.
 Ward's Nat. Sci. Ext.
 350 *Calamites* Coal. Mazon Creek, Ill. Penn. Plants.
 Mazon Creek, Grundy Co., Ill.
 1 *Pecopteris villosa* Penn. Plants.
 Chemung F. Iowa. Powers. Ref. - Pal. N. Y., IV.
 2 *Spirifer Whitneyi.* Devon. Brach.
 10084 3 *Rafinesquina alternata.* Ordov. Ward & Howell
 Cincinnati shale Conington, Ky.
 4 *Iliaenus rogersi.* Silur. Powers, Niagara Ls., Racine, Wis.
 Re-entend as no. 1400, 1407.
 Carbon. Foanhead, Scotland.
 5 *Rhizodus Hibberti.* Penn. Fishes.
 6 *Phillipsia scitula.* Miss. Tril.
 Hamilton. Madison Co., N.Y. Ward & Howell.
 7 *Homalonotus hekayi.* Devon. Ref. Pal. N. Y., VII. Tril.
 10165 8 *Cydrops lorus* Ord. Fenton, Beloit.
 9 *Glyptocrinus decadaetylus.* Ordov. Cincinnati shale (?) (1 specimen traced for other fossil) Crinoid
 360

- 361 *Platystrophia lynx* Ordov. Brachiopod
 2 *Trochonema beloitense* Ordov. Gastrop.
 10143 3 *Rhynchotrema capax* Ordov. Brach.
 4 *Platystrophia bifurcata* Cincinnati shale Waynesville, Ohio, Ord. Ward & Howell Brach.
 1980 5 *Thospira nitens* Phillips Trenton gr. Jefferson Co. N.Y. Gastrop.
 6 *Haplostoma tenticularis* Cincinnati shale " Wis. Acad. Sci. Corals.
 7 *Columnaria stellata*
 8 *Lingula calumet* Winch. Huronian Hall. Brachiopods (?)
 9 *Pecopteris bandolleana* Legg. Penn. Plants.
 370 *Orchistria tricenaria* Trenton Lm. Ordov. Lafayette Co, N.Y. Brach.
 1 *Vannuxemina rotundata* Trenton Ordov. Beloit, Wis. H.C. Powers. Pelec.
 10158 2 *Batostoma* sp. Cincinnati shale, Ohio Ordov. H.C. Powers. East Pelec.
 3 *Tetrantha wisconsinensis* Ordov. Ward & Howell. Brach.
 1008 2 4 *Strophomena planumbona* Cincinnati shale, Ohio Ordov. Brach.
 10390 5 No data
 6 *Syringopora ramulosa* Indiana. Miss. Corals.
 7 *Neuropteris hirsuta* Penn. Pterid.
 8 *Orthoceras junceum* Trenton Ordov. Beloit, Wis. H.C. Powers. Cephal.
 10090 4 *Plectambonites sericeus* Cincinnati shale, Ohio Ordov. Brach.
 380 *Sphaerocyclus Romingeri* Niagara Ls. Racine, Wis. Silur. Powers. Trilobites.
 1 *Dalmanites verrucosus* Niagara Ls. Waldron, Ind. U.S.C. exch. Gurley coll. Silur. Trilobites.
 2 *Goldius laphamii* Niagara Dol. Racine, Wis. Supers. have been removed to new number. Silur. Wis. Trilobites.
 3 *Phragmoceras subventricosum* M. Devonian. Essex, Europe Silur. Roemer. Cephalopods.
 4 *Orthoceras annulatum* Niagara Ohio Ward & Howell. Silur. Cephalopods.
 5 *Tentaculites Richmondensis* Niagara Ls. Ohio Powers. Silur. Pteropods.
 6 *Platystrophia niagarensis* Niagara Ls. Waldron, Ind. U.S.C. " Gastrop.
 10170 7 *Pterinea demissa* U.S.C. exch. Silur. Pteropods.
 8 *Conularia Trentonensis* Cincinnati shale, Ohio Ordov. H.C. Powers. Pteropods.
 9
 390 *Neuropteris hirsuta* Coal. Macon Creek, Ill. Penn. Pterido.
 1 *Prodictus symmetricus* Coal. Ref. - Mo. & S. V, pl. 36. Penn. Brach.
 2 *Sigillaria* Carbon. Rockwood, Tenn. Penn. Pteridophytes.
 3 *Eurypterus lacustris* Waterlime group. Buffalo, N.Y. Ward & Howell. Male individual, posterior portion, Opisthosoma (head), also appendages and male genital appendages. Silur. Eurypterids.
 4
 5 *Archimedes Wortheni* Sub-Carbon. Logan Co., Ky. Ref. - Mo. & S. V. Miss. Bryozoans.
 6 *Avicula pecten carbonifera* Coal. Kas. City, Mo. Ward & Howell. Miss. Pelec.
 7 *Bellerophon pectinatus* Coal. Kas. City, Mo. Ref. - Mo. & S. V, pl. 50. Penn. Gastro.

398

- Adair Co., Ky. Ward & Howell.
- 9 Brinoid stems. Sub-Carboniferous. Miss. Brinoids
- 400 Rhynchonella stephanian Hall. Devonian Brachiopod
- 1 Onychodonta L.S. (Carboniferous) Le Roy, N.Y. Ward & Howell. Fishes
- 2 Onychodonta shantungensis S. of Chang-shing, 2 1/2 miles S. of Chang-shing, China (field sec. 15-5). Blackwelder
- 3 Spirifer pennatus. Devon. Pelicypods
- 4 Allectryonia solitaria. Himmeridgellay. cap. Fa. Heise. Jurassic
- 5 Aspidella terranovica. SE John, New Brunswick. C.H. Leth. 1905. Algonkian. Corals
- 10238 X Diphyphyllum strictum. Columbus, Ohio. Jussulich. Devon. Corals
- 10310 X Rhipidomella. Hamilton (M. Dev.) Devon. Brach.
- 10188 X Crystiphyllum americanum. W. & H. Lewis, N.Y. Devon. Corals
- 9 Lingula. Niagara. Hamilton. Re. S. - N.Y. Pal. Z. 1. Niagara Lake, Coll. H.C. Powers. Devon. Brach.
- 410 Spirifer pennatus. Hamilton F. Devon. Brach.
- 10270 X Anopora sp. Powers. Hamilton. N.Y. Pal. - Zittel, & Pal. N.Y. 1. 11 no. 15
- 2 Hypothyridiscus. V. Dev. W. & H. Lewis, N.Y. Pal. - Zittel, & Pal. N.Y. 1. 11 no. 15
- 10389 X Strophonella reversa. Ref. - Pa. N.Y. 1. 11 no. 15
- 10290 X Orbiculoides, lodensis. Hamilton F. Niagara, N.Y. Powers. 11 no. 15
- 5 Thacops rana. Hamilton. Ref. - Pa. N.Y. 1. 11 no. 15
- 6 Grammysia arcuata. Hamilton F. Randalia. Pal. N.Y. 1. 11 no. 15
- 10342 X Spirifer andaculus. (Medial Hall) Hamilton. Ref. - Pa. N.Y. 1. 11 no. 15
- 8 Aganides rotatorius. (de H.) Hamilton. Ref. - Pa. N.Y. 1. 11 no. 15
- R-9 Hipparionyx proximus. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 420 Granatocrinus Howoodi. OHS. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 1 Batocrinus verneuiliensis. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 2 Batocrinus christyi. Sh. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 3 Platyocrinus Halli? (basal plates) Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 4 Batocrinus rotundus. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 5 Platyocrinus hemisphericus. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 6 Spirifer grimeri. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 7 Gaphrentis spinulifera. Powers. Burlington F. Burlington, Ia. Ref. - Mo. & S. I. E. pl. 18. 11 no. 15
- 8 Crinoid stems. Ward & Howell. Miss. Crinoids
- 9 Caryocrinus ornatus. Silur. Cystoids
- 10222 X Favosites goldfussi. Iowa, Powers. Devon. Corals
- 1 Atrypa reticularis. Devon. Brach.
- 2 Pisocrinus. Niagara Ls. (basal) Wilmington, Ill. Coll. E. Blackwelder. Crinoids
- 3 Dinobolus conradi. Niagara. Racine, Wis. Ref. - Geol. of Ohio II. Powers. Brachiopods
- 4 Goniophyllum pyramidale. Silur. Corals

Ostenoides serratus
ROMINGER

Mid. Cambrian, Stephen
Formation, Burgess Shale
Mount Field near Field,
British Columbia, Canada.
University of Wisconsin

398

Adair Co., Wp. Ward & Howell.

9 brinoid stems. Sub-Carboniferous

Miss.

brinoids

400

Chenung F. Portland, N.Y. Powers

Devonian

Brachiopods

1 Onychodonta L.S. (Carboniferous) Le Roy, N.Y.

Ward & Howell.

Fishes

2 Onychodonta L.S. (Carboniferous) Le Roy, N.Y.

Devonian

Brachiopods

3 Spirifer pennatus. Himmeridgellay. esp. Fa. Heise.

Devon.

Brachiopods

4 Allectryonia solitaria

Devon.

Brachiopods

5 Aspidella terranovica. St. John, New Brunswick. C.K.H. 1905.

Algonkian

Brachiopods

6 Diphyphyllum strictum. Columbus, Ohio. Jussakich Coll.

Devon.

Corals

7 Rhipidomella. Hamilton (N. Dev.)

Devon.

Brach.

8 Crystiphyllum americanum. W. & H. LeWiston, N.Y.

Devon.

Corals

9 Lingula. Niagara. Hamilton Shale.

Devon.

Brachiopods

10 Spirifer pennatus. Hamilton F.

Devon.

Brachiopods

11 Aulopora sp. Powers.

Devon.

Bryozoans

12 Hypothyridiscoides. V. Dev.

Devon.

Brachiopods

13 Strophonella reversa. Ref. to E. S. I.

Devon.

Brachiopods

14 Orbiculoides. Lodiensis.

Devon.

Brachiopods

15 Phacops rana. Hamilton.

Devon.

Trilobites

16 Grammysia arcuata.

Devon.

Brachiopods

17 Spirifer audaculus. (Medialis Hall)

Devon.

Brachiopods

18 Argander rotatorius. (de H.)

Miss.

Cephalopods

19 Hipparionyx provimus.

Devon.

Brachiopods

20 Granatocrinus Howoodi. O.S.

Miss.

Blastoids

21 Platocrinus verneuilianus.

Miss.

Crinoids

22 Bathocrinus christyi. Sh.

Miss.

Crinoids

23 Platocrinus Halli? (basal plates)

Miss.

Crinoids

24 Bathocrinus rotundus.

Miss.

Crinoids

25 Platocrinus hemisphericus.

Miss.

Crinoids

26 Spirifer grimesi.

Miss.

Brachiopods

27 Gaphrentis spinulifera. Powers.

Miss.

Corals

28 Crinoid stems. Ward & Howell.

Miss.

Crinoid

29 Caryocrinus ornatus.

Silur.

Cystoids

30 Favosites goldfussi. Iowa, Powers.

Devon.

Corals

31 Atrypa reticularis.

Devon.

Brachiopods

32 Lisocrinus.

Silurian.

Crinoids

33 Dinobolus conradi.

Sil.

Brachiopods

34 Goniophyllum pyramidale.

Silur.

Corals

Niagara Ls. Racine, Wis. Coll. H.C. Powers. Ref. - Geol. of Wis. Vol. I.

- 435 *Holocystites cylindricus*, Hall. Sil. Cystoids.
Waldron, Ind. U. of C. exch. Gurley Coll. Brach.
- 6 *Whitfieldella nitida*, Niagara. Silur. Brach.
- 7 *Favosites magnum*, Niagara. Silurian. Corals.
Forrestrville, Wis. Ref. - N.Y. Pal. Z. Wis. Acad. Sci.
- 8 *Eucalyptocrinus callatus*, Silur. Crinoids.
Niagara Ls. Waldron, Ind. Ref. - N.Y. Pal. Z. Coll. H.C. Powers.
- 9 *Astylospongia praemorsa*, Silur. Sponges.
Niagara Ls. U. of C.
- 440 *Samptocrinus inflatus*, Silur. Crinoids.
Niagara Ls. Racine, Wis. Wis. Acad. Sci.
- 1 *Bladopora reticulata*, Silurian. Corals.
Niagara Ls. Chicago. U. of C. exch.
- 2 *Poteroocrinus pisiforme*, Silur. Crinoids.
Niagara Ls. Ohio. Coll. H.C. Powers.
- 3 *Spirifera radiata*, Silur. Brachiopods.
Niagara Ls. Racine, Wis. Mil. Acad. Sci.
- 4 *Spirifer radiata*, Silur. Brachiopods.
Niagara Ls. Sterling, Ill.
- 5 *Halysites catenulatus*, Silurian. Corals.
Waldron, Ind. U. of C. exch. Gurley Coll.
- 6 *Favosites Forbesi*, Niagara. Silurian. Corals.
- 7 *Orchothetes (Septaena) subplana*, Sil. Brachiopods.
Niagara. Racine, Wis. Coll. H.C. Powers.
- 8 *Septaena rhomboidalis*, Silur. Brachiopods.
U. of C. exch.
- 9 *Unicimulus nobilis*, Niagara. Brachiopods.
Niagara Ls. Waldron, Ind. U. of C. exch. Gurley Coll. Ref. - N.Y. Pal. Z.
- 450 *Eucalyptocrinus crassus*, Silur. Crinoids.
- 1 *Concludium laqueatum*, C. Silur. Brachiopods.
Niagara. Delphi, Ind. Coll. H.C. Powers.
- 2 *Atrypa reticularis*, Silur. Brachiopods.
Niagara Waldron, Ind. U. of C. exch. Gurley Coll.
- 3 *Homespira evax*, Silurian. Brachiopods.
- 4 *Syringocrinus melissa*, Gurley Coll. Silur. Crinoids.
Niagara Ls. Waldron, Ind. U. of C. exch. Ref. - N.Y. Pal. Z.
- 5 *Pentamerus oblongus*, Silur. Brachiopods.
Niagara Ls. Savanna, Ill. Coll. E. Blackwelder.
- 6 *Gaphrentes racinensis*, Silurian. Corals.
Wash. Co., N.Y. L.E. Racine, Wis. (226) Niagara. Ref. - Wis. Geol. 42 Walcott.
- 7 *Terrestrella prisca*, Silurian. Bryozoans.
Niagara. Waldron, Ind. U. of C. exch. Gurley Coll.
- 8 *Muristina maria*, Silur. Brachiopods.
Niagara (?) U. of C. exch.
- USA *Dikelophthalmus crassi-marginatus*, Cambrian. Brachiopods.
Niagara. Madison, Wis. Coll. H.C. Powers.
- 460 *Metoptonia ruxteri*, Cambrian. Gastropods.
"Little Devon" Brim, Calif. F. Krantz, Bonn. (131)
- 1 *Microcyclus leifensis*, Devonian.
Niagara Ls. Waldron, Ind. Coll. H.C. Powers.
- 2 *Spirifer crispus*, Silurian. Brachiopods.
Racine, Wis. Ward & Howell.
- 3 *Terebratula elongata*, Silur. Brachiopods.
Racine, Wis. Ward & Howell.
- 4 *Camarschlotherm*, Permian. Brachiopods.
Racine, Wis. Ward & Howell.
- 5 *Giptia eximia*, Silurian. Brachiopods.
"Little Devon" Brim, Calif. F. Krantz, Bonn. (131)
- 6 *Cypressocrinus inflatus*, Silur. Crinoids.
Racine, Wis. Ward & Howell.
- 7 *Perrinites Godoni*, Mississippian. Blastoids.
Racine, Wis. Ward & Howell.
- 8 *Perrinites sulcatus*, Silur. Crinoids.
Racine, Wis. Ward & Howell.
- 9 *Spirifer laticostatus*, Silur. Brachiopods.
Racine, Wis. Ward & Howell.
- 470 *Stenocara rugosa*, Cambrian. Gastropods.
Racine, Wis. Ward & Howell.
- 81 *Hyolithes*, Baioni. Ordov. Pteropods.

- Sieberella
 472 *Gypsidulagaleata*. Lower Helberberg Lm. Oriskany Falls, New York. Coll. N.C. Powers. Ref. Pal. N.Y. III, 46. Devon. Brach.
 Ret. - Pal. N.Y., 8. U. Dev.
 3 *Pugnax alta*. Iowa. Powers. Devon. Brach.
 10302 X *Stropheodonta perplana*. H. Hamilton F. Ludlowville, N.Y. Ref. Pal. N.Y. 4. Devon. Brach.
 5 *Pecopteris ovata*. Coal. Macon Creek, Grundy Co., Ill. Ohio. Schuchert. N.Y. Ref. Pal. N.Y. 4. Devon. Brach.
 6 *Russelia ovata*. Ward & Howell. Devon. Brach.
 10239 X *Calceola sandalina*. Ref. - Leekie text & Zittel. Devon. Corals.
 8 *Stropheodonta mucronata*. Chemung. Schuchert, N.Y. Powers. Ref. Pal. N.Y. 4. Devon. Brach.
 9 *Schizophoria striatula*. Hamilton F. Ludlowville, N.Y. Devon. Brach.
 10314 X *Chonetes scitula*. Hamilton F. Norwich, N.Y. Powers. Ref. - Pal. N.Y. 4. Devon. Brach.
 1 *Leiorhynchus quadricostata*. Hamilton F. Carlisle, N.Y. Powers. Ref. - Pal. N.Y. 4. Devon. Brach.
 10291 X *Tropidoleptus carinatus*. Hamilton. Carlisle, N.Y. Devon. Brach.
 10877 X *Cryphæus Bothi*. (Corniferous) Louisville, Ky. Ref. - Scott's text book: Pal. N.Y. I, 2. Devon. Tril.
 4 *Conocardium trigonale*. Powers. Devon. Pelec.
 5 *Microdon bellostriatus*. Hamilton. Devon. Pelec.
 6 *Hatyras nodosum*. Corniferous. Le Roy, N.Y. Ward & Howell. Sci. Est. Ref. - Pal. N.Y. I, 2. Devon. Gastrop.
 7 *Gomphocras truncatus*. Hamilton F. N.Y. Acad. Sci. Whitfield. Berthelot mbr. Devon. Cephal.
 8 *Bathyrus woosteri*, Wh. Cambrian Trilobites
 9 *Ptychoparia lowensis*. Dueschke, Munster. Cambrian Trilobites
 490 *Obolus politus* Hall. Dicellograptus politus (Hall) Eucypris, Upper. Dueschke, Munster. Cambrian Brachipods
 1 *Conocoryphe Baileyi*. St. John, N.B. Cambrian Tril.
 2 *Microdiscus dawsoni*. St. John, N.B. Cambrian Tril.
 10149 X *Acidaspis Buchi*. Zaborzan, Bohemia. Ordov. Ward & Howell. Tril.
 4 *Lingulella*. Vestibularia? (Hall) Long Rock, Wis. Cambrian Brach.
 5 *Eocystites primigenus*. St. John, N.B. Cambrian Tril.
 6 *Leptæna sagittalis*. Tacanigog, Wis. Cambrian Brach.
 7 *Leptæna sagittalis*. Tacanigog, Wis. Cambrian Brach.
 8 *Agnostus pisiformis*. St. John, N.B. Cambrian Tril.
 9 *Microdiscus pulchellus*. St. John, N.B. Cambrian Tril.
 500 *Leptæna fulgens*. Corniferous. Westfield, N.Y. Powers. Devon. Brach.
 1 *Leptæna rhomboidalis*. Niagara. Racine & Co. Wauwatosa, Wis. Wis. Acad. Sci. Silur. Tril.
 2 *Sphaererochus Romingeri* Hall. Washington, D.C. Silur. Brach.
 3 *Lingulella greenvillensis*. Sil. Bohemia. Ward & Howell. Silur. Trilobites.
 4 *Phacops cephalotes*. Cor. Silur. Cystoids.
 5 *Eocystites primigenus*. Cambrian. Cystoids.
 10283 X *Hildoceras bifrons*. Looe, Whithy, Eng. Devon. Brach.
 2049 *Unionulus mutabilis*. Devon. Brach.
 10288 X *Reticularia laevis*. Portage Group. Schuchert, N.Y. Ref. - Pal. N.Y. 4, pl. 39. Devon. Brach.

510	<i>Utriculopecten fasciculatus</i> Powers.	Devon.	Devon.
	<i>Cinctaria elongata</i> Hamilton, New York.	Devon.	Devon.
	<i>Spirifer vanuxemi</i> H.	Devon.	Devon.
	<i>Pterinea flabella</i> Onondaga Co., N.Y. Ref. - Ohio G.S., VII, 7.	Devon.	Devon.
	<i>Goniatites vanuxemi</i> ; H. Ward & Howell.	Devon.	Devon.
	<i>Spirifer arnosus</i> .	Devon.	Devon.
	<i>Sentaculites scalariformis</i> Ward & Howell.	Devon.	Devon.
	<i>Ethyris spiriferoides</i> Powers.	Devon.	Devon.
	<i>Orthoceras eratum</i> Hamilton.	Devon.	Devon.
	<i>Spirifer hungerfordi</i> Hall.	Devon.	Devon.
	<i>Ethyris pultenensis</i> (Vittata Hall).	Devon.	Devon.
2547	<i>Terebratula sphaeroidalis</i> .	Juras.	Juras.
	<i>Pleurotomaria conoides</i> .	Juras.	Juras.
2395	<i>Pecten agualis</i> .	Juras.	Juras.
	<i>Terebratula gregaria</i> .	Juras.	Juras.
445	<i>Natica bajovensis</i> M. Jura.	Juras.	Juras.
	<i>Amalthenus</i> sp. Lias. Schwabach.	Juras.	Juras.
	<i>Pleurotomaria armata</i> M. Jura.	Juras.	Juras.
	<i>Terebratula subella</i> .	Juras.	Juras.
254	<i>Hemicidaris intermedia</i> Flem.	Juras.	Juras.
	<i>Amalthenus margaritatus</i> Lias.	Juras.	Juras.
	<i>Stomachinus bigranularia</i> .	Juras.	Juras.
	<i>Apicrinus parkinsoni</i> Zell.	Juras.	Juras.
245	<i>Ostrea crista-galli</i> Muntzenburg.	Juras.	Juras.
2070	<i>Gryphaea incurva</i> .	Juras.	Juras.
	<i>Aratithestodorus</i> (BRUGUIERE, 1792).	Juras.	Juras.
2422	<i>Trigonia clavifera</i> Baden Jura.	Juras.	Juras.
	<i>Isocardia tenera</i> B. Stürty.	Juras.	Juras.
	<i>Cosmoceras</i> (REINECKE, 1818).	Juras.	Juras.
	<i>Encrinurus liliformis</i> Ward & Howell.	Juras.	Juras.
	<i>Echinoconus albo-galeus</i> H. Chalk. U. Cret.	Juras.	Juras.
	<i>Stellamucronata</i> Mendon, France Cret.	Juras.	Juras.
	<i>Natica fassina</i> Bell Co., Texas. Cret. U.	Juras.	Juras.

Kosmoceras (REINECKE, 1818)

type species

Ward & Howell. Ref. - U.S. Mon. IX, pl. 6.
46 *Trigloporocostata*. Mr. Mt. Home, Texas. Cret. Pelecypods.
Havre, France. Ref. - Zittel, I. 380.
2397X *Pectinopunguecostata*. L. Chalk. U. Cret. Pelecypods.
Eelsworth, N.C. Coll. Snow.
8 *Sassaparilacretacum*. Dakota Ls. U. Cret. Angiosperm.

550

2 *Pinites* (*Hydrophyllon*) *Murbacheri*. Frautick. Juras. Gymnosperm.
O.B. Malm. Muskon, Russia. Dr. F. Krantz, Bonn. (18)
2669X *Spongia*. U. Oolite. Schoffhausen. Switz. Ward & Howell.
2599X *Montlivaltia cuneata* Mil. Coral Rag. Blaubeuren St. M. Oolite. Mattheim, Wurttemberg.
2674X *Corynella*. Ward & Howell. Juras. Corals.
2654X *Discocyathus credesi* de Fomintel, Bajozian. Stutz. Vallée d'Audenne, Toulon.

2672X *Hyalothozos petella*. M. Oolite. Schoffhausen. Ward & Howell. Switz.
2673X *Sapphia reticulata*. M. Oolite. Rarden, Baden. Ward & Howell.
2671X *Sapphia costata* etc. M. Oolite, Rarden, Switz. Ward & Howell.
2670X *Goniospongia amphiroscaphia* Juras. Stutz.
2591X *Diastrea ornata*, Torr. Juras. Belgarde, Prussia. Ward.
2590X *Thucasmilia annularis*. Ward & Howell. Juras. Corals.
2592X *Thamostroea zotteria* Oolite Wasseraelfinger. Ward & Howell.
2598X *Cyathophora bougueti*. M. Oolite Mattheim, Wurttemberg. Stutz.
2653X *Plesiomilia turbinata*, Mil. Coral Rag, Blaubeuren, Baden. Ward & Howell.
2673X *Bereicella diluviana*, Lk. Dogger, Bajozian. Krantz. Bayeux, Calvados, France.

2598X *Lyme Regis*, Eng. Ward & Howell.
2594X *Ophioderma egyptiacum*. Lias. Juras. Ophioids.
2592X *Millerium stens*. Oolite Vieil-St-Remy. Ward & Howell.
Pecten lens. Lower Oolite. Gloucester, Eng.

8 *Agnostus* *quieta* Ward & Howell. Juras. Pelecyp.
1 *Ceronyx striata*. Kimbridge, Juras. Westphalia.
2676X *Conatula pinnata* Zell. Lithogigshi slate. Solenhofen.
Coal. Maryland, & Kentucky, Ill. Ward & Howell.
5. *Pecopteris unilata*. Pennsylvanian. Pteridophytes.
Tertiary. Grignon, France. Ward & Howell.
6 *Volutamurina*. Eocene. Gastropod.
Tertiary. Great Pyramid, Egypt.
7 *Nummulites*. Ward & Howell. Eocene. Protozoans.
Tertiary. Grignon, France. Ward & Howell.
2613X *Voluta* (*Cryptorhoda*) *stimbardensis*. Eocene. Gastropod.
2625X *Ostraea*. Tertiary. Petrified Forest, Cairo, Egypt. Ward & Howell.
2600X *Crepidula cornu-arvete*. Eocene. Pelecypod.
Tertiary. Claiborne, Ala. Ward & Howell.
2622X *Stella* *lepta*. Eocene. Pelecypod.

Fusispira inflata ventricosa (Hall)

Plesiotype (1)

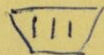
Ord Trenton (Galena)

West Jefferson, Wis.

Coll. T. C. Chamberlain



green



Red

311

Tetranota wisconsinensis (Whitfield)

Plesiotype

Ord. Platteville

Beloit Wis.

Coll. H. C. Powers

311

green

- 583
 20294 X *Heliastrea subcoronata*. Oligocene. Corals.
 2 5 Sharks' teeth. Charleston, S.C. Eocene. Fishes.
 6 *Protocardium perlongatum*. U. brt. Pelecyp.
 Ward & Howell. Ref. - Hayden Sur. IX, pl. 34.
 2 7 *Scaphites*. Fox Hills, Cheyenne R., Pl. Hills, S.D. U. brt. Ammon
 Ref. - W. S. Mon. IX, pl. 21.
 10
 2115 X *Isocardia eufaula*, Ala. Coll. J. M. Clements. " " Pelecyp.
 710
 2460 X *Turritites (Turritites) costatus*, Lamark 1809 (upper) Cretaceous
 11/19/1935 2408 *Denton Co., Texas. Ward & Howell.* *Denton & Dale of Wight* England
 2 590 *Gryphaea pitcheri*. brt. Ind. Pelecyp.
 F. F. Pierre. S. F. H. of Cheyenne R., Lawrence Co., S.D. Ref. - Hayden Sur.
 3 1 *Raculites compressus*. U. brt. IX, pl. 20. Baculites.
 10
 2392 X *Inoceramus* sp. Colorado Springs, Colo. U. brt. Pelecyp.
 10
 2075 3 *Scaphites mammillatus*. Cretaceous. France. G. Knapp.
 10
 2495 X *Terebratula harleni* Mont. L. Marl bed, Cret. Cross Creek, N.J.
 Griffith Ravine, Texas. Austin Tex. Comanchean (L. Cret.)
 10
 2403 X *Epygyra arietina*. Ward & Howell. Cret. Pelecyp.
 La Crosse, Wis. Ward & Howell.
 6 *Rhynchonella cadieri*. N. Cret. U. brt. Brach.
 Alabama R., Ala. Ref. - U. S. Mon. VIII, pl. 14.
 2 7 *Anchura pagodaformis* (?) Ward & Howell. U. brt. Gastrop.
 Ft. Beaufort, Cape Colony. Ward Ser. casts of fossils (278) in Mus. of Nat. Hist. London.
 3 8 *Rhynchonella laeticeps*, Owen. Trias. Reptiles.
 Rothliegendes Form. Solach.
 10
 40171 X *Archegosaurus duckeni*, Goldf. Permian. Amphibian.
 Logan Co., Ky.
 600 *Semimula argentea*. Ref. Mo. & S. V. Miss. Brach.
 1
 2 *L. Carbon. Zoumaz, Belgium.*
 3 *Cyathostoma corne*. Mississippian Pteropods.
 Roepelen, Saxony. Ward & Howell. (Attached to *Productus hispidus*.)
 6 3 *Stenopora columnaris* Schlott. Permian. Bryozoans.
 Kansas. Kachony Creek.
 10
 10376 X *Onoceras exiguum*, B. H. Wright & Coll. Ord. Cephal.
 Cyprian, Bohemia.
 10
 10348 X *Spirifer brevitestis* Powers. Devon. Brach.
 Coal. Mazon Creek, Ill. Ward & Howell.
 6 *Annularia inflata*. Pennsylvanian. Pteridophytes.
 Coal. Mazon Creek, Ill. Ward & Howell.
 2 7 *Neuropteris rarineris*. Penn. Plants.
 Chemung F. Steuben Co. N. Y. Ward & Howell.
 8 *Dictyophyton nodosum*. Devonian. Sponges.
 Hamilton. Morrisville, N. Y.
 9 *Pteronia flabellum*. Dev. Pelecyp.
 Niagara Ohio. Powers.
 610 *Beudanticeras Chambrisi*. Silur. Ostracod.
 1 *Orthoceras fosteri*. Cincinnati shale, W. Greenville, Ohio. Ordovician. Cephalopods.
 Powers.
 2 *Bucania expansa*. Ohio. " Powers.
 10
 10145 X *Casparias gigas*, Wal. Ordovician. Trilobites.
 Zentel. Trenton Falls, N. Y. Ward & Howell.
 4 *Whitfieldoceras* also *Whitfieldoceras* Beloit, Wis. (Whitfield, 1882) type species
 T. C. Powers. Ordovician. Cephalopods.
 5 *Helolites interstinctus*, Wahl. Silur. Coral.
 Upper Silurian. Gotland, Sweden. Ward & Howell.
 6 *Orthoceras vertebrata*. Beloit, Wis. Ordovician. Cephalopods.
 1 *Platystrophia heyeri*. Silurian. Gastropods.
 near Bald Mt., Washington Co., N. Y. Ward & Howell.
 1368 *Platystrophia americana*, Billings. Cambrian. Pteridophytes.
 1 *Platystrophia tartsouvi*. Jurassic. Brach.

1975

*Prasopora nodosus*Nashville, Tenn.
W.C. Powell.

Ordov.

Bryoz.

Ammonites farbas

Trias.

Ammonites

10
2088

2

~~*Ammonites subumbilicatus* U. Trias. Is. Alps.~~10
2459

X

Chemnitzia alpina, Ensch. Trias. So. Tyrol. Ward & Howell.10
2371

X

Megalodon triquetra Wal. Triassic. Inzira near Bressia, So. Tyrol. Ward.10
2453

X

Cerithium mottiolii L. Trias. Esino, Italy. Krantz, Bonn.10
2026

X

Orthoceras salinarium. Hörner. L. Trias. Trias. Ceph.10
2032

X

~~*Ponaceras metternichi* (Hauer), Rossmoos, Austria. U. Trias. Krantz, Bonn.~~10
2660

X

Thamnastraea redilamellosa Wink. Trias. Oedalen. Joran, Austria.10
2704

X

Catopterus gracilis. Durham, Conn. Trias. Fishes.10
2463

X

Holopella lomeli. Trias. St. Cassian. Tyrol, Italy. Ward & Howell.10
2444

X

Natica elongata. Trias. St. Cassian, Tyrol. Krantz, Bonn.10
2470

X

Plagiostoma striatum Trias. Pelecypod.10
2423

X

Megalodon ~~*zofanensis*~~ *zofanensis*. F. Krantz, Bonn. (114). Trias. Pelecyp.10
2446

X

Pleurotonaria rodian Trias. (St. Cassian) Tyrol, Italy.

8

Voltzia heterophylla L. Triassic Tyrol

9

Voltzia heterophylla L. Triassic Tyrol

640

1

1

1

10
2554

X

Cidaris transversa, Isbad near Oppeln, Silesien. L. Trias.10
2388

X

Inoceramus saginensis. Chalk. Kent, Eng. Ward & Howell.

U. Cret.

Pelecyp.

10
2704

X

Ptychodus mammillaris. Ag. Chalk. Kent, Eng. Ward & Howell.

U. Cret.

(Chalk) Fishes.

10
2001

X

Belemnites compressus. Ward & Howell.

U. Cret.

Dibranchia

10
2722

X

Isch coprolite. Chalk - Maudstone Eng. Ward & Howell.10
2723

X

Ischthyosaurus coprolite. Lias. Lyme Regis, Eng. Ward & Howell.10
2432

X

Gryphaea dilatatus. Ward & Howell.

U. Cret.

Pelecyp.

10
2005

X

Belemnites elongatus. M. Lias.

Juras.

Belem.

10
2082

X

Ammonites Balesi, Trask.

U. Cret.

Ammon.

10
2021

X

Phragmacone of Belemnites. Lias. Lyme Regis, Eng. Ward & Howell.10
2461

X

Melania strombiformis. Lower Cretaceous.

Gastrop.

10
2477

X

Pygope dipha Col. Tithonian.

U. Cretaceous

Brach.

- $\frac{0}{2715}$ *Chyseus brevissima*, Blain. Cret. Lebanon. Ward & Howell.
- $\frac{0}{402}$ *Gerrillia anceps* ^{Ereosand.} *atherfeld*, So. of Wight. Cretaceous. Pelecypod.
- $\frac{0}{474}$ *Theridium digitatum* Sow. Cenomanian. ^{Crantz, Bonn.} Essen, Rhur, Chemnitz.
- $\frac{0}{2086}$ *Dentalium*, Chalk. Folkstone, Eng. U. Cret. Scaphop.
- $\frac{0}{2661}$ *Macandrina atarum* Turonian. Le Bausset, ^{Beyroote, Syria.} Ward & Howell.
- $\frac{0}{2579}$ *Cidariscus glandifera*, Goldf. Juras.
- $\frac{0}{2583}$ *Marsupites ornatus*, Sow. U. Cret.
- $\frac{0}{2662}$ *Serpulites tenuicarinata*, "Mull.", Powers. U. Cret.
- $\frac{0}{2433}$ *Radiolites jonasetti* L. Chalk. Barbezieux ^{Barbezieux, Charente, Fr.} U. Cret.
- $\frac{0}{2531}$ *Hippurites radiosa* Ward & Howell U. Cret.
- $\frac{0}{2484}$ *Terebratulina carinata* ^{Cipely, Belgium} U. Cret.
- $\frac{0}{2271}$ *L. Marl. Coll. G. Knapp.* U. Cret.
- $\frac{0}{2271}$ *Eryogyracostata*, Crosswick Creek, N. J. U. Cret.
- $\frac{0}{2271}$ *Lithographic Ls. Solenhofen, Bavaria.* Ward & Howell.
- $\frac{0}{2271}$ *Mecochirus lacustris* Juras.
- $\frac{0}{2271}$ *Berys superbus*, Maidstone, Eng. U. Cret.
- $\frac{0}{2548}$ *Productus longipinus* Pennsylvanian Brachiopods.
- $\frac{0}{20280}$ *Terebratulina nurensis*, U. Cret. Cret. Und.
- $\frac{0}{2562}$ *Orulites margaritula*, Grignon, France. Eocene. Echinoid.
- $\frac{0}{2568}$ *Diadema*, Dover, Eng. L. Chalk. U. Cret. Echin.
- $\frac{0}{2568}$ *Hemicaster prunella*, Desor. Cret. Und. Echinoid.
- $\frac{0}{2556}$ *La Fange, Nr. Grenoble, Fr.* Ward's Nat. Sci. Est.
- $\frac{0}{2584}$ *Discoidea cylindrica*, C. Bouchart. Cret. Und. Echin.
- $\frac{0}{2434}$ *millurinus*, root. Oolite. Veil. St. Remy, France. Ward & Howell.
- $\frac{0}{2352}$ *Diceras minor*, Desor. Jura.
- $\frac{0}{2037}$ *Spondylus spinosus*, Planer. Cret. Und.
- $\frac{0}{2596}$ *Hamites rotundus*, (Sow) U. Cret.
- $\frac{0}{2448}$ *Synhelias asperella*, Reuss. Turonian. U. Cret.
- $\frac{0}{2073}$ *Pleurotomaria gurgitis* (?) Desor. " "
- $\frac{0}{2694}$ *Cuneolobos*, Shasta Co., Cal. Cret. Und.
- $\frac{0}{2415}$ *Calianassa*, Tanjasi. U. Chalk. U. Cret.
- $\frac{0}{2024}$ *Ostrea scantonensis* L. Chalk. Sain. U. Cret.
- $\frac{0}{2425}$ *Nautilus elegans* Lower Chalk. Dover, England. Ward & Howell.
- $\frac{0}{2425}$ *Pecten beaveri*, M. Chalk. U. Cret.
- $\frac{0}{2110}$ *Placentias placenta*, Cheyenne R., Bl. Hills, S. Dak. Ward & Howell.
- $\frac{0}{2110}$ *Eryogyracolumba*, Le Mans, France. Ward & Howell.
- $\frac{0}{2110}$ (Label missing) U. Cret.
- 2 (Label missing) U. Cret.
- 3 (Label missing) U. Cret.

L. Doggar. Sandershofen.

694 *Trigonia navis* Col. W. H. Hobbs.10
2595 *Horsocyphia pinctula*, Smith

Kent, Eng. Ward & Howell.

2551 *Echinocorys ovata*. U. Chalk.7 *Liceras minor*.10
2593 *Trochomelia complanata*, E. & H.9 *Atalia Wellingtonia*see 2692 - *Sepia*, *Sepioides* in coll. of E. & H.700 *Chonetes (Misonaces) Vermontus*, U. Camb.1 *Petulites populifolius*. Snow.10
2667 *Coscantheide, Zuronian, Gondograbau, Austria.*3 *Polymnastrea striata*. Reuss.3 *Orbitolites denticulata*. Les. Gault.10
2685 *Orbitolites*, Chalk. Gravesend, Eng.5 *Agraulos strenuus*6 *Lichas boltoni*. N. York. After Hall.10
2658 *Isastraea profunda*, Reuss.2594 *Stephanocornia excavata*, D. Orby.9 *Rhamnus mudgei*. Snow.710 *Ventriculites muricatus*.1 *Phillipsia major*. Ward & Howell.2 *Cheirurus*. B. Sturtz. Unknown group?1987 *Lockia siligueria* Hudson River Sp.10
2655 *Maeandratea circularis*, D. Orby.5 *Thaleopsova*. Beloit, Wis. H. C. Powers6 *Isotelus*. Cincinnati Reading, Ohio. H. C. Powers.7 *Trinucleus ornatus*. Locality, Bohemia8 *Acidaspis Crosotus*. Reading, Ohio.9 *Olenellus Gilberti*. Mead.720 *Harper Ottawensis*. Beloit, Wis. H. C. Powers.1 *Bumastus trentonensis* Beloit2 *Acadocides bohemicus* Camb.

3

4

10
2005 *Olenellus Thompsoni*.10
2082 *Isotelus gigas*. Cincinnati shale.10
2021 *Melanostoma gigas* (Cast) Ohio, H. C. Powers.2461 *Scaphitops trilincata* Em.10
2477 *Pygostus northropi*10
2477 *Pygostus northropi*10
2477 *Pygostus northropi*10
2477 *Pygostus northropi*10
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2477 *Pygostus northropi*10
2477 *Pygostus northropi*

Juras.

U. Brit. (4010)

U. Brit.

Juras.

U. Brit. (4018)

U. Brit.

U. Brit.

U. Brit. (4014)

U. Brit.

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Pelec.

Corals.

Echinoids

Pelec.

Corals.

Sargios.

Camb. Tril.

Sargios.

Corals.

Protoz.

Protoz.

Tril.

Tril.

Corals.

Corals.

Sargios.

Corals.

Tril.

Tril.

Plants?

Corals.

Tril.

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- 731 *Bronteus campanifer*. ^{Prag, Bohemia. Ward's Nat. Sci. Est.} Silur. Tril.
 2 *Liostracus ongonodanurus*. ^{St. John Div. 1c} Camb. Tril.
 3 *Solenopleura Robbii*. ^{St. John Div. 1c} Camb. Tril.
 4 *Crania scabrosa*. ^{Cinn. Gr. Delafield, Wis. Cincinnati gr. Ohio. Powers. Minn. Acad. Sci. C.W. Hall} Ordov. Brach.
 5 *Ptilodictya subrecta*. ^{Richmond, Ind. H. River} Ordov. Bryoz.
 6 *Halysanella (testudinaria)*. ^{Hudson River Sh. Henry Coll.} Ordov. Brach.
 7 *Orthis lynx*. ^{Cincinnati shale Powers} Ordov. Brach.
 8 *Acidaspis*. ^{Hudson River Sh. Delafield, Wis.} Ordov. Tril.
 9 *Strophomena cardinale*. ^{Delafield, Wis.} Ordov. Brach.
 740 *Orthis*. ^{Mingal Point W. Va. Henry} Ordov. Brach.
 10098 *Strophomena nutans*. ^{Ohio Henry Coll. Ord. Richmond, Ind. Powers} Ordov. Brach.
 10094 *Orthis tricenaria*. ^{Stockbridge, Wis. Wis. Acad. Sc. Richmond} Ordov. Brach.
 10079 *Platystrophia lynx*. ^{Ohio Richmond} Ordov. Brach.
 10079 *Dinorthis retrorsa*. ^{Powers Richmond, Ind. C.W. Hall} Ordov. Brach.
 10079 *Hebertella occidentalis*. ^{Richmond, Ind. C.W. Hall} Ordov. Brach.
 10069 *Hebertella occidentalis*. ^{Richmond, Ind.} Ordov. Brach.
 10069 *Rhynchonella dentata*. ^{Wis. Acad. Bratist Wi} Ordov. Brach.
 10066 *Calozygia Headi*. ^{Richmond Powers Cincinnati Delafield, Wis. Wis. Acad.} Ordov. Brach.
 10063 *Rhynchonella capax*. ^{Wis. Acad. Delafield} Ordov. Brach.
 10063 *Rhynchonella anticostum*. ^{Richmond, Ind. Powers} Ordov. Brach.
 10054 *Lingula cincinnatensis*. ^{Richmond Ohio} Ordov. Brach.
 10054 *Hebertella occidentalis*. ^{Reading, Pa. Richmond Wis. Acad.} Ordov. Brach.
 10054 *Hebertella occidentalis*. ^{Bratist Wi Cincinnati, O. Wis. Acad.} Ordov. Brach.
 10054 *Platystrophia bifurcata* var. *latifurcata*. ^{Cincinnati, O. C.W. Hall} Ordov. Brach.
 10078 *Platystrophia lynx*. ^{Cincinnati, O.} Ordov. Brach.
 10078 *Hebertella occidentalis*. ^{Cincinnati, O. Wis. Acad.} Ordov. Brach.
 10061 *Hebertella occidentalis*. ^{Delafield, Wis. Powers} Ordov. Brach.
 10061 *Hebertella sinuata*. ^{Ohio} Ordov. Brach.
 10061 *Hebertella occidentalis*. ^{Ohio} Ordov. Brach.

- Ohio. Powers.
- 768 *Platystrophia lynx*. Ordov. Brach.
- 9 *Hebertella occidentalis*. Ohio. Powers. Ordov. Brach.
- 770 *Platystrophia lynx*. Kendall Co., Ill. Ordov. Brach.
- 1
- 2
- 3 *Homalonotus delphinocephalus*. East. Silur. Tril.
- 4 *Ceraurus pleurexanthemus*. East. Ordov. Tril.
- 5
- 6
- 7 *Microdiscus cf. Parkeri*. Vt? C.D.W. Tril.
- 8 *Calymene ~~stauria~~ ^{micki}*. Waynesville, Ohio. J. Camb. Wards House Tril.
- 10058 7 *Crania scabbiosa (and loelia)*. Richmond, Ind. Ordov. Brach.
- 780 *Strophodonta demissa*. Iowa. Concinnati, O. W. Acad. Brach.
- 10062 7 *Lingula quadrata*. Hudson River, New York. Powers. Brach.
- 2 *Strophomena deltoides*. Richmond. Reading, Ohio. Powers. Brach.
- 10099 3 *Strophomena planocrinus*. Ohio. Powers. Brach.
- 10089 4 *Streptorhynchus sulcatus*. Oxford, Ohio. Powers. Brach.
- 10064 5 *Lingula vanhorni*. Ohio. Powers. Brach.
- 6 *Strophomena Kingi*. Ordov. Brach.
- 7 *Strophomena filitexta*. Delafield, Wis. Ordov. Brach.
- 10057 8 *Trematis punctostriata*. Cincinnati, Ohio. Powers. Brach.
- 10083 4 *~~Strophomena~~ ^{Rafinesquina} alternata*. Cincinnati, O. Powers. Brach.
- 790 *Plectambonites sericeus*. Delafield, Wis. W. Acad. Brach.
- 10080 7 *Strophomena planumbona*. Cincinnati, O. Silur. Brach.
- 2 *Crania granulosa*. Minneapolis, Minn. C.W. Hall. Brach.
- 10087 3 *~~Strophomena~~ ^{Delafield} ~~studinaria~~ ^{near}*. W. Highland, Westerlo, N.Y. Hobbs. Brach.
- 4 *Plectambonites sericea*. Delafield, Wis. W. Acad. Brach.
- 5 *Hebertella occidentalis*. Delafield, Wis. W. Acad. Brach.
- 10060 6 *Schizocrania filosa*. Cincinnati, O. H.C. Powers. Brach.
- 7 *Streptorhynchus Wisconsinensis*. Delafield, Wis. W. Acad. Brach.
- 8 *Rafinesquina alternata*. Waynesville, O. W. Acad. Brach.
- 9 *Platystrophia (acutilirata)*. Cincinnati, O. Powers. Brach.
- 10095 10 *Platystrophia lynx*. Cincinnati, O. Powers. Brach.
- 10091 11 *~~Leptena~~ ^{Leptena} sericea*. Northern Highland, Westerlo, N.Y. Hobbs. Brach.
- 10128 2 *Asaphus (tracks)*. Cincinnati, O. Powers. Tril.
- 10124 3 *Acidaspis crosotus?*. Cicero, Ohio. Powers. Tril.
- 4 *Proetus?* Hamilton Sh. Silur. Tril.
- Triarthrus becti* Ord.-Utica. N.Y.?
- Larval specimen about 3 mm. long.

Stenotheca exserta (SARDESON)

Middle Ordovician, Platteville Formation.
Beloit, Wisconsin.

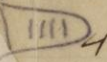
- 805 *Calymene senaria* | Seward, Ill. Ordov. Tril.
Beloit, Wis. Camb. Psephs.
- 6 *Isotelus maximus*, Richmond Ia. Ordov. Tril.
- 7 *Trinucleus concentricus* Sci. H. 2. III, PP. 279-281. 1884. Ordov. Tril.
- 8 ~~*Isotelus maximus*~~ *Negastos* showing ambulatory appendages. Ordov. Tril.
- 9 re-entered as 1544
- 10 *Tetradium librosum*. Versailles, Ind. H.C. Rauch, Powers. Ordov. Corals.
- 11 *Streptelasma* Reading, Ohio. Powers. Ordov. Corals.
- 12 *Leperditia crepiformis*. Richmond, Ohio? Powers. Ordov. Atracods.
- 13 *Monticulipora dalu* Cincinnati, O. Dussanlich. Ordov. Bryoz.
- 14 *Favosites Forbesi* Wabash, Ind. Ordov. Corals.
- 15
- 16 *Protarea robusta*. Richmond, Ind. G.W. Hall. Ordov. Corals.
- 17 *Monotrypa petasiformis*. Cincinnati, O. Powers. Ordov. Bryoz.
- 18 *Protarea* (var. *vetusta*) Lebanon, O. Wis. Acad. Ordov. Corals.
- 19 *Streptelasma corniculum*. Waynesville, O. Ward & Russell. Ordov. Corals.
- 20 *Pasceolus darwini*. Ohio? Powers. Ordov. Bryoz.
- 21 *Protarea vetusta*. Ohio. Powers. Ordov. Corals.
- 22 *Heterotrypa frondosa*. Ohio. Powers. Ordov. Bryoz.
- 23 *Monticulipora quadrata*. Richmond Ia. Powers. Ordov. Bryoz.
- 24 *Monticulipora mammillata*. Lebanon, O. Dussanlich. Ordov. Bryoz.
- 25 *Pasceolus darwini*. Ohio. Powers. Ordov. Bryoz.
- 26 *Monotrypa? filicosa*. Cincinnati, O. Powers. Ordov. Bryoz.
- 27 *Ceramopora beami*. Ohio? Powers. Ordov. Bryoz.
- 28 *Conchicolites minor*. Cincinnati, O. Powers. Ordov. Vermes.
- 29 *Chaetetes Jamesi*. Delafield, Wis. Wis. Acad. Ordov. Bryoz.
- 30 *Monticulipora petasiformis*. Ohio? Powers. Ordov. Bryoz.
- 31 *Monticulipora laevis*. Ohio. Powers. Ordov. Bryoz.
- 32 *Monticulipora punctata*. Delafield, Wis. Wis. Acad. Ordov. Bryoz.
- 33 *Callopora ramosa*. Cincinnati, O. C.W. Hall. Ordov. Bryoz.
- 34 *Monticulipora*. W.ilmington, Ill. Ordov. Bryoz.
- 35 *Chaetetes* nov. sp., undet. var. Delafield, Wis. Wis. Acad. Ordov. Bryoz.
- 36 *Homotrypa obliqua*. Cincinnati, O. Powers. Ordov. Bryoz.
- 37 *Rhaetopora maculata*. Cincinnati, O. Powers. Ordov. Bryoz.
- 38 *Streptelasma corniculum*. Hamilton. Richmond Ia. Ordov. Corals.
- 39 *Phyllopora clatterata*. Cincinnati, O. Powers. Ordov. Bryoz.
- 40 *Cornulites flexuosus*. Minneapoli, Minn. C.W. Hall. Ordov. Tril.
- 41 *Chaetetes*. Delafield, Wis. Wis. Acad. (Strong). Ordov. Bryoz.

- 842 *Monotrypella subglobosus* Cincinnati, Ohio. Richmond Is. Powers Coll.
Pachydictya Ohio. Powers. Bryoz.
- 10028 3 *Perinopora decipiens*. Ordov. Fril.
- 10045 4 *Ptilodictya magnifica*. Richmond Is. Powers. Bryoz.
- 5 *Chaetetes atritus*. Delafield, Wis. Wis. Acad. Bryoz.
- 6 *Alecto inflata*. Delafield, Wis. Wis. Acad. Bryoz.
- 7 *Monticulipora multiloberculata*. Delafield, Wis. Wis. Acad. Bryoz.
- 10007 8 *Batostomella briareus*. Cincinnati, Ohio. Powers. Ordov. Bryoz.
- 9 *Aulopora acanthoides*. Delafield, Wis. Wis. Acad. Powers. Bryoz.
- 10027850 10 *Monotrypella aequalis*. Ohio. Ordov. Bryoz.
- 1 *Chaetetes briareus*? Delafield, Wis. Wis. Acad. Bryoz.
- 2 *Monticulipora rectangularis multiloberculata*. Delafield, Wis. Wis. Acad. Bryoz.
- 3 *Trematopora annulifera*. Delafield, Wis. Wis. Acad. Bryoz.
- 4 *Corals, trilobites & brachiopods*. Delafield, Wis. Wis. Acad. Bryoz.
- 5 *Cerampora Ohioensis*. Cincinnati, Ohio. Powers. Ordov. Bryoz.
- 10030 6 *Monticulipora mammilata*. "Ordov. Bryoz."
- 7 *Ptilodictya schafferi* M. Ohio. Richmond Is. Powers Coll.
- 10029 8 *Perinopora intermedia*. Cincinnati, Ohio. W. Hall. Ordov.
- 9 *Trematopora granulata*. Delafield, Wis. Wis. Acad.
- 860 10 *Monticulipora* (var. *pulchellus*) Delafield, Ohio. Wis. Acad. Bryoz.
- 10036 X *Monticulipora frondosa*. Cincinnati, Ohio. Powers. Ordov. Bryoz.
- 10040 X *Leikaya aspera*. Ohio. Powers. Ordov. Bryoz.
- 3 *Coralline shale*. Delafield, Wis. Wis. Acad.
- 4 *Callopora ramosa*. Ohio. Powers Coll. Ordov. Bryoz.
- 10044 5 *Ptylodictya flexuosa*. Ohio. H.C. Powers. Ordov. Bryoz.
- 2698 X *Stictograptus* slate. Solenhofen, Bavaria. Ward & Howell. Juras. Crust.
- 2772 X *Pinacrus speciosus*. Ward & Howell. Juras. Crust.
- 2699 X *Aeger spinipes*. Munich. Ward & Howell. Juras. Crust.
- 2729 X *Aschisma longirata*. Ward & Howell. Eichstätt, Bavaria, Germany. Tracheata. Insects.
- 870 *Craticularia Jittoni*, Mantell. L. Chalk. Folkestone. G. Stüertgen, Bonn. (4007) U. Crut. Corals.
- 1 *Protophyllum multinerve*. U. Crut. Angios.
- 2 *"* Delafield, Wis. Wis. Acad. Bryoz.
- 3 *Heliolites* sp. Niagara. Sterling, Ill. Henry, Coll. Corals.
- 4 *Heliolites pyriiformis*. Racine Is. Racine Co. Wis. Acad. Sci. Corals.
- 5 *Caryocrinus ornatus*. Say. Niagara. Waukesha Beds. Genesee. Wis. Acad. Sci. Bystoids.
- 6 *Eucalyptocrinus crassus*. Niagara. Racine Is. Racine, Wis. Wis. Acad. Sci. Silur. Crinoids.
- 7 *Chaetetes lycoperdon*. Flintville, Ontario Co. Wis. Silur. Bryoz.
- 8 *Theca primordialis*. Deebach, Prussia. Pteropods.

Niagara. Racine, Wis.

- 5879 *Glyptocrinus nobilis*. Powers. Silur. Cinoids.
 880 *Glyptocrinus Siphonatus*. Coll. H. C. Powers. Silur. Cinoids.
 1 *Siphonocrinus nobilis*. Niagara Racine L. Silur. Wis. Acad. Sci. Cinoids.
 2
 3 *Eucalyptocrinus obconicus*. Powers. Silur. Cinoids.
 4 *Lynxocrinus melissa*. Powers. Silur. Cinoids.
 5 *Cyathocrinus Ohio*. Powers. Silur. Cinoids.
 6 *Gomphocrystites glans*. Niagara Racine L. Racine, Wis. Wis. Acad. Sci. Silur. Cystids.
 7 *Melocrinus verruculi*. Powers. Silur. Cinoids.
 8
 D 9 *Strophomena alternata*. Sw. Wis. Ordov. Brach. Wis. Acad. Sci.
 890 *Eucalyptocrinus ornatus*. Niagara Wauwatosa, Wis. Mil. Acad. Sci. Silur. Cinoids.
 1 *Eucalyptocrinus caelatus* H. Niagara Wis. Acad. Sci. Silur. Cinoids.
 2
 3 *Echinocrystites nodosus*. Ohio Niagara. Powers. Silur. Cystids.
 4 *Glyptocrinus araricus*. Racine, Wis. Niagara. Wis. Acad. Sci. Silur. Cinoids.
 5 *Cornulites flexuosus* H. Minneapolis, Minnesota. Coll. C. W. Hall.
 6
 7
 8
 10250 X *Primatophyllum davidsoni* Der. Petoskey, Mich. Here call.
 3 900
 1 *Magnolia pseudoacuminata*. Snow. U. Cret. Angios.
 2
 2670 X *L. Greensanti*. Farington, Berks, Eng. Ward & Howell. U. Cret. Corals.
 6 *Protoides aethnogenoides*. Dak. Terr. Ellsworth Co., Kas. Ward & Howell. U. Cret. Angios.
 7 *Sassaparacantholobum*. Dak. Terr. Ottawa Co., Kas. Ward & Howell. U. Cret. Angios.
 8 *Cyclolites elliptica*. Lam. L. Chalk. U. Cret. Corals.
 10357 X *Cyrtina hamiltonensis*. Waverly. Neward, Ohio. Hamilton. Zifford. Coll. O. L. Sussulick. Devonian Brach.
 910 *Agnostus acadicus* var. St. Martin. N. B. St. John Group. Sil. Id. Trilobites.
 1 *Ostrea panda*. Rotten. To. Zombigbee, Miss. Cambrian. Ward & Howell. Pelecypods.
 2 10168 X *Triarthrus Becki*. Utica. Rome. N. Y. Cambrian. Cast after Beecher. Tril.
 63 *Conocoryphe matthewi*. St. John. N. B. Cambrian. Matthew. Tril.
 4 *Ptychospira Kingi*. St. John. N. B. Cambrian. Tril.
 5 *Modiolopsis rectus* it. Niagara Ls. Racine, Wis. Silurian. Wis. Acad. Sci. Pelecyp.

- 916 *Amphicoelia leidy*. Chatterham, ^{Niagara} ²⁰⁰ ^{Powers} ^{Ordo} ^{Pelec.}
¹⁰¹⁰⁷ 7 *Tellinomya*. ^{Cincinnati} Clarksville, O. ^{Ordo} ^{Pelec.}
 8 *Ambonychia*. Richmond, Va. ^{Ordo} ^{Pelec.}
 9 *Cyclonema pyramidatum*. ^{Powers Coll.} ^{Ordo} ^{Gastero.}
⁹²⁰ *Bellerophon*. Reading, Ohio. ^{Powers} ^{Ordo} ^{Gastero.}
 1 *Dinorthis subquadrata*. Lebanon, O. ^{Ordo} ^{Brach.}
 ✓ 2 *Leptena rhomboidalis*. ^{Shelby Co., Ind.} ^{Niagara Falls} ^{Powers.} ^{Silur.} ^{Brach.}
 3 *Rhynchonella incribescens*. ^{Lebanon, Ohio} ^{Ordo} ^{Brach.}
 4 *Latmanella subquadrata*. ^{Minneapolis, Minn.} ^{Ordo} ^{Pryoz.}
 5 *Rafinesquina alternata*. ^{Lebanon, Ohio} ^{Ordo} ^{Pryoz.}
 6 *Phillipsastrea yandelli*. ^{Louisville, Ky.} ^{Ward & Howell.} ^{Devon.} ^{Corals.}
 6 7 *Trochomena Beachi*. ^{Belmont, W. Va.} ^{"First Layer,"} ^{Ordo} ^{Gastrop.}
 8 *Calymene Blumentachii*. ^{U.S. i. Dudley, Eng.} ^{Word ser. casts of fossils.} ^{Silur.} ^{Tril.}
 9 *Bellerophon bilobatus*. ^{Brongniart.} ^{Ordo} ^{Gastero.}
⁹³⁰ *Pleurotomaria subconica*. ^{Ohio} ^{Ordo} ^{Gastero.}
¹⁰¹¹⁵ X *Cyclomena phaedra*. ^{Ohio} ^{Ordo} ^{Gastero.}
¹⁰¹¹⁶ X *Cyclonema*. ^{Reading, O.} ^{Ordo} ^{Gastero.}
¹⁰¹¹⁹ X *Cyrtolites ornatus*. ^{Ohio} ^{Ordo} ^{Gastero.}
 ✓ 4 *Cyclonema bilix*. ^{Lebanon, O.} ^{Ordo} ^{Gastero.}
 5 *Murchisonia gracilis*. ^{Richmond} ^{Rock River, Ill.} ^{Ordo} ^{Gastero.}
 6 *Lophospira?* ^{Richmond} ^{Rock River, Ill.} ^{Ordo} ^{Gastero.}
⁹⁴⁰ *Tellinomya*. ^{Cincinnati, O.} ^{Ordo} ^{Pelec.}
¹⁰¹⁰⁵ X *Orthis mickleboroughi*. ^{Cincinnati, O.} ^{Ordo} ^{Pelec.}
¹⁰¹⁰¹ X *Cypriocardites hainesi*. ^{Cincinnati, Ohio} ^{Ordo} ^{Pelec.}
 940 *Pterinea demissa*. ^{Ohio} ^{Ordo} ^{Pelec.}
¹⁰¹⁰⁴ X *Cleidophora subelliptica*. ^{Cincinnati, Ohio} ^{Ordo} ^{Pelec.}
¹⁰¹¹⁰ X *Modiolopsis Cincinnatiensis*. ^{Ohio} ^{Ordo} ^{Pelec.}
 3 *Cuneamya miamensis*. ^{Richmond} ^{Ordo} ^{Pelec.}
¹⁰¹⁰³ X *Ambonychia radiata*. ^{Reading, Ohio} ^{Ordo} ^{Pelec.}
 5 *Ceramus pleurexanthemus*. ^{Lebanon, Ohio} ^{Ordo} ^{Tril.}
¹⁰¹⁰² X *Ambonychia radiata*. ^{Reading, O.} ^{Ordo} ^{Pelec.}
⁹⁵⁰ *Murchisonia bellicincta*. ^{Reading, Ohio} ^{Ordo} ^{Gastero.}
 8 *Murchisonia bellicincta*. ^{Waynesville} ^{Ordo} ^{Gastero.}
 9 *Murchisonia gracilis*. ^{Willco.} ^{Ordo} ^{Gastero.}
 950 *Productus fasciculatus*. ^{Waynesville} ^{Ordo} ^{Brach.}
 1 *Favosites spingensis*. ^{Waldron, Ind.} ^{H.C. Powers, Coll.} ^{Corals.}
 2

- 953
2  4 *Zaphrentis* Silur. Corals.
5
112
200 6 *Amplexus fenestratus* ^{Cato. Figured in} WHITFIELD, Geol. Wis. 1877 (1882, Pl. 15, fig. 2) Silur. Corals.
7 *Cyathoxonia Wisconsinensis* ^{Unknown. Niagara. Wis. Acad. Sci.} Silur. Corals.
8 *Amplexus* sp. Niagara U. coral Beds. ^{Wis. Acad. Sci. Sturgeon Bay, Wis.} Silur. Corals.
3 9 *Bellerophon bilobatus* ^{Balot} Ordov. Gastro.
11 960 *Amplexus Annulatus* Silur. Corals.
1
2 *Streptelasma borealis* ^{Waldron, Ind. Niagara.} Silur. Corals.
3 *Amplexus* sp. Niagara Newburg ^{Wis. Acad. Sci. Salem?} Silur. Corals.
4 *Chaetetes* ^{Flintville, W.} Ordov. Bryoz.
5 *Amphyma* Niagara. Racine, Wis. Silur. Corals.
6
7 *Syringopora admani*, Bill. ^{Niagara-Lower Coral Beds. Rockland Ledge. Wis. Acad. Sci.} Silur. Corals.
8 *Astrocerium venustum* ^{Unknown. Sterling, Ill. Niagara.} Silur. Corals.
5 9 *Homotrypa granata* ^{Delapfield, Wis.} Ordov. Bryoz.
970
1 *Chaetetes* sp. undet. ^{T28?, R14W, Wis. "Green-ton" Wis. Acad.} Ordov. Bryoz.
2 *Astrocerium venustum* ^{Wauwatosa, Wis. Niagara.} Silur. Corals.
3 *Heliotis macrostylus* Niagara. ^{Wis. Acad. Sci. Milwaukee, Wis.} Silur. Corals.
D 4 *Favosites niagarensis* Silur. Corals.
LO 2058 5 *Crioceras emend. Lev.* Cret. ^{Base. alps. Ward & Howell.} Juras. Ammon.
LO 2080 6 *Microdioceras Birchii* Sow. ^{L. Lias. Charmouth, Eng. Ward & Howell.} Juras. Ammon.
7 *Ammonites (Almathus) margaritatus* ^{Moulf. Lias. Charmouth, Eng. Ward & Howell.} Juras. Ammon.
8 *Ammonites* (section showing septa). ^{Lias. Lyme Regis, Eng. Ward & Howell.} Juras. Ammon.
LO 2025 9 *Nautilus lineatus* ^{L. Colite. Bridgport, Eng. Ward & Howell.} Juras. Nautiloids.
LO 2076 10 *Nautilus* (section) ^{Lias. Lyme Regis, Eng. Ward & Howell.} Juras. Nautiloids.
LO 2081 11 *Ammonites semistriatus* ^{L. Colite. Bridgport, Eng. Ward & Howell.} Juras. Ammon.
2 *Ammonites Parkeri* Sow. ^{Inferior Colite. Sully, & Bay (Colvado), France. Ward & Howell.} Juras. Ammon.
3 *Strophoceras hirsutum* ^{Strophoceras hirsutum. Sow. Juras. Ward & Howell.} Juras. Ammon.
1127/1940 Middle Jurassic 4 *Strophoceras bifurcata* ^{Ward & Howell. (153) Bonn, Germany.} Juras. Ammon.
2074 5 *Nautilus aratus* ^{Ward & Howell. Juras. Nautiloids.} Juras. Nautiloids.
LO 2106 6 *Pluratomana granulata* Sow. ^{L. Dogger. Sully, Bayeux, Fr. F. Krantz, Bonn. (117).} Juras. Gastrop.
LO 2379 8 *Pholadomya prope* ^{Kimmeridge Clay. C. Heize. Juras. Pelec.} Juras. Pelec.
LO 2346 8 *Peromya* ^{Ward & Howell. Juras. Pelec.} Juras. Pelec.
LO 2704 8 *Pycnodus Hugii* ^{Schmaltzheim, Württemberg. Juras. Fishes.} Juras. Fishes.

990	Lautlingen, Württemberg	Juras.	Ammon.
10	Ammonitessulifer.	B. Stütz, Bonn. (3995)	
2372 X	Infer. Colite. Bradford Abbey, Eng.	Juras.	Pelec.
10	Encellaea blonga. Sow.	Juras.	Pelec.
2373 X	Sully, Calvados, Fr.	Juras.	Pelec.
10	Lima hector. Colite. Ward & Howell.	Juras.	Pelec.
2435 X	L. Lias. Württemberg. Ward & Howell.	Juras.	Pelec.
10	Gervillia praecursor Quenst.	Juras.	Gastrop.
2468 X	Infer. Colite. Bayeux, Fr. Ward & Howell.	Juras.	Vermes.
10	Pleurotomaria armata.	Juras.	Echin.
2695 X	Solnhofen, Bavaria. Ward & Howell.	Juras.	Gastrop.
10	Limbicaria. Lithographic Plate.	Juras.	Pelec.
2569 X	Infer. Colite. Crickley, Eng. Ward's Nat. Sci. Est.	Juras.	Pelec.
10	Hybolyptus agaveiformis.	Juras.	
2429 X	M. Colite. Isle of Portland, Eng. Ward & Howell.	Juras.	
10	Crithium portlandicum.	Juras.	
2428 X	L. Lias. Lyme Regis, Eng.	Juras.	
10	Gryphaea arcuata.	Juras.	
2428 X	Isle of Portland, Dorset, Eng.	Juras.	
1000	Septulasma corniculum	Juras.	
2069	L. Colite. Stufenberg, Württemberg.	Juras.	
2545 X	Ostrea marshii. Sow.	Juras.	
2492 X	M. Kimmmeridgian. Hahleberg Northem.	Juras.	
4	Teribratula subula.	Juras.	
2537 X	Isogn, Calvados, Fr. Ward & Howell.	Juras.	
6	Teribratula umbonella. Lamk.	Juras.	
4	Colite. Seures, Fr. Ward & Howell.	Juras.	
2537 X	Teribratula phillipsii. Mon.	Juras.	
6	Lias. Suples, Calvados, France. Ward & Howell.	Juras.	
7	Rhynchonella thalia. D'orb.	Silur.	
8	Favosites Favosus	Silur.	
9	Niagara. Ohio.	Silur.	
10	Ptylodictya reticulata Powers.	Silur.	
1010	Cladopora.	Silur.	
1011	Alveolites.	Silur.	
2			
3	Ptylodictya granulosa. Ohio.	Niagaran	Powers
4	Cladopora reticulata	Ordov.	Bryoz.
5	Alveolites Pierce.	Silur.	Corals.
6	sp. Lindt. Niagara Upper Coral Beds.	Wis. Acad. Sci.	Corals.
7			
8	Niagara.	Ohio	Powers
9	Ptylodictya falciformis.	Silur.	Bryoz.
1020	Cladopora Niagara U. Coral Beds. Pierce.	Silur.	Corals.
1			
2	Favosites niagarensis	Silur.	Corals.
3	Niagara U. Coral Beds. For. estrille	Silur.	Corals.
4	Favosites niagarensis H.	Silur.	Corals.
5	Favosites (?)	Silur.	Corals.
6	Favosites niagarensis	Silur.	Corals.

- 1027 *Astrocerium venustum* H. Niagara. Little Sturgeon Bay. Silur. Wis. Acad. Sci. Corals.
- 1027 *Favosites occidentalis* Whitf. Copperstown Ledge, Niagara L. Silur. Wis. Acad. Sci. Corals.
- III 8 *Favosites niagarensis*. Silur. Corals.
- 9
- 1030 *Favosites niagarensis* Silur. Corals.
- 1 *Emphyra multiplicata* Silur. Corals.
- 2 *Favosites* Silur. Corals.
- 3 *Leptolites ovata* Lodi shale, Triassic, Penn. Silur. Corals.
- 4 *Halysites catenulatus microporus* Silur. Corals.
- 5
- 6 *Graptolithus clintonensis* Clinton Group, Rochester, N.Y. Ward & Howell. Silur. Graptolites.
- 7 *Helocrinus missouriensis* Penn. Crinoids.
- 8 *Hyalolithus quadricostatus* Camb. Pteropods.
- 10189 4 *Gastrophylum latrophyllum* Dr. Efel. Silur.
- 1040 *Halysites catenulatus* Greensfield, Niagara. Silur. Wis. Acad. Sci. Corals.
- 1 *Halysites catenulatus* Silur. Corals.
- 2 *Halysites catenulatus* Silur. Corals.
- 3 *Halysites catenulatus* Silur. Corals.
- 4 *Strombodes pentagonus* Niagara U. Coral Beds. Pierce. Wis. Acad. Sci. Corals.
- 5 *Halysites catenulatus microporus* Niagara Waukesha Beds. Pewaukee Village. Wis. Acad. Sci. (425) Corals.
- 6 *Halysites labyrinthicus* Goldf. Niagara U. Coral Bed. Cato Falls. Wis. Acad. Corals.
- 7 *Halysites catenulatus* Linn. Drift from Niagara Ls. Beloit, Wis. H.C. Powers, Coll. (423) Silur. Corals.
- 8 *Halysites catenulatus* Linn. Niagara Waukesha Co. Milwaukee Wp. Wis. Acad. Sci. Corals.
- 9 *Halysites catenulatus* Niagara. Milwaukee, Wis. Wis. Acad. Sci. Corals.
- 1050 *Strombodes pentagonus* Goldf. Drummond Island, Mich. Niagara. Silur. Corals.
- 1 *Stromatopora*. Silur. Corals.
- 2 *Favosites favosus*. Milwaukee, Wis. " "
- 3
- 4 *Astrocerium venustum* Sterling, Ill. Henry Coll? Niagara. Silur. Corals.
- 12773 5 *Leptolepis spratiformis* A. Polite. Solenhofen, Bavaria. Ward & Howell. Juras. Fishes.
- 6 *Betulites* L. stii. Lesq. Dak. ss. Ellsworth Co., Kas. Snow. U. Cret. Angios.
- 7 *Myrica longia* Lesq. Dak. ss. Ellsworth Co., Kas. Snow. U. Cret. Angios.
- 12700 8 *Leptolepis norrii* Ward & Howell. Solenhofen, Bavaria. Juras. Fishes.
- 9 *Aralia wellingtoniana* Coll. Snow. U. Cret. Angios.
- 1060 *Strophodontapropunda* Niagara Ls. Racine, Wis. Powers. Silur. Brach.
- 1
- 2
- 3 *Halysites agglomeratus* H. Cato. Niagara U. Coral Beds. Wis. Acad. Sci. Corals.

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|------|---|----------|------------------|------------|
| 1064 | Crinoid stem Niagara, Iowa. | Silur. | Powers. | Crinoids. |
| 5 | Cidarites tuberculatus. Germany. | Juras. | | Echin. |
| 6 | | | | |
| 7 | Halysites catenulatus. | Silur. | | Corals. |
| 8 | | | | |
| 9 | | | | |
| 1070 | Niagara Ls. Joliet, Ill. <i>Lituites capax</i> . Coll. A.H. Howth. | Silur. | | Cephal. |
| 1 | Niagara Ls. Joliet, Ill. Coll. A.H. Howth. <i>Orthoceras annulatum</i> . | Silur. | | Cephal. |
| 2 | | | | |
| 3 | <i>Calymene cornutus</i> . | | | |
| 4 | <i>Caryocrinus ornatus</i> . | Silur. | | Cyrtids. |
| 5 | Niagara Racine L. Racine, Wis. <i>Melocrinus verneuilli</i> . | Silur. | Wis. Acad. Sci. | Crinoids. |
| 6 | Niagara Racine, Wis. <i>Eucalyptocrinus crassus</i> . | Silur. | | Brainoids. |
| 7 | Niagara Unknown Wis. Acad. Sci. <i>Lamptrocrinus inflatus</i> . | Silur. | | Crinoids. |
| 8 | | | | |
| 9 | | | | |
| 1080 | | | | |
| 1 | <i>Phylloporia corticosa</i> ^{Common} Edg. ^{Plattin} Edg. ^{Edg.} | | | |
| 2 | | | | |
| 3 | <i>Heldoceras bifrons</i> | Juras. | | Cephal. |
| 4 | <i>Stamerus oblongus</i> J. de C. SOWER | Silurian | type species 183 | (Wis.?) |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | <i>Pentamerus</i> , Silurian, E. Wis. | | | |
| 9 | | | | |
| 1090 | | | | |
| 1 | Niagara Racine L. Racine, Wis. Wis. Acad. Sci. <i>Straparollus Racinensis</i> . | Silur. | | Gast. |
| 2 | | | | |
| 3 | | | | |
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| 5 | | | | |
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| 7 | <i>Chaetetes</i> . Trenton Falls, N.Y. | Ordov. | Powers. | Bryoz. |
| 8 | | | | |
| 9 | | | | |
| 1100 | | | | |

(14)

- 1/101 *Stromatopora concentrica* Silur. Corals.
 2 *Liosticus orangondianus* Mamb. Tril.
 3 *Liadema* Ward & Howell. Chalk. Kent, Eng. U. Cr. Echin.
 4
 5
 6 *Montlivaltia dispar.* Jurassic. Oolite | Ettingschuess, Württemberg, S. Ger.
 7 *Halysites catenulatus.* Niagara. Silur. Corals.
 8 *Strombodus pentagonus.* Louisville, Ky. Niagara Creek. Silur. Ward & Howell. Corals.
 9 *Dikelocephalus crassimarginatus.* Camb. Tril.
 10 *Heliolites pyriformis* (?) H.C. Powers, Coll. Silur. Corals.
 1
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 3
 4 *Streptelasma calyculum* H. ? Silur. Corals.
 5
 6 *Homospira evax.* Niagara Form. Waldron, Ind. Silur. Powers. Brach.
 7
 8
 10333 X *Atrypa asper.* Der. Guelstein, Prussia - Walther
 1120
 1
 2 *Urcinulus stricklandi.* Niagara. Shelby Co., Ind. Silur. Powers. Brach.
 3
 4 (Locality erroneous)
 5 *Favosites favosus.* Silur. Corals.
 6 *Meristina maria* Powers. Niagara. Waterbury, Ind. Silur. Brach.
 7 *Actinocerium venustum.* Silur. Corals.
 8 *Spirifer niagarensis.* Niagara. Wauwatosa, Wis. Silur. Powers. Brach.
 10073 X *Pholidops cuneimateris* Picknord. Cincinnati?, O.
 1130
 1
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 3
 4 *Strophodonts profunda.* Niagara Form. Ohio. Silur. Powers. Brach.
 5
 6 *Pentamerus uncinatus* Niagara. Wauwatosa. Silur. Powers. Brach.

1138

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1140

1 *Leptobolus lepis* Ohio. Ordov. Powers coll Brach.

2

3 *Stropheodonta profunda* Niagara Ls. Racine, Wis. Silur. Powers. Brach.

4

5 *Homospira crax* Niagara. Waldron, Ind. Silur. Ward & Howell. Brach.

6

7

8 *Rhipidomella indianensis* Loc. unknown.

9

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3 ~~*Leptobolus conradi*~~

4

5 *Strophostylus cyclostomus* Niagara Form. Shelby Co., Ind. Silur. Powers. gastrop.

6

7 *Myrica longa*

8

9 *Ambonychia antirostra* Niagara. Bridgeport, Ill. Powers. Silur. Pelecyp.

1160

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7 *Byrtoceras dardanus* Niagara Milwaukee, Wis. Mil. Acad. Silur. Cephal.

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1 *Orthisceras wauwatosis* Geisenocerin wauwatosisense (WHITFIELD 1881) (Silur?) Cephal.
Niagara (Mil.) Wauwatosa type species
H.C. Powers. Cephal.
Beloit, Wis.
about 1885.

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- 1175
6
7 *Anomalodonta gigantea*. Ohio. Powers. Pelecy.
8 *Viburnum* ^{*Stercularia* *snagii* + *Rhamnus*} *Sesquiereauv.* Ellsworth Co., Kas. Dak. ex. U. Cret. Coll. Snow. Angios.
9 *Sassafras crataegum*. Dak. ex. U. Cret. Angios.
1180 *Magnolia alternans*. ^{Dakota ex. Ellsworth Co. Kas. Coll. "Snow"} U. Cret. Plants.
1 *Glyptaster pentagonalis*. Niagara. Ohio. Powers. Cinnoids.
2 *Holocystites alternatus*. Niagara. Racine, Wis. Powers. Silur. Crystoids.
3 *Lichenocrinus tuberculatus*. Niagara. Ohio. Powers. Silur. Cinnoids.
4 *Pentamerus obliquus*
5
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7
8
9 *Dawsonoceras annulatum* P
1190
R 1 Reentered as no. 1402
2
3 *Dalmanites limulurus* ^{Niagara. form.} Powers. Silur. Tril.
4
5 *Cystostylus fundibula*. ^{Unknown.} Niagara. Silur. Corals.
6 *Heliolites pyriformis*. Silur. Corals.
7 *Flabellum* ^{Fairington, Berkshire, Eng. Ward's Nat. Sci. Est.} L. Cret. Corals.
8 *Micraster cor-angulum*. ^{N. Chalk. Kent Eng. Ward & Howell.} U. Cret. Echinoids.
1200
1 *Bumastus* ^{*Bumastus* *reg. cuniculus*} of *cuniculus* (HALL) M. Silurian, Niagaran, Wauwatosa, Wis. ? Source: Wis. Acad. Sci.
2
3 *Dutyophyton tuberosum*. Italy Hill, N.Y. Channing. B.H. Wright.
4
5 *Bumastus insignis* Niagaran. L.
6 *Synsopora verticillata* Niagaran. L. L. H. T.
7 *Illecebrus* ^{*Illecebrus* *cornutus*} *cornutus*. ^{New Catalogue 1408}
8
9 *Illecebrus cuniculus*. ^{re-entered. New cat. 1413, 1417} Silur. Tril.
1210
1 *Spizfer arenosus* Union Springs, N.Y. Brallinger.

M. Silurian, Niagaran

Wauwatosa, Wis. - Source: Wis. Acad. Sci.
Coll. by the Wis. Geol. Survey of the 1870's

Bumastus sp.

Re-entered new cat. 1415

new cat. 1216 + 1218
Illeenus insignis.Niagara Ls. Wauwatosa, Wis.
Silur. Wis. Acad. Sci. trilob.
collected by the Wis. Geol. Survey of the 1870's

new catalog 1411

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353

Type.....Cat. 1233

Name Columbites Fauna

Horizon Paris Canyon Shale

Loc. NW $\frac{1}{2}$ section 9, T. 14
S., R. 43 E., Paris Canyon,
Bear Lake County, Idaho

Coll. Kummel Date 1941 Iden.....

GOMPHOCERAS DELINI

From the Devonian (Hamilton)
of Milwaukee, Wisconsin. Note
the very large living chamber,
which is nearly complete in this
specimen, and the tapering of
the shell toward the protoconch.

Reidentified by G. O. Raasch.

13/7 (1269)

- 1249
- 1250 *Pecopteris arborescens*, Penn., Morris, Ill., H.C. Powers
 1 " *squamosa* " " "
- 10226 *Favosites angus* Hamilton. Kashong Creek, N.Y. Wright
 3
 4 Cmt. Wrentham, Mass. ^{Wrentham, Mass. 1884?}
 5
 6
 10227 *Athyia spiniferoides* Hamilton ^{Penn.} Cayuga Falls, N.Y. ^{New York, R.I.}
 7 *Michelinia* (no data)
 8
- 10236 *Michelinia cylindrica* Coniferous Falls of the Ohio ^{Wood + Howell}
 1260
 1 ^{Niagara.} *Whitfieldella nitida* ^{Waldron, Ind.} Silur. ^{Powers.} Brach.
 10217 *Favosites hamiltonensis* Rom. Hamilton, Petoskey, Mich.
 10267 *Coenostroma monticulifera* " Little Traverse Bay.
 10228 *Favosites plocata* Hamilton. Widder, Canada
 10242 *Pachyphyllum woodwardi* Dev. Hochberg Fm. Iowa.
 6
 7
 8
 9 *Hamilton.* ^{Milw., Wis.} *Gomphoceras brevipostum* ^{calvini CLELAND (Donor: CARL DOERFLINGER, Milwaukee, Wis. 1884)} Dev. Cephal.
 1270 *Gomphoceras calvini* CLELAND (Milwaukee Fm., Berthelot Memb., Zone B?) 1884)
 10214 *Favosites hamiltonensis*, Hamilton, Petoskey, Mich. ^{H.C. Powers.}
 2
 10184 *Cystiphyllum ohioensis* Dev. Columbus O. O.L. Susselich
 4
 10185 *Cystiphyllum vesiculosum* goldfuss Coniferous. Columbus, O. ^{O.L. Susselich}
 10182 *Alucacophyllum cruciforme* Dev. Columbus, O. Susselich
 10232 *Amplexus distortus* Hamilton Kashong Creek, N.Y. B.H. Wright
 10198 *Cyathophyllum nettlethorpi* Davis. Dev. Columbus, Ohio. Susselich
 10210 *Zophrentis broppi* Hall. Dev. Coniferous. Columbus, Ohio ^{O.L. Susselich}
 10230 *Favosites heldenbergensis* L. Heldenberg ^{H.C. Powers} Kashong Falls, N.Y.
 X Discarded
- 10255 *Dendropora ornata* Dev. Coniferous ^{Wood + Howell} Clarke Co., Ind.
 3
 4
- 10227 *Favosites polymorpha*, Coniferous. Columbus, Ohio. Susselich.
 10209 *Zophrentis gigantea* Dev. Falls of the Ohio; Wood + Howell.

1286

7 Discarded

$\frac{0}{10272}$ X Castings, Dev. ~~Portage~~, Penn Yan, N.Y. B.H. Wright.

X Discarded

$\frac{0}{19266}$ 10 *Coenostoma justitiae* Hamilton. Little Tracery ^{Bay} ~~High~~

1

$\frac{0}{10223}$ 2 *Favosites hemisphaerica* Foss of the Ohio, Ky. *Coniferum* Pomer.
Hamilton museum sh. Kashany Creek, N.Y. Coll. Berlin H. Wright.

3 *Favosites Hamiltonae* Dev. Coral

$\frac{0}{10229}$ X *Favosites plocata*, Devonia. Bartlett's hills, Ontario H.C. Pomer.

$\frac{0}{10225}$ X *Favosites turbatus*, Columbus, O. *Coniferum*, OL Sussolich.

6

7 Fern leaf ad Fam. Pecopterida M. Pennsylvanian "Mazon Creek", Illinois

8

9

$\frac{0}{10231}$ 1300 *Diphyphyllum panicum* Chemung East Port, Pa. H.C. Pomer

1

3 *Alathopterus serici* Penn. Pittston Pa.

4

$\frac{0}{10205}$ X *Zophrentis profunda* Dev. Columbus, Ohio Ad. Sussolich H.C. Pomer.

$\frac{0}{10268}$ 6 *Chorophyllum ellipticum* Hamilton. Cens Ford Co., Iowa

7

8

9

$\frac{0}{10215}$ 10 *Favosites hamiltonensis* Hamilton. Petoskey, Mich.

$\frac{0}{10379}$ X *Leperditia alta* L. Helderberg. Shaleville, N.Y. Pomer.

Hamilton F. Watson, Clark Co., Ind. Broken silicified specimen showing spiral and brachidia C.H. Greene.

2 *Spirifer granulifera* Hall. Devon. Brach.3 *Zaphrentis lamasteri*, Greene. Devon. Corals.4 *Pecticularia pseudolineata*, Hall. Devon. Brach.5 *Forbesicrinus multibrachiatas*, Lyon. Miss. Brinoids6 *Athyris Fultonensis*, Swallow. Devon. Brach.7 *Tarocrinus lamellosus* (Var.) Collette. Miss. Brinoids8 *Athyris lamellosa*, Button Knob Ky. Devon. Brach.9 *Spirifer zizac*, Hall. C.H. Greene. Devon. Brach.

1320 *Favosites clausus*, Rominger. " coll. C.H. Greene. Corals.

1 *Spizella* group (Sub. Carb.) Warren Co. N.Y. " Brach.2 *Pentamerites pyriformis*. Miss. Blastoids

Plasmodia group (Sub. Carb.) Warren Co., N.Y.

- Warsaw Div. St. Louis Group. Edwardsville, Floyd Co. Ind.
- 1323 *Spirifer suborbicularis* Hall. Miss. Brach.
4
- 10319 *Leiorhynchus limitare* Hamilton Cayuga Falls, N.Y. Penn.
6
- 2 7 *Phacops rana* (Wells) rana. E. N. Greene. Devon. Tril.
8
9
- 1330
1
- 2 *Eroneurus local* & form (is Ordovician)
D 3 Transferred to mineral series. Buhrotone.
D 4
5
6
- 10315 *Chonetes caviata* Hamilton Casenovia, N.Y.
8 *Spirifer mucronatus* Devon. Brach.
9 ~~*Platystrophia hammondi*, Conrad.~~ .. ~~cast~~
- 1340
1 *Spirifer mucronata* Devon. Brach.
2
3
4 Discarded
5
- 10242 *Athyris spiniferoides* Hamilton Moscow, N.Y.
10340 *Spirifer mucronatus* Dev. Thetford, Ont.
8 *Athyris reticularis* Cedar Valley shale SE. Iowa Brach.
9 *Rhipidomella pectus*
- 1350 *Lepidodendron cruciatum* Pennsylvanian Ottawa? Ill.
- 10294 *Schizophoria tulliensis* Hamilton Onondaga, NY
2 *Turbo shumardi* (De Vermill) Devon. Gastrop.
3 *Murella striatacostata* Penn. Brach.
4 *Spirifer granulifera* Hamilton F. Devon.
5 *Atrypa reticularis* Linnaeus. Devon. Showing spiral appendages.
6 *Pentamerites robustus* Lyon. Miss. Blastoids
7 *Spirifer acuminata* Coll. C. N. Greene. Devon. Brach.
8 *Pentagonia semisulcata* Conrad. Devon. Brach.
9 *Reticularia fimbriata*

- 1360 *Atrypa reticularis* Linnaeus. ^{Hamilton Group. Watson, Clark Co. Ind.} Devon. ^{Showing the crenulations in the hinge the} Brach.
^{Amabilis (Hindley hook) br. 3 mi. W. of N. Albany, Ind.} *Syringothyris typus* Carteri S. H. Greene. ^{this shows the muscle impression & apical} Brach.
 2 *Phacops rana* Green. ^{Hamilton Gr. Watson, Clark Co., Ind.} Devon. Tril.
 3 *Athyris spiriferoides* Eaton. ^{Hamilton Group. Charlestown, Ind. Col. C. H. Greene.} Devon. Brach
 4 *Atrypa reticularis* Linnaeus. ^{Hamilton Gr. Watson, Clark Co. Ind. Col. C. H. Greene.} " "
 5 *Productus cora* D'Orbigny. ^{Coal Measures, Grand Summit, Kansas.} Penn. "
 6 *Rhynchonella dilatata* Zrias. ^{Sandling m. Russel, Austria. Ward & Howell.} Irias Brach.
 7 *Maclurea Bigsbyi*. ^{Plattineburg.} Beloit, W. V. Ordov. Gastrop.
 8 *Strophodontia demissa*. ^{Plattineburg.} Powers. ^{Beloit, W. V.} Devonian Brach.
 9 *Strophodontia demissa*. ^{Hamilton.} Powers. Devon. Brach.
 10316 *Lituites Robertsoni*. ^{Beloit, W. V.} Ordov. ^{Powers.} Cephalopode.
 10316 *Chonetes* sp. ^{Dev. Hamilton.} ^{Coguzza Lake, N. Y.}
 10346 *Spirifer granulosus*. ^{Hamilton. Poughkeepsie, N. Y.}
 10311 *Chonetes setigera*? ^{Hamilton.} Poughkeepsie, N. Y.
 1380 *Onondaga* Ls. ^{Columbus, Ohio.} Devon. Brach.
 4 *Spirifer acuminatus* ^{Ordo} Brach.
 5 *Athyris lamellaria* ^{Miss} Brach.
 10326 *Atrypa reticularis* ^{Dev. Hamilton} ^{Widder, Canada.}
 10326 *Cyrtophyllum anemicum* Est. ^{Hamilton Gr. Widder, Canada}
 3 *Heliosphyllum halli* ^{Hamilton Montevue, N. Y.} Devon. Coral
 1076 *Favosites hamiltonia* ^{Hamilton} ^{Kashong Creek, N. Y.} B. H. Wright

- 1398
 9 "Asterophyllites" ~~Penn.~~ Cumberland, R. D.
- 1400
 1
 2 (fern) Pennsylvanian Ottawa, Ill.
 3 Neuropterus " "
 4 " etc " Pittston, Pa.
- $\frac{10}{10280}$ X Fish plate Devonian - Chemung Est. Point, Pa. H.C. Powers.
 6 Pecopteris " " Burlington, Iowa [?] prob. Ottawa, Ill.
 7 Stigmario " " Ottawa, Ill.
 $\frac{10}{10275}$ X Lycopodites vanuxemi. Chemung. Gorton, N.Y. Powers.
- 1410
 1 Calamites penn. Lawrence, Kan.
 Michelinia claffi der. coral.
 2 Neuropterus Pennsylvanian Ottawa, Ill.
 3
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 5
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 7
 8
 9
- 1420
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 III 3
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- 1430
 D 1
 2 Spirifer iowensis Dev. Milwaukee Berthelot
 3 Milwaukee Cement Quarry Pleistocene # j. Value 5.10.
 4 Actinopteria boydi Dev. Falls of Ohio, West. Pelecy.

1435

6

7

1068

8 *Lima gigantea* Verlinden. Col. Unknown.
L.I. is.

Pelec.

9 *Platyceras humosum*.

Devon.

Gastrop.

1440 *Halysites catenulatus* Linn.

Silur.

G. H. Greene

Corals

1 *Michelinia clappi* E. & H. M. Dev.

Devon.

Corals.

2 *Favosites argus* Hall.

Devon

Corals.

3 *Diphyphyllum Wadsworthi* Greene.

Devon.

Corals.

4 *Heliohyllum furleyi* C. H. Greene.

Devon.

Corals.

5 *Platystrophia biculenta*.

Devon.

Corals.

6 *Conocardium subtrigonale* Greene. Devon.

Pelec.

10285 8 *Athyris spiriferoides*

Hamilton

Cayuga Lake, N.Y.

N.Y.

10303 8 *Strophodontes pygmaea*

Chemung

Stony Hill, N.Y.

Wright.

9

14750

1

2

3

4

Milwaukee fm.

3 *Schizophoria impressa* (Schlottheim) Hamilton. Milw. Co., Wis. Col. C. Doerflinger.

Devon.

Brach.

6 *Eospirifer macropleura* N.Y. / Dev. Helderberg

Brach.

7

10367 8 *Anbrosia unborata* Chemung Cortland, N.Y.10320 8 *Athyris gerolstein* Devon.1460 *Spirifer andacula* con.

Devon.

Brach.

10352 8 *Spirifer planellosa* L. Helderberg New Berlin, N.Y. H. Powers.

2

3

10349 8 *Spirifer mesicostalis* Ithaca gr. N.Y.

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10317 20 *Leiorhynchus mesacostalis* Ithaca sh. W. N.Y.

10317

X Dissected

1472

3

 $\frac{10}{10365}$ *Anhococlia unborata* Hamilton Ludlowville, Ind.

3

6

7

8

Hamilton, Zhetfort, Ont.

Athyris spireferoides Devon. Brach.

9

1480

1

M. Devonian, Iowa.

Atrypa hystrix var. *occidentalis*. Devon. Brach. $\frac{10}{10336}$

2

3

 $\frac{10}{10335}$

4

Atrypa hystrix Chemung. Italy Hill, N.Y.

5

6

 $\frac{10}{10251}$

7

Heliophyllum halli Dev. Hamilton Kosberg Creek, N.Y. ^{Wright}

8

Heliophyllum halli ^{Widdow, Canada.} Hamilton Group. Devonian. Coral.

9

 $\frac{10}{10240}$

10

Campophyllum nanum Hamilton Dev. Ceno Gordo Co., Ind. ^{McPover}

1

 $\frac{10}{10177}$

2

Cystiphyllum americanum Seneca Lake, N.Y.*Heliophyllum* Hamilton Group. Devonian Powers. $\frac{10}{10325}$

3

Atrypa reticularis. Dev. Independence, Iowa Powers.

4

5

6

Mariopterus Penn. Kendall Co., Ill.

7

Wrentham, Mass.

8

9

1500

 $\frac{10}{10318}$

X

Leiorhynchus nescentalis. Chemung Cayuga Co., N.Y.

2

3

 $\frac{10}{10179}$

4

Artisiphyllus harlani Clinton. Rochester, N.Y. ^{Ward & Bond} $\frac{10}{10203}$

5

Cystiphyllum resinolusum? Dev. Tully ls. Kosberg Creek, N.Y. ^{Wright}

6

Schizophoria striatula - Milwaukee, Wis. Dev. Brach.

7

8

31

6
 $\overline{10305}$
~~1509~~
 $\overline{10334}$
~~1510~~
 $\overline{10097}$ +

Strophodonta varicostata L. Helderberg. Oriskany Falls, N.Y.
Atrypa püsca Der. Bellows Falls, N.Y. Powers.
O. (Platystrophia) laticostata. Ohio. Powers. Ordov. Brach.

2

3.

Spirifer

Dev.

? 4 *Spirifer hungerfordi* Iowa, Powers, Dev. Brach.

5

$\overline{10269}$ 8 *Prismatophylax davidsoni* Hamilton Petoskey, Mich.

7

$\overline{10218}$ 8 *Fossites nitella*, Winchell. Dev. Hamilton Petoskey, Mich.

9

1520

1

2

$\overline{10328}$ 3 *Atrypa reticularis* L. Helderberg. Oriskany Falls, N.Y.

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1370

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10262

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1580

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10331

A

^{Hamilton} *Aviculopecten* ^{New York} *exacutus*. Devonian. Pelec.

Cupressocrinus Devonian Upper Harz.

Donvilina inequistriata Dev. Moscow sh. Penn Yarn, N.Y. B.H. Wright.

Risella caillardi d'orb. Pellmar's Rock, Cal. Montreuil, Pelec.

Osage Gr. Indiana. Col. E. H. Knecht.

Cryptoblastus melo. Miss.

2 valves attached by the hinges. C. H. Greene.

Strypa reticularis Linn. Devon.

Onchocara Ls. Falls of the Ohio. C. H. Greene.

Syringopora tabulata. Devon.

Goniatites striatus U. Miss. C. H. Greene.

Cynocrinus barbatus. Devon

Cylindrophyllum parvum Hamilton Gr. Petoskey, Mich.

Blastoid.

Brach.

Cephal.

Cephal.

Crimoids

1583

4 Disordered

5 Disordered

 $\frac{10}{10199}$ 6Cystophyllum cylindricum, Hamilton. Kashong Creek, ^{Pow.} N.Y. $\frac{10}{10200}$ 7Heliophyllum Halli Hamilton. Onondaga Co., N.Y. ^{16 mi. S. of} $\frac{10}{10187}$ 8

Cystiphyllum corrugatum Der. Hamilton. Shoreale Lake

 $\frac{10}{10183}$ 9

Cystiphyllum cylindricum E+H. Devonian. 18 mi. S. of Hamilton, N.Y.

1590

Gaphrentis Halli ^{Powers.} Hamilton Cr. Devon $\frac{10}{10192}$ X

Cyathophyllum laughtoni Rom. Hamilton group. Little

2

3

Disordered

5

Heliophyllum? Devon. Hills. Town. Hills

 $\frac{10}{10204}$ 6

Zophrentis Hamilton Shoreale Lake,

7

8

(11 Prestwichia "danae"). Euproops danae (MEEK & WOOD)

type species. Upper Carboniferous, "Coal Measures". Plaster Model

Bunodes lunula NIESZKOWSKI, 1859 type species

Silurian. PLASTER MODEL purchased from WARD'S

Natural Science Establishment, Inc., Rochester, New York

Strabops thatcheri BEECHER, 1901, type species. Plaster model. Upper Cambrian, North America

1600

1

Calamites ^{Genopterus cestrotus (CLARKE, 1907)}

2

Palaeophorus nunciatus THORELL & LINDSTROM, 1844

3

Sphenopsis ^{Mid. Pennsylvanian, Francis Creek Shale}

4

Pecopteris, Pennsylvanian, Cumberland R.D.

5

Pittston Calamites " Pittston, Pa

6

Goniolithion strictum (Rhodophyceae) Recent ^{Key West, Florida}

7

free on rather sandy bottom, in 3-10 dm of water

8

fam. " Ottawa? 200

9

W. Arkansas

1610

1

Callipterus sullivanii " ? "

2

Pecopteris? Pennsylvanian, Ottawa, Ill?

3

Pachophyllum filiciformis " ? Ill.

4

Pecopteris " 2 2

5

Annularia, etc " ? Ill.

6

Pseudopecopteris cordato-ovata " ? "

7

Annularia " ? "

8

Cordaites with snow attached " ? "

9

Lycopodites asterophyllites folium " ? "

Cast # 1597

Ward's Natural Science Establishment, Inc. Rochester, N.Y.

Belinurus lacoci Packard
Coal Measures.

N.Y.

N.Y.

1583

4 Disordered

8 Disordered

10199

10200

10187

10183

1590

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Disordered

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1600

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1620

Calamites

Ottawa, Ill?

1

2

coal.

Callipteris sullivanii

Neuropteris

Penn. Col. 6501.

Plasato.

3

Callipteridium sullivanii

Penn.

Brach.

4

Lepidostrobus sp.

Mid. Pennsylvanian, Francis Creek Shale

"Mazon Cr." Grundy Co., Ill.

5

6

Callipteris

Carb.

Pittston, Pa

Scranton, Pa

7

8

9

1630

1

2

Carb. Crawfordville, Ind.

Scaphocrinus aureyi. Carboniferous.

Crinoid

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1640

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1650

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1657

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9

Warsaw div. (St. Louis Gr.) Spargen Hill. Coll. E. N. Greene.

Strapardus spargensis. Hall.

Ammonites lunula. Zeiter.

Sub-carb. Ottumwa, Ia.

Allosina sinuata. Powers.

Coal. Carbon Hill, O. Ho.

Zacrinus moorei.

Carbon. Scotland. Powers.

Rhynchonella pleurodon.

Lachenau, Switzerland. (Skinner only) Ref.

Bidaris coronata. M. Colite

Cincinnati. Shale

Plectothris plicatella. Cincinnati, O.

Hamilton. N. Y. Lexington, Ind.

Bellerophon palpos. Greene.

Littorites occidentalis. H. C. Rockford

Hamilton F. Powers.

Homotoma billicincta. Limestone

Wattsella

Diphyranella testudinaria. Spring V. Minn.

Atrypa reticularis prisms.

Asaphus gigas.

Receptaculites Oweni.

Danville, Ill. F. M. Lockerton Coll.

Productus longispinus.

Danville, Ill. F. M. Lockerton Coll.

Pygostoma proliferum

Spirifer trigonalia.

Chonetes logani. Powers.

N. Chall. Maestricht, Holland. Dr. F. Krantz, Bonn. (81)

Lamna tricuspidata. Ag.

N. Y. Cumberland Co. Tenn. Ward & Howell.

Lutrenites pyriformis.

Chonetes scitula. Powers. Hamilton.

Mytilus hausmanni. Goldf.

Spirifer Reekuk. Carboniferous. Powers.

Scaphocrinus aequalis.

Acaphus quadrilobus.

Pleurophorus tropidophorus.

Bidaris florigena.

Bidaris desori. Ucker. Phetic.

Glyptocrinus hieroglyphicus. Goldf.

Productella hallana. Powers.

Actinocrinus unicornis. O. S.

Pentacrinus tuberculatus.

Ammonites hertius compressus. H. C. Rockford

Productella spinulicostata. E. N. Greene.

Miss.

Juras.

Miss.

Penn.

Penn.

Carb. Ind.

Juras.

Ordov.

Devon.

Ordov.

Ordov.

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Devon.

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Penn.

Gastrop.

Common.

Pelec.

Pelec.

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Pioche, neu

Ward & H

1694 *Jacanthoides typicalis* W.
3-

M. leambr.

Tril.

2036 ~~6~~ *Lytorus* *tirensis*? *Lis.* *Heselerweg* *Stutt in Bonn.*

$\frac{0}{10260}$ 7 Prim, Eifel M. Dev. B. Stütz, Bonn. (1862)
Symbathocrinus tabulatus Miller. Devon.

10
163328 *Strypa prunipilaris*. ^{Geyerstein, Prussia.} ~~Ward~~ ^{Levon}

9 *Eucalyptocrinus cornutus* (?) H. Silber, Acad. Sci. Grinnids

17.00 *Lityites undatus*. unknown Order. unknown Cephal.

1 *DeKellocephalus peripneus*
2 Niagara.

Eucalyptocrinus ornatus. Milwaukee. Silur. Powers. Trinoids
Miss. Liess. Germann. Powers.

2017 3 ^{Mid. Lias. Germany. Powers.} *Belemnites clavatus*. Juras. Cephal.
Gerasov, P. A. (1989) *Belemnites of the Jurassic of the USSR*. (St. Petersburg, 1989)

Grossouvre, Germany. Powers. Reineckia angusta (REINECKE, 1898)
10 Ammonites angusta. Mid-Jurassic, up Dogger. M. Collovian type. Species Ammon.

2472 *Crania antiqua*, Defm. Cetaceous. Cysty
Bumbers Bawaria. Pres. C. Dörlinger.

2095 6 *Ammonites pectinocompressus* Quenstedt. Juras. Ammon

7	² Has. city, Mo.	Penn.	Crinoids
10-11	<i>Eupachyocrinus magister.</i>		

2577 *Salenia scutigera*, Seronien. Rouen, France. Kütz.

$\frac{10}{2684} \times$
 $\frac{1}{2462}$

Lituola nauteloides Senior. Mendon, France. Krat.

~~2462~~
~~777A~~ *Melania stigillata* L. Trías. ^{many} St. Cassian. Tyrol, Italy

2563 - *Catopygus penetratus* Ag. Senonion. Aply, Belgium. Strictly

2399 *Pecten asper*. U. Greenard Warminster
James Hudson R. Shaleys call N. C. Powers

3 *Pleurotomaria Phionensis*. ^{Cincinnati Ohio} ^{Trav} ^{Gastrop}
 Coal, La Salle, Ill. Coll. E. Blackwelder. Carbon Hill, Ohio

4 *Productus longispinus* (Perr.) Brach.

Menton limestone coll. $\frac{3}{4}$ C. Powers

1976-6 *Hormotoma gracilis* ^{Ex. C. S. Darnall} ^{H.C. Darnall} ^{fastiops}

1030 *Eup. Strophodonta armata*. Hamilton. Cross Gordo, La

Chemung, East Point, Pa. -

9 *Rhynchonella orbicularis*, Povers. Devon. Brach.
Wood + Howell

1790 *Ostrea gegaria* Sow. M. Valite. Viel-St.-Remy, Ardennes, France.
Hudson River This Acad. 12

Delapfield Wis. Order. Sci. Bryoz.

2 *Palaeophyllum* *dwaricans* *Ordov.* *H. C. Pomeroy* *Corals*
3 *Styli* *Cinnac.* *Coll. T. C.*

3 *Stellipora polystomella* ^{ascinnata, Br.} ^{elefeld, Br.} Ordov. Chamberlain, Fryoz.
Hamilton, Caprielle, N. Y. Powers.

4 Tellersphondylium brevilineatus Conn. Devon. Gastrop.

10384 *Triculites triquetus*.
Hamilton, Carlville, N.Y.

- 1731 ^{10/2084} *Ammonites praeordialis* Upper Lias, "Sibloth", Alsace. H.C. Powers.
- 1998 ¹⁰ 2 *Serpulites dissolutus* Hudson River shale. Ordov. H.C. Powers. (581) *Hermes*.
- 3 *Constellaria limitaris* Hudson River shale. Clarksville, O. Ordov. Coll. H.C. Powers. (136) *Bryoz.*
- 10012 ¹⁰ 4 *Callopora arborea* Hudson R. shale. Ordov. H.C. Powers. *Bryoz.*
- 6 5 *Burlington limestone*, Burlington, Ia. Col. E. Blackwelder. Miss. *Bryozoid.*
- 6 *Hyalolithes*, unknown. Ordov. *Pteropods.*
- 7 *Serpulites Jamesi* unknown. Ordov. H.C. Powers. *Hermes*.
- 8 *Strioporella frondifera* Uls. mpls & St. Paul. Minn. Ordov. *Bry.*
- 10053 ¹⁰ 4 *Montipora petaloides* Cincinnati, Ohio. Ordov. H.C. Powers. *Bryoz.*
- 1740 *Chaetetes brearia* Reading, O. Ordov. Coll. H.C. Powers. *Bryoz.*
- 1 *Spirifer* Burlington Co. Whitakers Quarry. Miss. *Brach.*
- 2 *Athyris subtilita* Penn. *Brach.*
- 2573 ¹⁰ 3 *Collyrites niger* Inferior Oolite. Broad Windsor, Dorset, Eng. *Wards.*
- 4 *Oristellaria rosula* D'Orb. Up. Bret. *Protozoans*
- 5
- 6
- 7
- 8
- 9
- 1750 ^{10/2083} *Ammonites vancouverensis*, Lias. Prommer. Pres. Carl. Daefflinger
- 1
- 20261 ¹⁰ 2 *recat. Rhyncholites...*
- 2436 ¹⁰ 3 *Pecten antequianus*. Rhetia Alp. Austria. Stady
- 2033 ¹⁰ 4 *Lobites naxos* Mojs. Up. Trias. Sandling, Austria, Steiermark. F. Krantz, Bonn.
- 5 *Bad. Aussee* *Ladiscus tornatus* F. Krantz. Up. Triassic. Austria. *Cephal.*
- 6 *Arceuthobium* Rothelstein, Germany. Triassic. *Cephal.*
- 2030 ¹⁰ 7 *Ptychites flexuosus* Mojs. U. Trias. Schreier Alp, Austria. Krantz, Bonn.
- 2029 ¹⁰ 8 *Tropites sabulatus* Hauer, U. Trias. Hallstadt, Salzburg. Krantz, Bonn.
- 9 *Pteria contorta* Phacel. Triassic. *Pelec.*
- 1760 *Discoid*
- 2102 ¹⁰ X *Encrinurus lituiformis*. Bawersweig. Muschelkalk.
- 2
- 3
- 4
- 5 *Pterophyllum rectum*. Lenz, M. Austria. Triassic. *Plants.*
- 2339 ¹⁰ 6 *Diceras arctina* Lark. Up. Oolite, Yonne, France. W. + Howell.
- 2046 ¹⁰ 7 *Agoceras* (Liparoceras) bechei, Sow. Lower Lias, Lyme Regis, Eng. Wards.

Ludwigia

Baden, S. Germany

1768

2466

2470

2418

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2409

2719

2367

2487

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2016

1780

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2564

2114

2557

2659

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1790

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2044

2057

2035

2376

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1800

2372

2389

Walden. Watlington, Eng. F. Stüritz

Saludina elongata. Lower. Lert. Echinoceras globulos Cret. France or Germany Ward & Howell.

Eozyra conlonii d. bib. Cret. Aupenne, France. Gryphaea reticularis, Lank. Cret. L. Marl. Crosswich Creek, Ward & Howell, N.J. Phosaurus paddle bone, Phosphate beds. Bedfordshire, Eng. Cardium multistriatum Austrois Lampasas Hills, Bell Co., Tex.

Tuebatula biplicata U. Gussard. Cambridge, Eng. Ward & Howell

Belonites giganteus Lias. Wurtemberg. Ward & Howell

Panfella palmipes. U. Gussard. Cambridge, Eng. Ward & Howell

Ostrea congesta. Powers. U. Gussard. Cambridge, Eng. Ward & Howell

Goniopygas durandi U. Gussard. Les Tanarins, Algeria

Heliosceles annulifera Rom. Oppeln, Schlesien Krietz

Toxaster bicordianus Aptien. French. Cret. Echinoid Stüritz

Platycyathus orbigny albion Andina, arriaga

Hildoceras bifrons; Jurassic, upper Lias. Ammonite (2) cut in half, exposing the chambers.

Arietites bisulatus Brug. Lower Lias. Vasinger, Wurtemberg

L. Malm (Oxford). Vilbers, Fr. F. Keantz, Bonn. #152. Kosmoceras Dunkani, Lower Juras, W. Cephal.

Lytoceras finabriatus, Middle Lias. England. Ward & Howell

Myococcha crassa, Lower. L. Oolite, Ste. Payenne near Niort, France

Pterophyllum rectum Triassic Plant

Spirula peronii. Ward's Nat. Sci. Est. Recent (?) Cephal.

Strophalosia Goldfussi. Perm. Brach.

Astarte voltyi Hon. Up. Lias. Milham, Markbech. Krietz, Bonn

Hildoceras bifrons. (BRUGUIERE, 1789) type species Ward & Howell

Ammonites dubius Up. Lias. Esch, Hasone, Dr. Kuenes.

- $\frac{10}{10293}$
 1805 *Streptorhynchus chemungensis*. Powers. Devon. Brach.
 L. Colitz. Hildesheim, Hanover. Ward & Howell.
 $\frac{10}{2383}$ X *Pholadomya transversa* Seebach. Juras. Pelec.
 $\frac{10}{10286}$ X *Athyris angelica*. East Point, Pa. Devon. Brach.
 Chemung. Powers.
 $\frac{10}{2096}$ X *Ammonites complanatus*. Powers. Juras. Ammon.
 L. Colitz. Bayeux, (Calvados) Fr. Ward & Howell.
 $\frac{10}{2381}$ X *Pholadomya obtusa*. Juras. Pelec.
 $\frac{10}{2535}$ X *Rhynchonella subsimilis*. "Echl." " Brach.
 M. Colitz. Chemung. Powers.
 $\frac{10}{2374}$ X *Lima rigida*. Plag. Calc. Brit. Oxford, Eng. Juras. Pelec.
 Trias (St. Cassian). Tyrol, Italy Ward & Howell.
 2 *Spirigera Wismanni*. Mitr. Trias. Brach.
 3 *Meristella*. Hamilton. Cayuga Co. N.Y. Devon. Brach.
 $\frac{10}{2555}$ X *Cidaris clafiji*. U. Colitz. Goslar
 $\frac{10}{2559}$ X *Toxostoma complanatus*, Ag. Neocomian. Yonne, France Kret.
 Oolite. Fougnerollet, Calvados, Fr.
 6 *Opis lunulata*. Jurassic. Pelec.
 Dakota ss. Kas. Col. Snow.
 7 *Populus hyperborea*. Opp. Cret. Plants.
 8
 9
 1820 *Orthoceras campanile austria*. Triassic Cephal.
 M. Colitz. Viel St. Reing, Fr. Ward & Howell.
 $\frac{10}{2430}$ X *Plicatula tubifera*. Juras. Pelec.
 Portland. Sevinston, Wilts, Eng.
 $\frac{10}{2341}$ 2 *Trigonia incurva*. Juras. Pelec.
 3 concretion Dakota Ellsworth Co., Kan.
 4 hypica Dakota Ellsworth Co., Kan.
 5
 (3) 6 wood Cretaceous Bijou Creek, Colo. Powers
 7 wood Cretaceous Ellsworth Co., Kan.
 8
 9 *Batulites Westii*. Cret. Dakota Gr. Cret. Plants
 1830
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 2
 3
 4
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 6
 7
 $\frac{10}{2529}$ X *Terebratula edleri*. Lower Lias. Kindelberg, Bavaria Ward & Howell
 9 *Gingko*? multifactita Heer Wealden Egersdorf, Hanover, Germany
 $\frac{10}{2530}$ X *Anachyte* sp. Cret. (wood) Cretaceous Bijou Creek, Colo.
 1

- $\frac{10}{2678}$
 1842 *Vestimentaria radiatus*. Chalk. Essex, Eng. Ward & Howell.
 3
 $\frac{10}{2450}$ X *Rostellites* ? *Texanus*. Cret. (Wood) El Paso Co., Colo. Powers.
 3-
 $\frac{10}{2497}$ X *Terebratula antiphrata* Jura Vils, Tyrol.
 $\frac{10}{2496}$ X *Terebratula minuscula* Lias. Schwaben.
 8 *Stephanoceras macrocephalum*. Juras. Ammon.
 $\frac{10}{2491}$ X *Terebratula insignis* Schub. Oolite. Nattheim, Württemberg. Ward & Howell.
 $\frac{10}{2346}$ X *Cardium striatulum* Sowb. Inferior Oolite Bradford, Eng. Stüty.
 $\frac{10}{2407}$ X *Hippopodium ponderosum*. Juras. Pelecy.
 2 *Mytilus suspectinatus*. " "
 3
 $\frac{10}{2351}$ X *Urcella mosquensis*. Keys. Juras. Pelecy.
 $\frac{10}{2476}$ X *Pecten comatus* ? U. Kimmeridge. Dr. Kriem. Kaleberg, Hanover.
 6
 7
 8
 $\frac{10}{2693}$ X *Spirifer walcotti*. Ward. L. Lias. Radstock, Somerset, Eng. Juras. Brach.
 $\frac{10}{2522}$ X *Terebratula obovata*, Oolite, Chippenham, Eng.? Powers.
 $\frac{10}{2437}$ X *Cuscuta messneri*. Lias. Hellingen. Stüty.
 2 *Cyrtina Hamiltonensis* Powers. Devonian. Brach.
 3
 4
 $\frac{10}{2092}$ X *Platanorites sericens* (Sov.) Ord. Cincinnati gr. Cincinnati. O. Ward & Howell.
 $\frac{10}{2528}$ X *Terebratula obovata*, Sov. L. Oolite. Chippenham, Eng. Ward & Howell.
 $\frac{10}{2545}$ X *Rhynchonella vilsensis* Oppel. Jura, Vils, Tyrol.
 $\frac{10}{2574}$ X *Arca oblonga* Bojocien, Sully, M. Jura. Juras. Pelecy.
 $\frac{10}{2687}$ X *Trochus duplicatus* France. Juras. Gaster.
 $\frac{10}{294}$ X *Natica calypso* Halloway's Rock. Cret. Gaster.
 1
 2
 $\frac{10}{211}$ X *Cincinnati*. Cincinnati Ohio. Cull.
 3 *Cincinnati*. Order. H. C. Powers. Brach.
 4 *Spirifer cameratus*. Blackadder Penn. Brach.
 $\frac{10}{2471}$ X *Arcula digitata*. Deslongch. U. brit. Pelecy.
 6
 7 *Palaeonilo plana* H. Powers. Devon. Pelecy.
 $\frac{10}{2472}$ X *Rhynchonella contracta*. Powers. Devon. Brach.

- ⁰
²³⁶⁹
 1879 *Panopaea jurassi* Juras. Pelecy.
 L. Solite. Bayeux, Calvados, France.
 1880 *Astarte modiolaris* Ward & Howell. Juras. Pelecy.
 Hamilton. Scherrestus, N. Y.
 1 *Bellerophon crenistriata* H. Powers. Devon. Gastrop.
 Hamilton. Carlisle, N. Y.
 2 *Murex lirata* Con. Powers. Devon. Pelecy.
 W. H. Henss. Cambridge, Mass. *encrinurus* for. coll.
 3 *Monticulipora Dawsoni* Richmond. H. C. Powers. Brgs.
 up. Eocene. Cambridge, Mass. Ward & Howell.
⁰
 2104 *Palaeorystes stokesii* V. Bret.
 3 *Rhynchonella spathica* Lam. Juras. Brach.
 Fox Hill Gr. (Custer County, Mont. Ward's Nat. Sci. Est.
⁰
 2467 *Jurinus contortus* Lam. M. & H. Up. bret. Gastrop.
 7 *Hybodus* Bebenhausen. Ward & Howell. Trias. Amphib.
 Solite. Pizieux, Sarthe, France. Ward & Howell.
⁰
 2530 *Terebratula saemanni* Desl. Juras. Brach.
⁰
 2364 *Jurina quadrata* Up. Chalk. La Motte, France. Ward & Howell.
 1879 *Eozoa notheroniana* Cret. Sanpos Hills, Tex. Ward & Howell.
 Senonian. Maestricht, Holland.
⁰
 2111 *Thecidium hieroglyphicum* Goldf. Up. bret. Brach.
 L. Marl Beds. (Cretaceous) Crosswick Creek, N. Jersey. Col. Don. &
⁰
 2412 *Ostrea larva* Fawcett. Up. bret. Pelecy.
 Weymouth, Eng. Ward & Howell.
⁰
 2725 *Lepidotus* (Scalis) Kemmeridge Clay, (Solite) Juras. Fishes.
 Senonian. Maestricht, Nederland. F. Brantz, Bonn (26)
 4 *Calcarina calitrapoides* Desl. U. bret. Protog.
 Santander, Spain. F. Brantz, Bonn. (1871)
⁰
 2533 *Terebratulina* Desl. L. bret. Brach.
 Bathonian, Luc sur mer. F. Brantz, Bonn. (1896)
⁰
 2473 *Ornatobona* Desl. U. bret. "
 7
 8
 9 *Lucania Buelli* Beloit & Trent. Ordov. Gastrop.
 W. Acad. Sci. Trenton. D. Ormiste H. C. Powers
 1879 *Barrothea attenuata* M. Ordov. Beloit, Wis. Ordov. coll. abo. 1835
 1 *Calymene senaria* unknown Ordov. Tril.
 Solite. St. Aubin, Fr. Ward & Howell.
⁰
 2340 *Pholadomya murchisoni* Triguera, Juras. Pelecy.
 L. Solite. Ward & Howell.
⁰
 10263 *Melocrinus typus*, Brown. L. Dev. Eifel, Prussia. Devon. Brinoid.
 Lurg, Yonne, Fr. Ward & Howell.
 4 *Picatula placuna* Lank. Bret. ma. Pelecy.
 Low. Neocomian. Auzerre, Fr. Ward & Howell.
⁰
 2490 *Terebratula sinistrata* Desl. Low. bret. b.
 St. Louis Gr. Spargen Hill, Ind. Ward's Nat. Sci. Est.
 6 *Batocrinus icosidactylus* Cass. Miss. b.
 7 *Rhynchonella varians* Juras. 1858
 Solite. Voegelsheim, Baden. Ward & Howell.
 8 *Ammonites viricostatus* Powers. Juras. 4m
 Lias B. Frommern, Germ.
⁰
 2090 *Lias, Banz Oberfranken*
 910 *Ammonites costatus* Schloth Juras. Ann.
 1
 2 *Syringopora verticillata* Bill. Silur. Wis. Acad. Sci.
 Niagara. Wauwataosa, Wis. Col. E. B. Blackwelder. Bridge 1 mi. So. of Burlington, Pa.
 3 *Spirifer plenus* Burlington Ls. Sect. 1 - 1 Miss. Brach.
 Burlington, Pa. Col. E. B. Blackwelder. Sect. 1/6 - 4 Mid.
 4 *Spirifer* Burlington Ls. Whittakers Quarry.
 5 *Ichthyosaurus* Ward & Howell. Juras. Reptil.
 Lias. Lyme Regis, Eng.

- 1916 *Whittaker's Quarry. Bur., Va. Col. E. Blackwelder.*
 7 *Burlington Ls. Whittaker's Quarry. Burlington, Va. Col. E. Blackwelder.*
 8 *Platycrinus. Burlington, Va. Col. E. Blackwelder. Sect. 1/5 - 4. Mid.*
 9 *Whittaker's Quarry. Bur., Va. Col. E. Blackwelder.*
 920 *Rhipidomella. Bur. Ls. Col. E. Blackwelder. Sect. 1/5 - 4. Mid.*
 1 *Whittaker's Quarry. Burlington, Va. Col. E. Blackwelder. Sect. 1/5 - 10 Top.*
 2 *Whittaker's Quarry. Burlington, Va. Col. E. Blackwelder. Sect. 1/5 - 10 Top.*
 3 *Whittaker's Quarry. Burlington, Va. Sect. 1/5 - 10.*
 4 *Burlington Ls. Col. E. Blackwelder. Sect. 1/5 - 4. Mid.*
 5 *Whittaker's Quarry. Burlington, Va. Col. E. Blackwelder. Sect. 1/5 - 10 Top.*
 6
 7 *Whittaker's Quarry. Sect. 1/5 - 10.*
 8 *Burl. Ls. Whittaker's Quarry. Burlington, Va. Col. E. Blackwelder.*
 9 *Burlington Ls. Bridge 1 mi. So. of Burlington, Va. Col. E. Blackwelder. Sect. 1/5 - 10 Top.*
 930 *Productus burlingtonensis. Sect. 1/5 - 1. Miss.*
 1 *Whittaker's Quarry, Burlington, Va. Sect. 1/5 - 4. Mid.*
 2064 *Burlington Limestone. Col. E. Blackwelder.*
 1 *Burl. Ls. Whittaker's Quarry. Burlington, Va. Col. E. Blackwelder. Sect. 1/5 - 10 Top.*
 2 *Tropaeus minutus, Neocomian. Hildesheim, Germany.*
 3 *Lower Jurassic, Toarcian. Whitby, England*
 4 *Dactyloceras cornuforme (SOWERBY). Jurass. Cephal.*
 2447 *Pleuronotaria multistriata Richter. Lias. Kirdheim, Württemberg.*
 2071 *Cassioceras Comptoni. Oxford clay. Christian Malford, Eng.*
 7 *Strigoceras truellei (D'ORBIGNY, 1845) type species. Mid-Jurassic, Bajocian. England. Source: WARD's Nat. Sci. Est., Rochester, N.Y. Ward & Howell.*
 2086 *Ammonites cordatus. M. Solite. Vail St. Remy, France.*
 2386 *Trochus duplicatus Sow. L. Oolite, Bayeux, France.*
 2099 *Ammonites colubrius Rein. White Jura. Kockgebirge.*
 452 *Chonetes. L. Kinneridge. Kalleberg near Eicht, Hanover. Ward & Howell.*
 2574 *Pygostes semisulcatus L. Oolite. Crickley Hill, Eng.*
 2687 *Goniatites geometrica. U. Jur. Malm, Tritow near Lammern, Germany.*
 194 *Ammonites bifrons. Lias. Whitby, Eng. Ward & Howell.*
 120 *Echinobius clunularis. Cretaceous, Bathonian; France.*
 6
 2113 *Pedina sp. Jurassic. France. Granden. Pöfelfstein. Col. W. H. Hobbs.*
 8 *Stephanoceras macrocephalum. Jurassic. Ammonoids.*
 2419 *Aptychus. Jura. Solenhofen. Ward & Howell.*
 195 *Perisphinctes. Solite, Bayeux, France. Ward & Howell.*
 2560 *Conachypus considens Ag. U. Chalk. Gabel-Sheikh-Herod, Egypt.*
 2566 *Holaster elegans Cret. Smith's Branch near Salado, Tex.*

1953

4

^(Wood) ^{Cretaceous} ^{Powers}
~~Espeyfeld, Westphalia. Ward & Howell.~~
~~Callopychium agaricoides. Cret.~~ ^{Sponges} ^{Corals.}

6

7

¹⁰
20276

8 *Periaster obesus* Grobkalk (Eocene) Cairo, Egypt.

9

^{Senonian. Ain Denta Algeria, Africa.}
Hemipneustes africanus. Upper Cretac. Echinoid

¹⁰
2565
1960

Holaster subglobosus U. Greenard. Rouen, France Ward & Howell

1

Pentacrinus tuberculatus. Jurassic. Crinoids

¹⁰
20286

2 *Trochasmilia incisa* Da. Eocene. (Volcanic Tuff), Sangonini Italy

¹⁰
2570

3 *Cyphosoma texana* Cret. Lampazos Co., Tex. Ward & Howell

4

D 5

————— cut —————

6

7

8

¹⁰
2018

9 *Belemnites digitalis.* Lias. Germany H.C. Powers

¹⁰
2420
1970

^{Wragg!} *Peregrinella (Peregrinella) multicaudata* (LAMARCK, 1819) type species
Lower Cretaceous. Europe or California

¹⁰
2571

X *Microstra coranguinum* Turonia Dresden, Saxony, Germany

¹⁰
2558

2 *Toxaster texana*, Cret., Lampazos Co., Tex. Ward.

3

4

5

¹⁰
2011

6 *Belemnites papillosus* Sill. Lias. Heiningen, Wurttemberg. Ward & Howell

¹⁰
2353

7 *Spondylus spinosus*, Senonian, Heindorf, Bohemia. Sill.

¹⁰
2342

8 *Perna approximata* Maestricht Beds, Maestricht, Holland. Sill.

¹⁰
2498

9 *Terebratula walcensis* Cretaceous, Texas. Powers.

1980

1

Cucullaea glabra Gault. Polfstone, Eng. Cret. ^{Paleonopod}

¹⁰
2022

2 *Belemnoscutus* with ink bag + booklets. Lias. Lyme Regis, Eng.

Discarded

¹⁰
2019

4 *Belemnites* Upper Lias Swabia. Don. Dr. Krenn.

5

Belemnites absolutus Oolite. ^{Muscovy, Russia.} Juras. Cephal

¹⁰
2358

6 *Mytilus* Up. greensand Cambridge, Eng. Ward & Howell.

7

8

^{Ulrich} *Amplexopora winchelli.* ^{Dreton limestone} ^{Powers.} Ordov. ^{Waco} Bryoz.

9

Word + Howell.

- ^{LO}
²⁷²¹
 1990 *Lepidodus giganteus* Oolite Schnaitheim, Wittenberg
^{LO}
 2003 + *Belemites mylonis* Sublot. Lias. Baus Oberfranken
 2 *Streptelasma corniculatum*, Ord. "Upper Blue Beds", Southern Wyo.
 3 Interior shell replaced by a single calcite crystal.
^{LO}
 2027 4 *Nautilus*? Unknown. U. Cret. Nautiloids
 5
 6
^{LO}
 2041 7 *Chaeta* sp., Cal. Wards Nat. Sci. Est.
^{LO}
 2015 8 *Lytoceras hoffmannii* Gabb. L. Cret. Annon.
 9 *Belemites papilio* M. Lias. Heidingen Don. Dr. Klemens.
 9 *Rhynchotreta cuneata*. Niagara. Waldron, Ind. Silur. Powers. Brach.
 2000 *Favosites favosus*. 26th St. Milwaukee, Wis. Col. H.C. Powers. Corals.
 1 *Kornelia Leonhardi* Mi. Trias. Pelec.
 2 *Rhynchonella rimosa* Juras. Brach.
 3 *Rhynchonella whitei*. Niagara. Waldron, Ind. Silur. Powers. Brach.
^{LO}
 2089 4 *Ammonites Comptos*. Lias. Altdorf, Switz. Pen. C. Doolinger
 5 *Chonetes Smithi*. Coal. Danville, Ill. Col. Kerton Coll. Penn. Brach.
 6
 7
 8 *Strenelia snowi*. Dakota ss. Elsworth Co. Kas. U. Cret. Angios.
 9 *Murchisonia multigrama* Ch. O. O. Col. T.C. Chamberlain. Gastrop.
 2010 *Stems of Crinoids*. Niagara. Racine beds. Silur. Crinoids.
 1 *Archaeocidaris rossica*. Trautenberg, Var. laevi's. L. Carbon. Moskow, Russia. Col. F. Krantz. Echinoids.
 2 *Dorycrinus mississippiensis* Hall. Miss. Crinoids.
 3 *Perrinitzja elongata*. Westport Ls. Westport, Pa. Coal. Danville, Ill. Col. F. & M. Col. Kerton. Gastrop.
 4 *Perrinitzja*. Wards Nat. Sci. Est. Penn. Pelec.
 5 *Nucula beyrichi*. Zera, Saxony. Ward & Howell. Penn. Pelec.
 6 *Leda speluncaria*. Zera, Saxony. Ward & Howell. Penn. Corals.
 7 *Hadrophylum*. Wards & Howell. Niagara. Waldron, Ind. Silur. Powers. Brach.
 8 *Rhynchonella neglecta*. (St. Cassian) Tyrol, Italy. Rep. Zittel I. 398. Trias. Pelec.
 9 *Paleocardita crenata*. Carb. Ottumwa, Ill. Powers. Penn. Brach.
 2020 *Pugnax Ottumwensis*. Carbon. Zourenay, Belgium. Carb. Und. Gastrop.
 1 *Perrinitzja elongata*. Col. F. Krantz. Senonian. La Fochiere (France?) Col. B. Stutz. U. Cret. Corals.
 2 *Veratobrochus epignus* de From. Hudson Co. Corp. Road, Iowa. U. Cret. Brach.
 3 *Dalmanella testudinaria* H. Ordov. Powers. Brach.
 4 *Onopodaga* Ls. Columbus, Ohio. Col. C.H. Green. Blastoid.
 5 *Podaster pyramidatus*. Devon.
 6 *Bellerophon*. Penn.
 7 *Cornulites proprius*. Waldron, Ind. Col. H.C. Powers. Silur. Corals.
 8 *Bellerophon helena*. Hamilton. Georgetown, N.Y. Powers. Devon. Gastrop.

Niagara Group. Waldron, Ind. Wald's Nat. Sci. Estb.

- 2027 *Dumarella borealis*. Nich. Silur. Ptero.
 2028 *Eocene. Sangonini, Italy.* Eocene. Borals
 9 *Trochocyathus aequicostatus*, Schay. Penn. Brach
 10 *Chonetes smithi*, ^{Wald's Nat. Sci. Estb.} Cincinnati ^{W.C. Powers} Gast.
 2030 *Cyrtolites Dyeri*, Oxford, Ohio. Ordov. ^{W.C. Powers}
 1 *Chonetes mesolepis*, ^{Cockerton coll.} Danville, Ill. Penn. Brach.
 2 *Arca striata*, ^{Ward & Howell.} Lutzschthal, nr. Gera, Saxony. Perm. Peley.
 3 *Fusulina cylindrica*, ^{Manhattan, Kas.} Powers. Penn. Protos.
 4 *Petzia mormon*, ^{Carbon. Ruby Valley, Nev. Ref. - Mo. & S. V. pl. 41.} Wald's Nat. Sci. Estb. Penn. Brach.
 5 *Peracurus pleurexanthemus*, ^{Trenton} Ordov. Henry. Tril.
 6 *Proetus elegantulus* Angelin. Silur. Tril.
 7 *Talarocrinus simplex*, ^{W. H. Schuchert, Jr. & J. S. Sowerby, Jr.} Cham. Miss. Crinoid.
 8 *Megerleia pichmouloides*, ^{Coralrag. Muggendorf, Bavaria.} Schlott. U. Brit. Brach.
 2040 *Ammonites annulatus*, ^{Lias. Whitby, Eng.} Powers. Juras. Common.
 1 *Waldheimia umbonella*, ^{Golite. Calais, France. Ward & Howell.} Juras. Brach.
 2 *Spirifer pennata*, ^{Cincinnati Group} ^{Ward & Howell.} Ordov. ^{W.C. Powers} Brach.
 3 *Peracurus pleurexanthemus*, ^{(From S. Calvin) Iowa?} ^{Cincinnati, Ohio} Ordov. ^{W.C. Powers} Tril.
 4 *Homotrypa*, sp. Ordov. ^{W.C. Powers} Bryoz.
 5 *Orthoceras*, ^{Hudson R. Cincinnati O.} Ordov. ^{W.C. Powers} Bryoz.
 6 *Constellaria ortheloides*, ^{Coal. Danville, Ill.} Penn. Cephal.
 7 *Glyptocrinus decadactylus*, ^{Cincinnati Group} ^{Cincinnati, Ohio} Ordov. ^{Ward & Howell} Brinoids
 8 *Eichwaldia reticulata*, ^{Niagara. Waldron, Ind.} Silur. ^{Powers.} Brach.
 9 *Solenisus brevis*, ^{Coal. Danville, Ill. Ref. - M. S. Nat. Mus. VI pl. 8.} Penn. Gastrop.
 10 *Rhynchonella dentata*, ^{Hall. Cincinnati Group} ^{Ward & Howell} Ordov. ^{W.C. Powers} Brach.
 11 *Bellerophon Saffordii*, ^{Richmond 2} Ordov. ^{W.C. Powers} Gastrop.
 12 *Bellerophon carbonarius*, ^{Coal. Danville, Ill. Cockerton coll. Ref. - Mo. & S. V. pl. 50.} Penn. Gastrop.
 13 *Ungulularia cinomana*, ^{Tripl. Chalk. Le Mans, France.} Up. Brit. Borals
 14 *Fish scales*, ^{Coal. Danville, Ill.} Penn. Fishes
 15 *Eugeniocrinus caryophyllatus*, ^{L. Malin, Locken, Wurttemberg. Col. F. Krantz.} ^{Waldron, Ind.} Silur. ^{Powers.} Brinoid
 16 *Rhynchonella indianensis*, ^{Niagara.} Silur. Brach.
 17 *Peltostes wrightii*, ^{Forington, Eng.} J. Jansard. Stutz

Cincinnati, Ohio. Powers.

2064 *Tellinomya elevata* Ohio Ordov. Pelecy.
 5 *Pentameris pygmaea* 21. Miss. Miss. Blairfold.

6

7

8

9

Derbya Ward's Nat. Sci. Est. Sub-carb. West. City, Mo. Miss. Brach. (805)

2070 *Ctenodonta* Hudson R. Shales, N.Y. Acad. Sci. Ordov. Pelecy.

1 *Ctenodonta fecunda* Cincinnati, Ohio, Lafayette Co. Ordov. Pelecypods.

2

3

10

2091 4 *Ammonites gibbosus* Schloth. Jias. Whittenburg, Germany. Hall, Miss. Mont. J. Hall.

5 *Tellinomya levata* Ordov. Pelecy.

2532 6 *Turhatella luvata* Schloth. White Jura. Muggendorf.

2616 8 *Acroscelia hemiscidaroides*, Cornbrash, Wiltshire, England.

2668 8 *Platygaster tegumen*. Seronion, Le Beusset. Stint.

9 *Derbya*. Miss. Brach.

2080 *Dubulites* Ord. Beloit, Wyo. Dast.

1 *Actinocrinus*. Ward's Nat. Sci. Est. Sub-carb. West. City, Mo. Miss. Crinoids

2

3 *Dentalium gracile* Ham. U. Carb. Scaphopods.

4 *Baculites ovalis* Pierre Fort. (N. So. Dakota?) Ward's Nat. Sci. Est. V. Cret. Ammonoid

5 *Agaricocrinus wartheni* Hall. Miss. Crinoids

6 *Bilobites vanca*. L. Helderberg. Catkill Creek, Greene Co., N.Y. Ward's Nat. Sci. Est. Silur. Brach.

7

8 *Clathrospira subconica* Ord. Mineral Point Henry Coll.

9

2090 *Sinuospora* *Eschschatus Strongi*, L. Mag. Mineral Pt. Wyo.

1 *Orthoceras junceum*. Trenton Limestone, Ordovician. Beloit, Wyo.

2 *Stictopora fidelis*. Ulrich Trenton Limestone call. Powers

3 *Lophospira* Linn Lakes, Wyo. " W. Acad. Sci.

4

5 *Hamulina gracile* Ord. Beloit, Wyo. H.C. Powers.

6

7

8

9

2100

Ord. Beloit, Wyo. H.C. Powers

2101 ^{Niagara Ls. Waldron, Ind. Coll. Guntex.}
 2 *Dalmanella elegantula*. Silurian. Brach.

3 *Ptychaspis*. Camb. Tril.
 4 *Zygospira modesta*. Cincinnati. Ordov. Brach.

5
 6 *Ceraurus pleuxeranthemus* Turton dol. Hazel Green, Wis.

7
 8 *Bumastus trentoniensis*

9

2110 *Loxichus* Basal Valena. Dev. Wis. (Hazel Green?)

1 *Ceraurus pleuxeranthemus* Hazel Green Wis.
 2 *Pterygomelopus boraceus* Call. E. B. Ordov. Tril.

3
 4 *Homotoma gracilis* Balait Wis.

5 *Ornospira latreincta*

6

7

8

2120 *Trochonema*. Ord. Mineral Point, Wis. Henry Coll.

21 *Eotomaria* Ord. Mineral Point, Wis.

22 " Roscoe, Ill. Dast

23

24 Ord. Beloit, Wis. Dast.

25 " " " Powers

26 " " " "

27 *Platystrophia* Dast

28

10065 29 *Crania* - hygrozoans on *Rafinesquina attenuata*, Ord. Richmond, Cincinnati dist.

30 disposed 12/6/34
 1
 2
 3 *Eotomaria* Ord. Beloit, Wis. Dast.
 4 *Clathrospira subconica* " " " "
 5
 6 *Dizygocrinus rotundus* Burlington Co. Burlington Co. Miss. Quinoid
 7 Silur. Tril

Only part of the shell preserved and the dislodged siphuncle same preservation as in specimen 12, figured in Plate 8, 'Geology of Wisc.', 4 vol. edition

2138

Neokuk Ls.

9

Agaricocrinus elegans

Miss

Emond.

2140

Dalmanites Platycardalus Niagara (set) Silur. Tril.

2141

2

Buthotrephus sp. undet. Trenton limestone Miss. ^{acidic} Ordov. ^{Plants}

3

Homotrypa Minnesotensis Wis. Ordov. ^{Powers} Bryoz.

4

Cornulites? ^{Tubus gen.} undet. ^{Halena} Ordov. ^{set} ^{ermes}

5

Straight cephalopod probably from the M. Ordov. of Wisconsin

6

7

8

9

2150

Pantelia liliana Trenton limestone call. Hall ^{pl. m.} Ordov. ^{Bryoz.}THE UNIVERSITY OF WISCONSIN
DEPARTMENT OF GEOLOGY

NO. 2155

Gonioceras occidentale

HORIZON Trenton Limestone (Ord.)

LOCALITY Beloit, Wis.

COLLECTOR H.C. Powers.

ician? Wisconsin?

Loc. = Carboniferous!

Beloit, Wis.?)

^{Powers} ^{Ordov.} ^{Cephalopod} ^{Ordov. Co.} ^{Wis. Acad. Sci.} ^{Ordov.} ^{Bryoz.} ^{ician, Trenton} ^{Wisconsin. Source: H.C. POWERS, 1889} ^{Powers} ^{Call}

0

9

Gyrogonia sp. und. Beloit It is Ordov. ^{Bryoz} 166

2160

1981

Ctenodonta hatschekensis Safford. ^{Powers Coll. Ex. C. Schubert} ^{Trenton. Danville, Ky.}

2

3

4

5

Platystrophia form. Cephalopod

6

7

8

9

Chaetetes petropolitanus ^{Pand Trenton limestone} ^{Secora} Ord. (64) ^{Bryoz.}

2170

Chaetetes discoides Ord. ^{Bryoz.}

2

Chaetetes ^{Beloit Wis. Danville}

2

Chaetetes ^{Hudson}

2138
9 *Agonoceras elegans* ^{Neokuk Ls.} ^{Lemont, Ill.} ^{Miss} ^{ermord.}
2140 *Dalmanites Platycardalus* ^{new cat. no. 1425} ^{Niagara (Sil)} ^{Silur.} ^{Tril.}

2141
2 *Buthotrephus* ^{undet. Trenton limestone} ^{Belair} ^{Wis} ^{Ordov.} ^{Plants}
3 *Homotrypa* ^{Belair} ^{Wis} ^{Ordov.} ^{Bryoz.}
Ordov. Belair
e M. Ordovic. of Wisconsin

Ordov. Bryoz.

253
2 *Spyroceras* ^(Cycloceras) ^{olorum (HALL)} ^{Middle Ordovician?} ^{Wisconsin?} ^{Ceph.}
3 *Actinoceras beloitense* ^{WHITFIELD} ^{Genus Spyroceras is a Devonian genus!} ^{Cycloc. = Carboniferous!}
Middle Ordovician, Platteville Formation. (Beloit, Wis.?)

2154
5 *Goniceras occidentales* ^{Trenton (Ord)} ^{Belair} ^{Wis} ^{Ordov.} ^{Powers} ^{Cephalopod}
6 *Chaetetes* ^{new + undet. Platteville} ^{Ordov.} ^{Bryoz.}
7 *Tripteroceras planoconvexum* ^(HALL, 1861) ^{Belair, Wisconsin} ^{Source: H.C. POWERS, 1889}
8 *Phylodictya* ^{sp. und. Belair} ^{Wis} ^{Ordov.} ^{Bryoz.}

2160
1981 *Ctenodonta hartsvillensis* ^{Safford} ^{Trenton} ^{Danville, Ky.}

Ord. Belair, Wis. Lamella

5 *Platteville Form. Cephalopod*

9 *Chaetetes petropolitanus* ^{Pand Trenton limestone} ^{Ord. (64)} ^{Bryoz.}

2170
1 *Chaetetes discoides* ^{Ord.} ^{Bryoz.}

Belair Wis. Lamella

2 *Long Cephalopod* ^{Platteville}

2174

5 "Cycloceras" ^{is "spyroceras" Devonian genus!} *lesueuri* (CLARKE) ^{Trenton limestone (ord.)} Ord. Cephal.

6

7 "Cycloceras" ^{is "spyroceras" Devonian genus!} *lesueuri* (CLARKE) Ordovician Cephal.

8

Ord. Waterloo, W. Lamech

9

2180

Tellinomya ephigenia. ^{Janesville, Wis. Trenton} Ordov. ^{Belait, Wis. also} Pelecypods

1

2 *Ctenodonta* sp.

Ord. (Platteville Fm.?) Lamech

3

4

5

6

7

8

LD 10138

9 *Modiolopsis orthonata*. Ordov. Pelecyp.

2190

1 *Pachydictya occidentalis*. ^{Ulrich Trenton limestone} Ordov. ^{Belait, Wis.} Bryoz.

2

3 *Dakosaurus maximus*. ^{Malm. Schwaithaus, term. Quenst J. M. Clements coll.} Jurassic. Reptiles.

4

5 *Ceramophylla frondosa*. ^{Trenton limestone St. Paul. Minn.} Ordov. ^{call. Powers} Bryoz.

6

6 *Halysites catenulatus*. Ordov. Coel.

7

7 *Catopterus fulvus*. ^{Ischyrus. Cultus. Durham, Conn. & Ct. Newark, N. Jersey} Triassic. Fishes

8

8 *Pachydictya foliata*. ^{Ulrich Trenton limestone} Ordov. ^{Hall} Bryoz.

9

9 *Pachydictya*. ^{Ulrich Trenton limestone} Ordov. ^{Hall} Bryoz.

2200

1 *Batostoma irrasa*. ^{Ulrich Trenton limestone} Ordov. ^{call. H. C. Powers} Bryoz.

2

2 *Chaetetes*. ^{new + undet. sp. Galena. Oshkosh. Wis. Acad. Sci.} Ordov. ^{call. C. G. Hall} Bryoz.

3

3 *Stomatoporella inflata*. ^{Cannon Falls. Minn.} Ordov. ^{Hall} Bryoz.

4

4 *Waldheimia numismalis*. ^{(Lias.) Langenbrücken bei Oettingen, W. Germany. H. C. Clements coll. Light. Baden, Germany.} Jurassic. Trach.

5

5 *Lima gibbosa*. ^{Sour. Sully, Bayeux, France.} Jurassic. Gaster.

6

6 *Chaetetes lycoperdon*. ^{(young) Nicholson Trenton limestone} Ordov. ^{H. C. Powers} Bryoz.

7

7 *Monotrypa undulata*. ^{Belait, Wis.} Ordovician. Bryoz.

8

8 *Chaetetes lycoperdon*. ^{Galena Remicks Quarry Lafayette Co.} Ordovician. Bryoz.

9

9 *Prasopora contigua*. ^{St. Paul Minn.} Ordov. ^{call. C. G. Hall} Bryoz.

Disposed 12/6/34

Ontario, Canada

Powers, Coll

2210. *Pasceolus globosus* Trenton Ls. Rochester, Ill. *Trident* *Ordov.* *Powers, Coll*
 10
 2469. + *Malica macrostoma* Delafield Wis. Hudson R. *Ordov.* *Powers, Coll*
 2 *Chaetetes* No II undet. var. shale. *Ordov.* *Powers, Coll*
 3 *Chaetetes ramosus* Delafield *Ordov.* *Powers, Coll*
 10
 1019 4 *Monotrypella quadrata* Cincinnati Gr. Oxford Ohio *Ordov.* *Powers, Coll*
 5 *Monticulipora* *Ordov.* *Powers, Coll*
 6 *Chaetetes Jamesi* Cincinnati, O. *Ordov.* *Powers, Coll*
 7 *Stictoporella rubrosa* Minn. *Ordov.* *Powers, Coll*
 8 No label *Ordov.* *Powers, Coll*
 9 *Chaetetes* Trenton limestone. Smith's Quarry. *Ordov.* *Powers, Coll*
 2220 *Monticulipora rectangularis* Cincinnati Gr. Delafield Wis. *Ordov.* *Powers, Coll*
 1 *Monticulipora clavacordea* *Ordov.* *Powers, Coll*
 10
 10031 2 *Monticulipora newberryi* Nich. *Ordov.* *Powers, Coll*
 3 *Monticulipora rectangularis* Hudson River shale. *Ordov.* *Powers, Coll*
 4 *Stictopora fragilis* Delafield Wis. *Ordov.* *Powers, Coll*
 5 *Stellipora antheloides* Ohio *Ordov.* *Powers, Coll*
 10
 10022 6 *Monotrypa clavacordea* *Ordov.* *Powers, Coll*
 7 *Cladopora* ? Reading O. *Ordov.* *Powers, Coll*
 8 *Fistulipora lens* White Wis. *Ordov.* *Powers, Coll*
 9 *Monticulipora punctata* Cincinnati Gr. Delafield Wis. *Ordov.* *Powers, Coll*
 2230 *Chaetetes Jamesi* Hudson R. shale. *Ordov.* *Powers, Coll*
 1 *Pasceolus claudii* Hudson R. shale. *Ordov.* *Powers, Coll*
 2 *Chaetetes fusiformis* Wis. Acad. Sci. (702) *Ordov.* *Powers, Coll*
 3 *Monticulipora filiosa* Ohio *Ordov.* *Powers, Coll*
 4 *Monticulipora* *Ordov.* *Powers, Coll*
 5 *Chaetetes fusiformis* Wis. Acad. Sci. *Ordov.* *Powers, Coll*
 10
 10043 6 *Phylodictya hilli* Dayton Co. Ky. *Ordov.* *Powers, Coll*
 7 *Monticulipora approximata* Lebanon, Ohio *Ordov.* *Powers, Coll*
 8 *Chaetetes approximatus* Hudson River shale. Reading Ohio *Ordov.* *Powers, Coll*
 10
 10049 9 *Heterotrypa canpili* Cincinnati Gr. Ohio *Ordov.* *Powers, Coll*
 10
 10024 2240 *Fistulipora solidissima* Nich. *Ordov.* *Powers, Coll*
 10
 10046 1 *Leptotrypa ornata* Vtr. *Ordov.* *Powers, Coll*
 10
 10015 2 *Monticulipora punctata* Hudson R. Sh. *Ordov.* *Powers, Coll*
 3 *Fistulipora lens* Richmond. Delafield, Wis. *Ordov.* *Powers, Coll*
 4 *Alveolites* n. sp. *Ordov.* *Powers, Coll*
 5 *Chaetetes Jamesi* Nich. *Ordov.* *Powers, Coll*
 Hudson Sh. Delafield, Wis. Wis. Acad. Sci. (137a) *Ordov.* *Powers, Coll*
 Hudson Sh. Delafield, Wis. Wis. Acad. Sci. (121)

- 2246 *Monticulipora subpulchella*. Ordov. Bryoz.
Cinn. Gr. Wilmington, Ill. Coll. A.H. Howk.
- 2247 *Monticulipora mammillatus*. Nich. Ordov. Bryoz.
Cinn. Gr. Cinn., Ohio. Coll. H.C. Powers.
- 2248 No Label. Ordov. Bryoz.
- 2249
- 2250 *Amplexopora septosa*. Vl. Ordov. Bryoz.
Hudson R. Cinn. Ohio. Coll. H.C. Powers. (950).
- 10039 1 *Lekaya appressa* Ordov. Bryoz.
Cinn. Gr. Cinn., Ohio. Coll. C. W. Hall (839.)
- 2 *Chaetetes*. new under sp. Ordov. Bryoz.
Hudson R. Sh. Delafield, Wis. Wis. Acad. Sci. (132)
- 3 *Trematopora granulata*. White. Ordov. Bryoz.
Cinn. Gr. Delafield, Wis. Wis. Acad. Sci. (703)
- 10025 4 *Homotrypa curvata* Ordov. Bryoz.
Cinn. Gr. Ohio. Coll. H.C. Powers.
- 10008 5 *Balosoma imbricata*. Nich. Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers.
- 10038 6 *Lekayella obscura* Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers (875)
- 7 *Paleochara* n. sp. Ordov. Bryoz.
Cinn. Gr. Delafield, Wis. Wis. Acad. Sci. (194)
- 10013 8 *Callopora subplana*. Vl. Ordov. Bryoz.
Cinn. Ohio. Coll. H.C. Powers.
- 9 *Trematopora granulosa*. Ordov. Bryoz.
Hudson R. Sh. Delafield, Wis. Wis. Acad. Sci. (892)
- 10034 10 *Monticulipora cincinnatensis*. Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. (121)
- 10047 11 *Chaetetes rugosa*. Ordov. Bryoz.
Hudson R. Sh. Hamilton, Ohio. Coll. H.C. Powers. (31)
- 10021 12 *Monotrypa irregularis* Ordov. Bryoz.
Hudson R. Sh. Hamilton, Ohio. Coll. H.C. Powers. (850)
- 10042 13 *Ptylodictia falcatiformis*. Ordov. Bryoz.
Cinn. Gr. Ohio. Coll. H.C. Powers.
- 10055 14 *Rhynchonella dentata*. Ordov. Brach.
Cinn. Gr. Ohio. Coll. H.C. Powers.
- 10048 15 *Chaetetes subpulchellus*. Nich. Ordov. Bryoz.
Cinn. Gr. Oxford, Ohio. Trenton limestone
- 16 *Phomona*. Beloit, Wis. Ordov. Brach. (230)
- Phomona incrassata*. Richmond, Delafield, Wis. Ordov. Brach. (230)
- Stella granulosa*. Richmond, Delafield, Wis. Ordov. Bryoz.
- 100 17 *Monticulipora crustulata*. Ordov. Bryoz.
Ohio. Coll. H.C. Powers.
- 18 *Phomona incrassata*. Trenton limestone. Ordov. Brach. (222)
- 19 *Phomona*. Beloit, Wis. Ordov. Brach.
- 20 *Rhynchonella*? Sp. und. Trenton Ls. Ordov. Brach.
- 21 *Phomona*. Trenton limestone. Ordov. Brach.
- 22 *Rhynchonella perlamellosa*. Delafield, Wis. Ordov. Brach. (240)
- 23 *Rhynchonella perlamellosa*. Hudson R. Shale. Ordov. Brach.
- 24 *Rhynchonella*. Hudson River shale. Ordov. Brach.
- 25 *Rhynchonella*. Reading, Ohio. Ordov. Brach.
- 26 *Rhynchonella*. Ordov. Brach.
- 27 *Rebertella insculpta*. Ordov. Brach.
Hudson R. Sh. Cinn. Ohio. Coll. H.C. Powers. (879)
- 28 *Zygospira modesta*. Vl. Ordov. Brach.
Hudson River shale Cinn., Ohio. Coll. H.C. Powers.
- 29 *Rhynchonella neenah*. Ordov. Brach.
Cinn. note H.C. Powers.
- 30 *Plectambonites sericea* Ohio Ordov. Brach.
- Parastrophia hemiplicata (Hall)
100. Ordovician - Trenton
Galena (lower)
Northern N. American.
(Wisconsin)
- UV 2272 "Galeir"
q. near
10071

- 2246 *Monticulipora subpulchella*. Ordov. Bryoz.
Cinn. Gr. Wilmington, Ill. Coll. A.H. Howk.
- 2247 *Monticulipora mammillatus*. Nich. Ordov. Bryoz.
Cinn. Gr. Cinn., Ohio. Coll. H.C. Powers.
- 2248 No Label. Ordov. Bryoz.
- 2249
- 2250 *Amplexopora septosa*. Vl. Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers. (950).
- 10039 1 *Leikaya appressa* Ordov. Bryoz.
Cinn. Gr. Cinn., Ohio. Coll. C.W. Hall (838.)
- 2 *Chaetetes*. new under sp. Ordov. Bryoz.
Hudson R. Sh. Delafield, Wis. Wis. Acad. Sci. (132)
- 3 *Trematopora granulata*. White. Ordov. Bryoz.
Cinn. Gr. Delafield, Wis. Wis. Acad. Sci. (703)
- 10025 4 *Homotrypa curvata* Ordov. Bryoz.
Cinn. Gr. Ohio. Coll. H.C. Powers.
- 10008 5 *Balosoma imbricata*. Nich. Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers.
- Leikayella obscura* Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers (875)
- Paleochara*. n. sp. Ordov. Bryoz.
Cinn. Gr. Delafield, Wis. Wis. Acad. Sci. (194)
- Allopora subplana*. Vl. Ordov. Bryoz.
Cinn. Ohio. Coll. H.C. Powers.
- Trematopora granulosa*. Ordov. Bryoz.
Hudson R. Sh. Delafield, Wis. Wis. Acad. Sci. (892)
- Monticulipora cincinnatiensis*. Ordov. Bryoz.
Hudson R. Sh. Cinn., Ohio. (121)
- Chaetetes rugosa*. Ordov. Bryoz.
Hudson R. Sh. Hamilton, Ohio. Coll. H.C. Powers. (31)
- Homotrypa irregularis* Ordov. Bryoz.
Hudson R. Sh. Hamilton, Ohio. Coll. H.C. Powers. (850)
- Loxochia falcatiformis*. Ordov. Bryoz.
Cinn. Gr. Ohio. Coll. H.C. Powers.
- Rhynchonella dentata*. Ordov. Brach.
H.C. Powers.
- Chaetetes subpulchellus*. Nich. Ordov. Bryoz.
Ford, Ohio. Trenton limestone
- 6 *Strophomena*. Beloit, Wis. Ordov. Brach.
Superior of dorsal valve. Trenton limestone. (230)
- 7 *Strophomena incrassata*. Ordov. Brach.
Beloit, Wis. (230)
- 8 *Fenestella granulosa*. Ordov. Bryoz.
Richmond, Delafield, Wis. Wis. Acad. Sci.
- 10037 9 *Monticulipora crustulata*. Ordov. Bryoz.
Hudson R. Sh. Ohio. Coll. H.C. Powers.
- 2270 *Strophomena incrassata*. Ordov. Brach.
Trenton limestone. (222)
- 1 *Strophomena*. Ordov. Brach.
Beloit, Wis. Trenton limestone
- 2 *Camarella*? sp. und. Trenton Ls. Ordov. Brach.
- 3 *Strophomena*. Ordov. Brach.
Trenton limestone
- 4 *Rhynchonella perlamellosa*. Ordov. Brach.
Cincinnati, Ohio. Delafield, Wis. C. Chamberlin
- 5 *Rhynchonella perlamellosa*. Ordov. Brach.
Hudson R. Sh. Delafield, Wis. Wis. Acad. Sci. (240)
- 10071 6 *Rhynchonella*. Ordov. Brach.
Hudson River shale Reading, Ohio H.C. Powers
- 7 *Rhynchonella*. Ordov. Brach.
- 8 *Lebertella insculpta*. Ordov. Brach.
Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers. (879)
- 10067 9 *Zygospira modesta*. Vl. Ordov. Brach.
Hudson River shale Cinn., Ohio. Coll. H.C. Powers. Wis. Acad. Sci. (691)
- 10072 10 *Rhynchonella nuda*. Ordov. Brach.
Cincinnati, Ohio. H.C. Powers.
- 1 *Plectambonites sericea* Ohio Ordov. Brach.

- 2282 *Zygospira*? Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers. Ordov. Brach.
 3 *Lingula*. Galena or Cinn. Gr. Unknown. (893) Ordov. Brach.
 4 *Rhynchonella dentata*. Richmond, Ind. Cincinnati Gr. Hall. O. L. Sussulish. Ordov. Brach.
 5 *Rhynchonella ainsliei*. Branehell. Impls. Minn. C. H. Hall. Ordov. Brach.
 6 *Rhynchotrema capax*. Trenton Limestone. Bell. ? Ordov. Powers. Brach.
 7 Hudson R. Sh. Cinn., Ohio. H.C. Powers. Ordov. Brach.
 8 *Lingula*. Unknown. (835) Ordov. Brach.
 10088 *Dalmanella emacerata*. Hudson R. Sh. Cinn., Ohio. H.C. Powers. Ordov. Brach.
 10086 *Dalmanella multisecta*. Cinn. Gr. Cinn., Ohio. H.C. Powers. Ordov. Bryoz.
 1 *Trematospira similis*. Vhl. Hudson R. Sh. Cinn., Ohio. Coll. H.C. Powers. Ordov. Bryoz.
 2 *Rhynchonella dentata*. Cincinnati Gr. H.C. Powers. Ordov. Brach.
 10070 3 *Zygospira recurvirostris*. Trenton Ls. Hall. H.C. Powers. Ordov. Brach.
 4 *Plectorthis Jamesi*. Lexington, Ky. Cincinnati Gr. Hall. H.C. Powers. Ordov. Brach.
 10074 *Plectambonites sericea*. Trenton Limestone. Mineral Point. Ill. Henry (232) Ordov. Brach.
 1970 *Rhynchonella quadruplicata*. Cincinnati Gr. Hall. H.C. Powers. Ordov. Brach.
 8 *Plectambonites sericea*. C. W. Hall. Ordov. Brach.
 9 *Dalmanella*. Ordov. Brach.
 2300 1 *Plectorthis plicatella*. Cinn. Gr. Reading, Ohio. H.C. Powers. Ordov. Bryoz.
 2 *Dalmanella* (Hudson R. Sh. Cinn., Ohio. H.C. Powers. Ordov. Bryoz.
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h3 60

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h3 70

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h38 0

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2418 Aglaspella simplex RAASCH
Up. Cambrian, Wisconsin. RAASCH: ~~Mer~~ Cambrian
Merostomes, G.S.A. Special Papers, no. 19, 1939, pl. 2, fig. 7

missing
(Sept. 1976)

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1 *Schizocrinus nodosus* ^{Freedom, 3 mi. from Duck Creek, Brown Co. Wis.} Ordov. Crinoids

2 *Amygdalocystites floralis* ^{Trenton Ls.} Ordov. Cystids

3 *Glyptocrinus sub-globosus* ^{Cinn. Gr. Ohio. H.C. Powers.} Ordov. Crinoids

4 *Conocostema* ^{Trenton Ls.} Ordov. Crinoids

5 *cinn. Gr. Richmond Ind.* ^{H.C. Powers.} Ordov. - Crinoids

6 *Glyptocrinus Dyeri* ^{Cinn. Gr. Cinn. Ohio. H.C. Powers.} Ordov. - Crinoids

7 *Dendrocrinus polydactylus* ^{Hudson R. Mayville, Ohio. H.C. Powers.} Ordov. Crinoids

8 *Heterocrinus simplex* ^{Hudson R. Cinn. Ohio. H.C. Powers.} Ordov. Crinoids

9 *Lichinocrinus crateriformis* ^{Cinn. Gr. Ohio. H.C. Powers.} Ordov. Crinoids

10 *Agelacrinus vorticellatus* ^{Cinn. Gr. Ohio. H.C. Powers.} Ordov. Cystids

11 *Agelacrinus unannatus* ^{Re-entered} Ordov. Cystids

12 *Conchicolites corrugatus* ^{Cinn. Gr. Ohio. H.C. Powers.} Ordov. Crinoids

13 *Bathynotus holopygia* ^{Parkerson Q. P. D.C. Camb. Tril.}

14 *Ogygopsis klotzi* ^{Mt. Stephen, B.C. Camb. Tril.}

15 *Microdiscus lobatus* ^{Wash. D.C. Camb. Tril.}

16 *Olenellus thompsoni* ^{Parkerson Q. D.C. Camb. Tril.}

17 *Olenoides nevadensis* ^{Mt. Stephen, B.C. Camb. Tril.}

18 *Aglaspis eatoni* ^{Iodi, W. D. RAASCH, G.S.A. Special Paper 19, 1939, pl. 2, fig. 7. Figured in} Camb. Merost.

19 *Likellocephalus Minnesotensis* ^{Lane Fork, W.V. Camb. Tril.}

20 *Likellocephalus Minnesotensis* ^{Lane Fork, W.V. Camb. Tril.}

1 *Ogygopsis klotzi* ^{Mt. Stephen, B.C. Camb. Tril.}

2 *Schroptera tumida* ^{Washington D.C. Camb. Tril.}

3 *Ptychaspis miniscaeensis* ^{unknown Camb. Tril.}

4 *Olenoides typicalis* ^{Wash. D.C. Camb. Tril.}

5 *Likellocephalus* ^{Camb. Tril.}

- 2426 *Ptychoparia* unknown. Camb. Tril.
- 157
8 *Pleurocystites squamosus* Bill. Ordov. Cystids
Trenton Ls. Beloit, Wis. H.C. Powers.
9 *Houghtonia huttonica* Cinn. Br. Drummond Island, Mich. Ordov. Corals
1
2430 *Streptelasma corniculum* Beloit, Wis. Ordov. Corals
Trenton Layers 3 & 4. Upper Blue. Beloit, Wis. H.C. Powers.
1 *Streptelasma corniculum* Ordov. Corals
Trenton Layers 3 & 4. Beloit, Wis. Lafayette Co. Wis. Upper Blue.
2
3 *Columnaria stellata* H. unknown. Ordov. Corals
Cinn. Br. Beloit, Wis. Platteville Form. H.C. Powers.
4 *Spongia* Powers Coll. Trenton Ls. Ordov. Sponges
Beloit, Wis. Powers Coll. Upper Blue.
5 *Streptelasma corniculum* H. Ordov. Corals
Trenton Layers 3 & 4. Beloit, Wis. Powers Coll.
6 *Columnaria alveolata* Ordov. Corals
7 *Petraia corniculum* Ordov. Corals
Beloit, Wis. Trenton Ls.
8 *Cornulites* sp. and gen. undet. Ordov. Corals
Beloit, Wis. Trenton Ls.
9 *Streptelasma corniculum* Wis. Acad. Sci. Ordov. Corals
Trenton Ls. Beloit, Wis. H.C. Powers.
2440 *Gaphrentis* Ordov. Corals
Beloit, Wis. Platteville Ls. Minneapoli, Minn. C. W. Pass.
2441 *Streptelasma corniculum* Ordov. Corals
10157 *Streptelasma corniculum* Ordov. Corals
Trenton Layers 3 & 4. Beloit, Wis. H.C. Powers.
3 *Microspongia inaequalis* Ordov. Sponges
1993 *Cyathophyllum* Reading, Ohio. Cinn. Br. H.C. Powers.
4 *Streptelasma corniculum* H. Ordov. Corals
Trenton Ls. (Petraia) Beloit, Wis. Upper Blue.
5 *Michelinia insignis* Dist. Ordov. Corals
Beloit, Wis. Trenton Ls. H.C. Powers.
6 *Columnaria alveolata* Goldf. Ordov. Corals
Beloit, Wis. H.C. Powers.
7 *Hikellocephalus pepinensis* Camb. Tril.
8 *Ptychaspis* Oseola, Wis. Camb. Tril.
2450 *Hikellocephalus* Oseola, Polk Co. Wis. Camb. Tril.
1 *Illaenus quadratus* Oseola, Wis. Camb. Tril.
2 *Ptychaspis* Unknown. Camb. Tril.
3 *Arionellus convexus* Wis. Acad. Sci. Camb. Tril.
4 *Chariocephalus Whitfieldi* Winona Minn. Camb. Tril.
5 *Solenopleura bombifrons* Camb. Tril.
6 *Ptychoparia owensis* Dredock, Minn. Powers. Camb. Tril.
7 *Hypostome of Ptychoparia owensis* Dredock, Minn. Powers. Camb. Tril.
8 *Hikellocephalus* Oseola, Polk Co. Wis. Camb. Tril.
9 *Hikellocephalus* Oseola, Polk Co. Wis. Camb. Tril.
460 *Hikellocephalus* Ettrick, Wis. Camb. Tril.
Oseola, Wis. Camb. Tril.

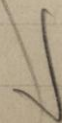
- 2 462 *Arionellus* ^{Daubigny pyrene} ^{Deceba, Pale & Wis.} Camb. Trilobites.
- 3 *Conocephalites explanatus* ^{Nudeam, Wis.} Camb. Trilobites
- ✓ 4 *Salterella* sp. new. ^{Lower Magnesian Ls.} ^{Oconto Falls, Wis.} Ordov. Pteropods
- ✓ 5 *Receptaculites fungosum*, H. ^(Very Rare) Ordov. Sponges
- 6 Ordov. Corals.
- 7 *Receptaculites* ^{Galena Ls.} ^{Freeport, Ill.} Ordov. Sponges.
- 8 *Receptaculites oweni* ^{Trenton Ls.} ^{Rockford, Ill.} Ordov. Sponges
- D 9 " Ordov. Sponges
- 2470 *Receptaculites* ^{Galena Ls.} ^{Mineral Point, Wis.} Ordov. Sponges
- 1
- 2 unknown. Ordov. Corals
- 3 *Receptaculites oweni* ^{Wis. Acad. Sci.} ^{Galena} ^{Oweni, H.} Ordov. ^{Oshkosh Lower Layers.} Sponges
- old no 109. 4 *Receptaculites oweni* ^{Baril, Epagne. Le Balux, France.} ^{Shullsburg.} ^{Galena.} ^{Oweni, H.} Ordov. ^{Galena.} Sponges
- ✓ 5 *Receptaculites oweni* ^{Shullsburg.} ^{Galena.} ^{Oweni, H.} Ordov. ^{Wis. Acad. Sci.} Sponges
- 6 *Receptaculites downsi* ^{Galena.} ^{Oweni, H.} Ordov. Sponges
- ✓ 7 *Receptaculites downsi* ^{Galena, Ls.} ^{Freeport, Ill.} Ordov. Sponges
- 8 *Monograptus* ^{Wildenfelds, Saxony, Germany.} Ordov. Graptolites
- 9 *Climacograptus typicalis* Ordov. - Graptolites
- 1988 10 *Climacograptus tenuiramosus* ^{Cinn. Gr. Ohio.} ^{H. C. Powers.} Ordov. Graptolites
- 2480 *Climacograptus tenuiramosus* ^{Hudson R. Cinn., Ohio.} ^{H. C. Powers.} Ordov. Graptolites
- 1 *Dicranograptus arbuscula* ^{Hudson R. Cinn., Ohio.} ^{H. C. Powers.} Ordov. Graptolites
- 2 *Dicranograptus bicornis* ^{Cinn. Gr. Ohio.} ^{H. C. Powers.} Ordov. Graptolites
- 3 *Scolithus* ^{St. Peter's Is., Portland, Wis.} ^{Wis. Acad. Sci.} Ordov. Vermes.
- Algae? 4 *Butthograptus latus* ^{Trenton Ls.} ^{Platteville, Wis.} ^{L. S. Cheney.} Ordov. Graptolites
- P 5 No Label Ordov. Graptolites.
- ✓ 6 *Salterella pulchella* ^{St. Martin, N. B.} ^{USNM loc. 85.} Camb. Pteropods
- ✓ 7 *Hyolithes communis* ^{St. Martin, N. B.} Camb. Pteropods
- ✓ 8 *Hyolithellus micans* ^{St. Martin, N. B.} Camb. Pteropods
- 9 *Arionellus* ^{St. Martin, N. B.} Camb. Tril.
- 2490 *Hyolithes primordialis* ^{St. Martin, N. B.} Camb. Pteropods
- 1 *Phylloporus linearis* ^{St. Martin, N. B.} Camb. Tril.
- ✓ 2 *Agnostus tessella* ^{St. Martin, N. B.} Camb. Tril.
- ✓ 3 *Olenocephalus Matthevi* ^{St. Martin, N. B.} Camb. Tril.
- ✓ 4 *Paradoxides micrac.* ^{St. Martin, N. B.} Camb. Tril.
- ✓ 5 *Parabolina lata* ^{St. Martin, N. B.} Camb. Tril.
- ✓ 6 *Agnostus vir.* ^{St. Martin, N. B.} Camb. Tril.
- 7 *Elipsacephalus galeatus* ^{St. Martin, N. B.} Camb. Tril.

- 2498 *Paradoxides Micmac* St. John Ser. Div. 1c St. John, h.B. M. Camb. Tril.
69 *Agnostus pisiiformis* Div. 3, St. John Ser. M. Camb. Tril.
2500 *Parmophorella Acadica* St. John Ser. 1c St. John, h.B. M. Camb. Trilobites
Paradoxides etaminicus St. John Ser. 1c, St. John, h.B. M. Camb. Tril.
1 *Ctenocephalus Matthewi* Div. 1c, St. John Ser. M. Camb. Tril.
2 *Solenopleura robbii* Dorset Sh. M. Camb. Tril.
3 *Agnostus fissus* St. Martins, h.B. M. Camb. Tril.
4 *Paradoxides Abenacensis* St. John Ser. Div. 1c, St. Martins, h.B. M. Camb. Tril.
5 *Paradoxides Micmac* (arg.) St. John Ser. Div. 1c Portland, h.B. M. Camb. Tril.
6 *Paradoxides Etaminicus* (check) Portland, h.B. M. Camb. Tril.
7 *Ellipsococephalus galeatus* St. John Ser. Div. 1c, St. Martins, h.B. M. Camb. Tril.
8 *Solenopleura Acadica* St. John 1-D St. Martins, h.B. M. Camb. Tril.
9 *Palaeophrychus* sp. 2 South Co. N.B. M. Camb. Plants
2510 *Paradoxides Acadicus* Div. 1c St. John Ser. M. Camb. Tril.
1 *Protolenus elegans* St. John Ser. 1b, St. Martins, h.B. Matthew
2 *Aglaspis* unknown. M. Camb. Merost.
3 *Ctenocephalus Matthewi* Div. 1c, St. John Ser. M. Camb. Tril.
4 *Solenopleura Robbii* Div. 1c, St. John Ser. M. Camb. Tril.
5 *Agnostus* var. (segment) St. Martins, h.B. M. Camb. Tril.
6 *Conocoryphe Walcottii* Div. 1c St. John Ser. M. Camb. Tril.
7 *Agnostus* var. St. John Ser. 1-D St. Martins, h.B. M. Camb. Tril.
8 *Peltura scarabeoides* Div. 3b St. John Ser. M. Camb. Tril.
9 *Agnostus tessella* St. John Ser. Middle Camb. St. Martins, h.B. M. Camb. Tril.
2520 *Leptoplastus latus* St. John Ser. 3-b St. John, h.B. M. Camb. Tril.
1 *Conocoryphe (pygidium)* Div. 1c St. John Ser. M. Camb. Tril.
2 *Paradoxides lamellatus* St. Martins, h.B. M. Camb. Tril.
3 *Liostracus Onangondianus* St. John Ser. M. Camb. Tril.
4 *Liostracus tener* Div. 1c St. John Ser. M. Camb. Tril.
5 *Agnostus Acadicus declivis* St. John Ser. Div. 1c St. Martins, h.B. M. Camb. Tril.

298

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Reynolds



- 2526 *Solenopleura* ^{St. John 1-a.} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2527 *Microdiscus pulchellus* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2528 *Protolenus elegans* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2529 *Ptychoparia linnaeensis* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2530 *Peltura aculeata* ^{St. John Div. 3-b} ^{St. John h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2531 *Solenopleura Acadica* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2532 *Paradoxides Etemineus* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2533 *Paradoxides Etemineus* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2534 *Agnostus vir (pygidium)* ^{St. Martin, h.B.} ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2535 *Conocoryphe Baileyi* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2536 *Solenopleura Robbii* ^{St. John Div. 1-c} ^{St. John Div. 3-b} ^{m.} ^{Camb.} ^{Tril.}
 2537 *Leptoplastus latus* ^{St. John Div. 3-b} ^{m.} ^{Camb.} ^{Tril.}
 2538 *Ptychoparia Linnaeensis* ^{St. John Div. 1-b} ^{St. Martin, h.B.} ^{m.} ^{Camb.} ^{Tril.}
 2539 *Leptoplastus latus* ^{St. John Div. 3-b} ^{m.} ^{Camb.} ^{Tril.}
 2540 *Agnostus Acadicus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2541 *Ctenocephalus Matthewi* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2542 *Paradoxides niemac* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2543 *Paradoxides niemac* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2544 *Paradoxides etemineus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2545 *Microdiscus* ^{prob. J. Cambrian.} ^{Manueli Breda} ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2546 *Paradoxides Etemineus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2547 *Paradoxides Abenacus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2548 *Paradoxides Abenacus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2549 *Liostracis tener* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2550 *Conocoryphe elegans* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2551 *Liostracis nangondianus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2552 *Conocoryphe Walcottii* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2553 *Agnostus socialis* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2554 *Eliptrocephalus galatus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2555 *Paradoxides Niemac* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2556 *Agnostus obtusilobus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2557 *Conocoryphe Baileyi* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2558 *Conocoryphe Baileyi* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2559 *Paradoxides lamellatus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2560 *Paradoxides etemineus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}
 2561 *Paradoxides lamellatus* ^{St. John Div. 1-c} ^{m.} ^{Camb.} ^{Tril.}

- 2562 *Liostracus tener*. ^{check} Div. 1c, St. John Dr. M. Camb. Tril.
- 36 *Ptychoparia Linnarssoni* ^{St. John Div. 1-D} M. Camb. Tril.
- 64 *Microdiscus lobatus* ^{Washington Co. N.Y.} M. Camb. Tril.
- 5 *Gomphoceras* ^{Niagara Ls. Mandoceras Scribnium (HALL) Int. mold of living Chbr. of a small cyrtocone showing 4-shaped constricted aperture} Bridgeport, Ill. Wards Nat. Sci. Est. Silur. Cephal.
- 6 *Springopora*. ^{Coll. J. T. Atwood.} Mammoth Cave, Ky. Miss. Corals.
- 2717 *Plesiosaurus vetula*. ^{new cat. no. 2569} Lias. Lyme Regis, Eng. W & H.
- 2716 *Ichthyosaurus vetula* Lias. Weymouth, Eng. Powes.
- B 9 *Calymene magarensis* ^{Niagara Ls. Chicago Drainage canal} Silurian - Tril.
- 2570 *Limulus*. ^{Recent. Coll. D.H. Crawford.} King Crab. Pleistocene. Crustace.
- 1 *Wickellosephalus*. ^{undagnum} M. Camb. Tril.
- 2 *Liostracus tener*. ^{St. John Div. 1-C} M. Camb. Tril.
- 3 *Ptychoparia Linnarssoni* ^{check} M. Camb. Tril.
- D 4 *Ptychaspis granulosa*. ^{St. John Div. 1-C} M. Camb. Tril.
- 5 *Paradoxides stemmicus* ^{St. John Div. 1-C} M. Camb. Tril.
- 6 *Conocoryphe Walcott* ^{St. John Div. 1-C} M. Camb. Tril.
- 7 *Agnostus imbro*. ^{St. John Div. 1-C} M. Camb. Tril.
- 8 *Liostracus onangondianus*. ^{St. John Div. 1-C} M. Camb. Tril.
- 9 *Microdiscus Lawtoni* ^{St. John Div. 1-C} M. Camb. Tril.
- 2580 *Ptychoparia Linnarssoni* ^{St. John Div. 1-C} M. Camb. Tril.
- 1 *Agnostus regulus*. ^{St. John Div. 1-C} M. Camb. Tril.
- 2 *Paradoxides micmac pontificalis* ^{St. John Div. 1-C} M. Camb. Tril.
- 3 *Wickellosephalus* ^{Telleria Bonners Quarry, Maine} M. Camb. Tril.
- 4 *Helena bella*. ^{Manuelo Beach, Concepcion Bay} M. Camb. Tril.
- 5 *Ptychaspis granulosa*. ^{Hudson, Wis.} M. Camb. Tril.
- 6 *Ptychaspis granulosa*. " " M. Camb. Tril.
- D 7 *Wickellosephalus crassimarginatus*. ^{St. John Div. 1-C} M. Camb. Tril.
- 8 *Paradoxides Abenacensis* ^{St. John Div. 1-C} M. Camb. Tril.
- 9 *Parabolina lata* ^{St. John Div. 1-C} M. Camb. Tril.
- 2590 *Microdiscus ball-marginatus*. ^{Manuelo Beach, Concepcion Bay, Chile} M. Camb. Tril.
- 1 *Ctenopyge spectabilis*. ^{St. John Div. 1-C} M. Camb. Tril.
- 2 *Agnostus acutilobus*. ^{St. John Div. 1-C} M. Camb. Tril.
- 3 *Ctenocephalus Matthewi*. ^{St. John Div. 1-C} M. Camb. Tril.
- 4 *Ctenocephalus Matthewi*. ^{St. John Div. 1-C} M. Camb. Tril.
- 5 *Conocoryphe Walcott*. ^{St. John Div. 1-C} M. Camb. Tril.
- 6 *Aerolites* ^{Discinopsis guillemi (Matthew)} M. Camb. Tril.
- 7 *Arionellus convexus*. ^{St. John Div. 1-C} M. Camb. Tril.
- 8 *Ptychoparia Linnarssoni*. ^{St. John Div. 1-C} M. Camb. Tril.

- 2599 *Pettura scarabeoides*. ^{St. John Dr. 3-b.} Camb. ^{Tril.}
- 2600 *Agnostus regulus* ^{St. John Dr. 1-c} Camb. ^{Tril.}
- 1 *Ptychaspis* ^{Berlin, W.} Camb. ^{Tril.}
- 2 *Hikellocephalus crassimarginatus*. ^{Berlin, W.} Camb. ^{Tril.}
- 3 *Stromatopora*. ^{Ontario, Canada} Silurian ^{Bryoz.}
- 4 *Ctenopygia spectabilis* ^{St. John Dr.} Camb. ^{Tril.}
- 5 *Hikellocephalus crassimarginatus*. ^{Berlin, W.} Camb. ^{Tril.}
- 6 *Hikellocephalus* (cast) ^{Berlin, W.} Camb. ^{Tril.}
- 7 *Paradoxides Etemicus* ^{St. John Dr.} Camb. ^{Tril.}
- 8 *Solenophora Acadica* ^{St. John Dr.} Camb. ^{Tril.}
- 9 *Protypus senectus*. ^{VT} Camb. ^{Tril.}
- 2610 *Conocephalites hamatus* ^{Winona, Minn.} Camb. ^{Tril.}
- 61 ^{Berlin, W.} Camb. ^{Tril.}
- 2 *Aglaspis*. ^{unknown} Camb. ^{Tril.}
- 63 *Hikellocephalus* ^{Berlin, W.} Camb. ^{Tril.}
- 4 *Bathynotus holopygia* ^{St. John Dr.} Camb. ^{Tril.}
- 5 *Delmenia quadratus* ^{St. John Dr.} Camb. ^{Tril.}
- 6 *Paradoxides Harlani* ^{Mass.} Camb. ^{Tril.}
- 7 *Conocephalites anatinus* ^{Hudson, W.} Camb. ^{Tril.}
- 8 *Hikellocephalus crassimarginatus glabella* - ^{Berlin, W.} Camb. ^{Tril.}
- 9 *Ptychaspis Miniscaensis*. ^{Winona, Minn.} Camb. ^{Tril.}
- 26206 ^{Berlin, W.} Camb. ^{Tril.}
- 61 ^{Berlin, W.} Camb. ^{Tril.}
- 2 *Olenellus Gilberti* ^{Highland Range, Nevada} Camb. ^{Tril.}
- 3 *Hikellocephalus* ^{Berlin, W.} Camb. ^{Tril.}
- 4 *Hikellocephalus* ^{Berlin, W.} Camb. ^{Tril.}
- 5 *Billings of worm burrows*. ^{St. John Dr.} Camb. ^{Tril.}
- 6 *Eocrystites primaevus*. ^{N. Carolina. Tooth of large extinct shark} Camb. ^{Tril.}
- 7 *Carcharodon megalodon*. ^{Eocene} Camb. ^{Tril.}
- 8 *Ctenichnites ingens*. ^{St. John Dr.} Camb. ^{Tril.}
- 9 *Scolithus tubes*. ^{Berlin, W.} Camb. ^{Tril.}
- 2630 *Crinoid joints*. ^{Hudson, W.} Camb. ^{Tril.}
- 1 *Paracyclas lirata*. ^{New York. Devonian} Camb. ^{Tril.}
- 2 *Erichnites Linnaeus*. ^{St. John Dr.} Camb. ^{Tril.}
- 3 *Lingulella Martinus*. ^{St. John Dr.} Camb. ^{Tril.}
- 4 *Linnaeus*. ^{St. John Dr.} Camb. ^{Tril.}

- 635 *Orthis pepinensis* Berlin, W. i. Camb. Brach.
 6 *Acrotreta Baileyi* (dorsal) Westfield, N. B. Canada St. John's group, div. 1d. Coll. F. MATTHEW
 7
 8 *Orthis pepinensis* Berlin, W. i. Camb. Brach.
 3 89 *Lingulella Dawsoni* ~~Greenwich~~ ^{St. John's} N. B. Camb. Brach.
 5 640 *Bayrichona tinea* ^{St. John's} N. B. Camb. Brach.
 61 *Linnarssonella transversa* ^{St. Martin's} N. B. Camb. Brach.
 21 61 *Linnarssonella transversa* Westfield, N. B. St. John's, div. 1d. Camb. Brach.
 63 *Obolella polita* Camb. Brach.
 64 *Acrothele Matthiewi* Camb. Brach.
 65 *Obolella polita* ^{Dicellogomus politus Hall.} Daleville, W. i. Camb. Brach.
 66 *Linnarssonella misera* ^{Acrotreta} St. Martin's N. B. Camb. Brach.
 3 67 *Lingulella* Daleville, W. i. Camb. Brach.
 68 *Linnarssonella transversa* St. Martin's N. B. Camb. Brach.
 69 *Acrothele Matthiewi* ^{Potsdam, Tenn. Head, 1861.} St. Martin's N. B. Camb. Brach.
 650 *Acrotreta Guelielmi* ^{D. inchoensis} St. John's N. B. Camb. Brach.
 61 *Kutorgina Labradorica* ^{Island Head, Conception Bay, Newfoundland} Camb. Brach.
 63 *Lingulella caelata* Washington Co., N. Y. Camb. Brach.
 64 *Kutorgina cingulata* Swanton, Vermont Camb. Brach.
 65 *Obolella Atlantica* ^{Manuel's Brook, Conception Bay, Newfoundland} Camb. Brach.
 66 *Acrotreta (Baileyi?)* Camb. Brach.
 67 *Linnarssonella transversa* Westfield, N. B. St. John's 1d. Camb. Brach.
 68 *Lingulella Dawsoni* ^{Greenwich} N. B. St. John's 1b5 Camb. Brach.
 69 *Acrothele Matthiewi* ^{Greenwich} N. B. St. John's 1b5 Camb. Brach.
 660 *Lingulepis prima* ^(Curticia elegantula?) ^{St. John's} N. B. Camb. Brach.
 20838 + *Lingulepis pinnaformis* ^{St. John's} N. B. Camb. Brach.
 62 *Lingulepis sp.* ^{Bonham's Quarry, Madison, Ia.} Madison, W. i. Camb. Brach.
 63 *Lingula Martinensis* ^{St. Martin's} N. B. Camb. Brach.
 64 *Linnarssonella sagittalis* ^{Acrotreta} ^{Washington Co., N. Y.} Camb. Brach.
 65 *Seperditia (P) dermatoides* ^{Wash. Co., N. Y.} Camb. Brach.
 66 *Platyceras primaevum* ^{Wash. Co., N. Y.} Camb. Brach.
 67 *Palaeacma Minniscensis* ^{Minneapolis, Minn.} Camb. Brach.
 68
 69 *Fordilla rogersi* ^{Washington Co., N. Y.} Camb. Brach.

h671 Niagara Form. Clark's Mills, Wis. Coll. T. L. Chamberlain. *Monomerella prisca* Silur. Brach.

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h690

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h700

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Spirifer radiatus (?)
Plectambonites (?) Wilmington, Del. Silurian

Niagara Ls. Waldron, Ind. U. of Chicago. *Spirifer crispus* Silur. Brach.

Pterinea demissa Niagara Waldron, Ind. Silur. Pelec.

new cat. no. 1424 (2 specimens)
new cat. no. 1427 Niagara Ls. Wis. *Bronteus laphami* Silur. Tril.

Disordered 5/28/35

disposed 12/6/34.

Heliozephyllum cylindricum Devonian. Falls of the Ohio, Ky. ?

Cyathophyllum goldfussi mid Dev. Eifel, Germany. J. M. Claret.

Disordered

Alseodites frondosa Devonian. Letchford, Ont. H. E. Powers.

Cyathophyllum ceratites goldf. mid. Dev. Eifel J. M. Claret.

Zonites goldfussi Dev. Grolstein, Germany. "

Michelinia stylosa. Hamilton Bellora, N.Y. B.H. Wright

Alseodites ventricosus Dev. Hamilton Bellora, N.Y. B.H. Wright

Cyathophyllum sp. mid. Devonian. Grolstein in the Eifel, Germany. J. M. Claret.

Cyathophyllum latilobum mid. Dev. Grolstein in the Eifel, Germany. J. M. Claret.

Hedrophylloids puniceiferous Louisville, Ky. Powers.

- 2743 *Syringopora verticillata* ^{Beloit, Wis.} Niagara Silur. ^{Powers.} Corals.
- 4 *Zaphrentis racinensis* ^{Lemont, Ill.} Niagara Ls. Silur. ^{E. Blackwelder, Coll.} Corals.
- 5 *Diphiphyllum*. Silur. Corals.
- 6
- 7 *Farosites* Drift. Beloit, Wis. Powers. Silur. Corals.
- 8 *Cladopora laqueata* ^{Drift, Wis.} Powers. Silur. Corals.
- 9 *Farosites hemisphericus* ^{Beloit, Wis.} Drift. Silur. ^{H.C. Powers, Coll.} Corals.
- 2750 *Farosites nispidus* Drift. Beloit, Wis. Silur. ^{H.C. Powers, Coll.} Corals.
- 1 *Farosites* ^{E. Blackwelder, Coll.} Niagara. Silur. Corals.
- 2 *Cinoid stems* Drift. Beloit, Wis. Silur. ^{Powers.} Cinoid.
- 3 *Halysites compactus* ^{Aich. Rep.?} Quaternary Silur. ^{H.C. Powers, Coll.} Corals.
- 4 *Farosites clausus* Silur. Corals.
- 5 *Raphistoma lenticularis* ^{Galena Ls. Menasha, Wis.} sby Ordov. ^{Wis. Acad. Sci. (270)} Gastero.
- 6 *Cryptodiscus* ^{Niagara.} Racine, Wis. Silur. Cinoids.
- 7 *Murchisonia major* ^{Roscoe Ledges, Ill.} Ordov. ^{H.C. Powers (288)} Gastero.
- 8 *Trochonema ambigua* ^{Galena Ls.} Ordov. ^{Wis. Acad. Sci. (275)} Gastero.
- 9 *Subulites elongatus* ^{Galena Ls.} Ordov. ^{Wis. Acad. Sci.} Gastero.
- 2760 *Eumphalus?* ^{Trenton Ls. Beloit, Wis.} Ordov. ^{H.C. Powers coll. (268)} Gastero.
- 1 *Pleurotomaria subconica* ^{Trenton Ls. Unknown} H. (866) Ordov. Gastero.
- 2
- 3 *Cyclonema coniculum* ^{Hudson, R.} Middleton, Ohio Ordov. ^{H.C. Powers (251)} Gastero.
- 4 *Bucania bidorsata* ^{Trenton Ls.} Beloit, Wis. Ordov. ^{H.C. Powers (309)} Gastero.
- 5 *Trochonema Beachi* ^{Roscoe Ledges, Ill.} Ordov. ^(277a) Gastero.
- 6
- 7 *Raphistoma* ^{Lower Magnesian} ^{Winnecoon, Wis.} Acad. Sci. (83.) Ordov. Gastero.
- 8 *Maclurea magna* ^{Chazy.} ^{Cassin, Vt.} Sussalich coll (48) Ordov. Gastero.
- 9 *Raphistoma subtilistrata* ^{Liospire} ^{Cinn. Gr. Ohio.} H.C. Powers Ordov. Gastero.
- 2770 *Tolopea* sp. ^{Galena Ls. Menasha, Wis.} Wis. Acad. Sci. (298) Ordov. Gastero.
- 1 *Cyrtolites ornatus* ^{Potters Sta, Wis.} Com. Galena Ls. Ordov. ^{H.C. Powers.} Gasteropoda.
- 2 *Pleurotomaria depauperata* ^{Appleton, Wis.} ^{Galena Ls.} Wis. Acad. Sci. (293) Ordov. Gasteropoda.
- 3 *Murchisonia* sp. ^{Galena Ls. Menasha, Wis.} Wis. Acad. Sci. (295) Ordov. Gastero.
- 4 *Murchisonia bellicincta* ^{Galena Ls.} ^{Roscoe Ledges, Ill.} Wis. Acad. Sci. (298) Ordov. Gastero.
- 5 *Raphistoma lenticularis* ^{Galena Ls. Roscoe, Ill.} ^{H. Sowerby.} H.C. Powers (319) Ordov. Gastero.
- 6 *Cyrtolites compressus* ^{Beloit, Wis.} ^{H. Trenton Ls.} H.C. Powers (317) Ordov. Gastero.
- 7 *Straparobus* sp. ^{Lower Magnesian} T. 29 R. 18 W. Wis. Acad. Sci. (291) Ordov. Gastero.
- 8 *Bucania punelifrons* ^{Trenton Ls.} Beloit, Wis. Ordov. Gastero.
- 9 ^{H.C. Powers. (312.)}

- 2779 *Buccania expansa* "Hall." Trenton Ls. Ordov. Gastero.
H.C. Powers.
- 2780 *Cyrtolites compressus*. Trenton Ls. Ordov. Gastero.
Rhipidolites granulosa
- 1 *Strophomena recta*. W. Cinn. Gr. Wis. Acad. Sci. (225) Brach.
Delafield, Wis.
- 2 *Murchisonia bicarinata* H. Ordov. Gastero.
Wis. Acad. Sci. (274). Calena Ls. Roscoe, Ill. "Ledges" H.C. Powers (294)
- 3 *Murchisonia tricarinata*. Ordov. Gastero.
Calena Ls. "Roscoe, Ill. Ledges" H.C. Powers (294)
- 4 *Cyrtoceras?* Unknown. (811) Ordov. Cephal.
- 5 *Cyrtolites trentonensis*. Beloit, Wis. Ordov. Gastero.
K.P.
- 6 *Cyrtoceras planidorsatum*. Trenton Ls. Beloit, Wis. H.C. Powers. (347a)
Whit.
- 7 *Orthoceras gregarium*. Cinn. Gr. Iowa. Wis. Acad. Sci. Ordov. Cephal.
- 8 *Endoceras proteiforme*. Utica Shale. Holland Patent, N.Y. H.C. Powers. Ordov. Cephal.
- 9 *Gomphoceras Cincinnatiensis*. Ohio. H.C. Powers. Ordov. Cephal.
- 2790 *Cyrtoceras sp.* Cinn. Gr. Shulsburg, Wis. Wis. Acad. Sci. (346) Ordov. Cephal.
- 1 *Oncoceras mymaeforme*. (Whitefield) Trenton Ls. m.d. H.C. Powers ~ 1895
Beloit, Wis.
- 2 *Ormoceras sp.* Galena Ls. Menasha, Wis. Wis. Acad. Sci. (335-) Ordov. Cephal.
- 3 *Orthoceras vertebrale*. Trenton Ls. Beloit, Wis. (330) Ordov. Cephal.
- Also: On Ordov. Cephalopod with # 2794 Mid. Ordov. Wis. (?)
4 *Synbolites penibolus*. Chapman House Co. Ind. W.D.T. Cole
- 5 *Lituities convolvans*. Trenton Ls. Middle Beloit, Wis. source: H.C. Powers; about 1895.
Cinn. Gr.
- 6 *Orthoceras gregarium*. Dubuque, Iowa. Ordov. Cephal.
- 7 *Cyrtoceras*. Trenton Ls. Ordov. Cephal.
Powers Coll.
- 8 *Lituities occidentalis*. Trenton Ls. H.C. Powers. (359) Ordov. Cephal.
Beloit, Wis.
- 9 *Cyrtoceras*. Trenton Ls., Beloit, Wis., H.C. Powers (346) Ordov. Cephal.
- 2800 *Ormoceras sp.* Ordov. Cephal.
- 1 *Cyrtoceras*. Trenton Ls. Beloit, Wis. Coll. H.C. Powers. (340) Ordov. Cephal.
- 2 *Cyrtoceras brevicurvatum*. Trenton Ls. Beloit, Wis. Coll. H.C. Powers. (347) Ordov. Cephal.
- 3 *Cyrtoceras Lycum*. Trenton Ls. Beloit, Wis. Coll. H.C. Powers. Ordov. Cephal.
- 4 *Gyroceras** *duplicostatum*. *Gyroceras is not a valid genus. Trenton Ls. Middle Ordov. Cephal.
- 5 *Oncoceras brevicurvatum*. Powers Coll. e. Hall coll. H.C. Powers Coll. (358) about 1885. Ordov. Cephal.
- 6 *Gonioceras occidentalis*. Trenton Ls. H.C. Powers Coll. Ordov. Cephal.
- 7 *Endoceras proteiforme*. Trenton Ls. Ordov. Cephal.
Trenton Ls. Beloit, Wis. Powers Coll.
- 8 *Ormoceras (Actinoceras) Beloitense* Whit. Ordov. Cephal.
- 9 *Gonioceras occidentale*. Trenton Ls. HALL powers Coll. about 1885. Ordov. Cephal.
- 2810 *Orthoceras vertebrale* H. Unknown. Trenton Ls. Wis. Acad. Sci. (330) Ordov. Cephal.
- 1 *Endoceras proteiforme*. Trenton Ls. Mineral Point, Wis. Henry coll. Ordov. Cephal.
- 2 *Endoceras proteiforme*. Trenton Ls. Mineral Point, Wis. Henry Coll. Ordov. Cephal.
- 3 *Endoceras proteiforme*. Trenton Ls. Mineral Point, Wis. Henry coll. Ordov. Cephal.
- 4 *Ormoceras (Actinoceras) Beloitense*. Trenton Ls. Beloit, Wis. Powers Coll. Ordov. Cephal.
Whit.

Cameroceras subannulatum WHITFIELD, 187..

("Endoceras-annulatum-HALL")

Middle Ordovician ("Trenton Limestone")

Beloit, Wisconsin.

Source : H. C. POWERS Collection

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Original description :

R. P. WHITFIELD in: Geology of Wisconsin,
1873-1879, 4 volume edition, vol. IV, p.230.
pl. VII, figs. 15 and 16.

Endoceras (Cameroceras) subannulatum n. sp.

from the buff limestone of the Trenton group, at
Hess' quarry, near Beloit, Wisconsin.

- Trenton Ls. Rockton, H.C. Powers Coll.
- 2815 *Endoceras subannulatum* Ordov. Cephal.
- 6 *Oncoceras plebium* Ordov. Cephal.
- 7 *Endoceras proteiforme* Trenton Falls, N.Y. Ward's Nat. Sci. Estab. Ordov. Cephal.
- 8 *Gyroceras duplicostatum* Ordov. Cephal.
- 9 *Gyroceras* Ordov. Cephal.
- 2820 *Cyrtoceras lamellosum* Eurystomites? Beloit, Wis. Coll. H.C. Powers. (512) Ordov. Cephal.
- 1 *Orthoceras gregarinus* Cin. Cr. South Western Wis. Ordov. Cephal.
- 2 *Oncoceras alceum* H. Beloit, Wis. (348) Ordov. Cephal.
- 3 *Orthoceras* spec. to illustrate struct. of orthoceratidae Ordov. Cephal.
- 4 (*Cyrtoceras*) *Zitteloceras* sp. (?) M. Ordovician Trenton Ls. Beloit, Wis. Rock County Coll. H.C. Powers. M. Ordov. Cephal.
- 5 *Endoceras?* Ordov. Cephal.
- 6 *Cyrtoceras* Whitfield M. Ordov. Cephal.
- 7 *Endoceras annulatum* Beloit, Wis. Powers Coll. Ordov. Cephal.
- 8 *Oncoceras lycum* Wisconsin? Ordov. Cephal.
- 9 *Oncoceras Pandion* Trenton Ls. Beloit, Wis. Powers Coll. (351) Ordov. Cephal.
- 2830 *Cyrtoceras* Galena Ls. Bay Shores of Pensaukee, Wis. Acad. Sci. (344). Ordov. Cephal.
- 1 *Gyroceras* Ordov. Cephal.
- 2 *Orthoceras* Ordov. Cephal.
- 3 *Isotelus* Minn.
- 4 *Isotelus* Ordov. Tril.
- 5 *Harpes*? Trenton Ls. Beloit, Powers Coll. Ordov. Tril.
- 6 *Bumastus* Trenton Ls. Beloit Powers Coll. (369) Ordov. Tril.
- 7 *Isotelus gigas* Ordov. Tril.
- 8 *Schizocrinus nodosus* Trenton Ls. Beloit Wis. Acad. Sci. Ordov. Crin.
- 9 *Pterygomotopus* Trenton Ls. Beloit Powers Coll. (375) Ordov. Tril.
- 2840 Head of *Asaphus* Trenton Ls. Beloit Powers Coll. (372) Ordov. Tril.
- 1 Reentered as no 1405
- 2 *Calymene senaria* Ordov. Tril.
- 3 *Iliaenus taurus* Trenton Ls. Beloit Powers Coll. (366) Ordov. Tril.
- 4 *Asaphus Barrandi* Trenton Ls. Beloit Powers Coll. (368) Ordov. Tril.
- 2826 *Isotelus* Reading, Ohio. Hyposomes. Coll. H.C. Powers (343) Ordov. Tril.
- 6 Trilobite fragments Galena Ls. Oshkosh, Wis. Wis. Acad. Sci. (399) Ordov. Tril.
- 7 *Thaleops ovata?* Ordov. Tril.
- 8 *Bumastus trentonensis* Ordov. Tril.
- 9 *Asaphus iowensis* Beloit, Wis. Coll. H.C. Powers. Ordov. Tril.
- Bathyrurus exilis* Trenton Ls. Great Bend, Jefferson Co., N.Y. Ordov. Tril.

Galena Ls.

East Branch Ashbrook.

277

2851 *Ceramus pleurexanthemus* Wis. Acad. Sci. Ordov. Tril2852 *Ceramus pleurexanthemus* Ordov. Tril2853 *Glaenus taurus* Ordov. Tril4 *Rhynchonella* Wis. Acad. Sci. (385) Ordov. Brach5 *Orthis tricenaria* Trenton Ls. (202) Ordov. Brach6 *Strophomena camerata* Trenton Ls. Beloit, Wis. Wis. Acad. Sci. (219) Ordov. Brach7 *Streptorhynchus* Trenton Ls. (216) Ordov. Brach8 *Strophomena deflectum* Trenton Ls. Conrad. (203) Ordov. Brach9 *Platystrophia lynx* Galena Ls. Wis. Acad. Sci. Ordov. Brach2860 *Strophomena nutans* Trenton Ls. Beloit, Wis. Powers. Coll. (229) Ordov. Brach1 *Strophomena alternata* Trenton Ls. Con. Wis. Acad. Sci. (217) Ordov. Brach2 *Strophomena incrassata* Trenton Ls. H. Wis. Acad. Sci. (222) Ordov. Brach3 *Camarella Ops.* Bill? Trenton Ls. Wis. Acad. Sci. (719) Ordov. Brach4 *Orthis* Trenton Ls. (822) Ordov. Brach5 *Plectambonites sericea* S. by Richmond, Ind. Wis. Acad. Sci. Ordov. Brach6 *Rhynchotrema capax* C. W. Hall Coll. Ordov. Brach7 *Rhynchonella plena* C. W. Hall Coll. Ordov. Brach

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9 *Cladopora lichenoides* Silur. Corals2870 *Metoptoma patelliformis* Ordov. Gastero1 *Lingula* sp. Unknown, Wis. Acad. Sci. (180) Ordov. Brach2 *Rhynchotrema* Hall Coll. Ordov. Brach3 *Plectothis plicatella* Galena Ls. Wis. Acad. Sci. (197) Ordov. Brach4 *Camptotrochia plena* H. Chazy, N.Y. Chazy Form. Coll. O.L. Sussulich. Ordov. Brach5 *Platystrophia lynx* Galena Wis. Acad. Sci. (193) Ordov. Brach6 *Strophomena sulcata* (?) (Vern) Coll. H. L. Powers (229) Ordov. Brach7 *Hemipronites americanus* Galena Ls. Wis. Acad. Sci. (207) Ordov. Brach8 *Strophomena deltoidea* Trenton Ls. Wis. Acad. Sci. Ordov. Brach9 *Rhynchotrema capax* Con. Trenton Ls. (61) Ordov. Brach2880 *Strophomena planumbona* Ordov. Brach1 *Rhynchonella perlamellata* Trenton Ls. C. W. Hall Coll. (240) Ordov. Brach2 *Streptorhynchus fililexum* Ordov. Brach3 *Orthis* sp. Wis. Acad. Sci. Ordov. Brach4 *Pholidops subtruncata* Galena Wis. Acad. Sci. (182) Ordov. Brach5 *Streptelasma comiculum* H. Ordov. Brach6 *Rafinesquina deltoideum* Con. Galena Ls. Wis. Acad. Sci. (209) Ordov. Brach

- 2887 *Murchisonia bicarinata*. ^{Porter, Sta. Wis.} ^{Beloit, Wis.} Ordov. Brach.
 8 *Lingula quadrata*. ^{Galena Ls. Iowa.} ^{Coll. H.C. Powers.} Ordov. Brach.
 9 *Halmanella testudinaria*. ^{Trenton Ls.} ^{Union Wis. Acad. Sci.} Ordov. Brach.
 2890 *Halmanella* ^{Neenah} *Galena Ls. Neenah. Wis. Acad. Sci. (200)* Ordov. Brach.
 1 *Lingulafalla clowensis*. Ordov. Brach.
 2 *Strophomena filitexta*. ^{Trenton Ls.} ^{Coll. H.C. Powers. (210)} ^{H. Beloit, Wis.} Ordov. Brach.
 3 *Halmanella testudinaria*. Ordov. Brach.
 4 *Orthis tricenaria*. Ordov. Brach.
 5 *Lingula obtusa*? ^{Trenton Ls.} ^{Beloit Wis.} Ordov. Brach.
 6 *Strophomena*. ^{Trenton Ls.} Ordov. Brach.
 7 *Strophomena*. ^{Trenton Ls.} ^{Beloit} ^{Coll. H.C. Powers.} Ordov. Brach.
 8 *Linorthis subquadrata*. ^{Trenton (Galena) Spring Valley, Minn.} ^{Coll. C.W. Hall. (63.)} Ordov. Brach.
 9 *Orthis borealis*. ^{Trenton Ls.} ^{Coll. H.C. Powers.} ^{Billings. Lexington, Ky.} Ordov. Brach.
 2900 *Rafinesquina alternata*. ^{Reading, Ohio.} ^{Coll. H.C. Powers.} Ordov. Brach.
 1 *Halmanella Minneapolis*. ^{Coll. C.W. Hall} ^{St. Paul, Minn.} Ordov. Brach.
 2 *Hebertella occidentalis*. Ordov. Brach.
 3 *Lingula quadrata*. ^{Galena Ls.} ^{Wis. Acad. Sci. (177.)} Ordov. Brach.
 4 *Strophomena deltoidea*. ^{Trenton Ls.} ^{Minn. Pt.} ⁽⁸¹⁰⁾ Ordov. Brach.
 5
 6 *Orthis tricenaria*. Ordov. Brach.
 7 *Platystrophia lynx*. Ordov. Brach.
 8 *Strophomena deflectus*. ^{Trenton Ls.} Ordov. Brach.
 9 *Lingula ederi*. ^{Mpls. Minn. Coll. C.W. Hall.} Ordov. Brach.
 2910 *Platystrophia lynx*. ^{High Bridge, N.Y.} ^{Powers Coll. (1934)} ^{Fich. Trenton Ls.} Ordov. Brach.
 1 *Hebertella occidentalis*. ^{Cinn. Gr. Hartford, Wis.} ^{Coll. H.C. Powers (194)} Ordov. Brach.
 2 *Orthis bellarugosa* H. ^{Trenton Ls.} ^{Wis. Acad. Sci. (188.)} Ordov. Brach.
 3 *Testudinaria*. ^{Galena Ls.} Ordov. Brach.
 4 *Strophomena filitextum*. ^{Trenton Ls.} Ordov. Brach.
 5 *Streptorhynchus deflectum*. Ordov. Brach.
 6 *Halmanella perveta*. ^{Trenton Ls.} ^{Powers Coll. (196.)} Ordov. Brach.
 7 *Strophomena camerata*. Ordov. Brach.
 8 *Lingula*. (180) Ordov. Brach.
 9 *Orthis tricenaria*. Ordov. Brach.
 20 *Orthis* sp. ^{Unknown} ^{Wis. Acad. Sci. (206.)} Ordov. Brach.
 1914 *Rafinesquina deltoidea* Con. ^{Trenton Ls. Trenton Falls, N.Y.} ^{Coll. H.C. Powers. (209.)} Ordov. Brach.
 2 *Rhynchonella (?) quadruplicata*. ^{Trenton Ls.} ^{Powers Coll. (239)} Ordov. Brach.

- 2923 *Orthis tricenaria*. ^{Trenton Ls. Beloit} Powers Coll. (145) ^{Wis. Acad. Sci. (199.)} Ordov. Brach.
- 4 *Linorthis subquadrata*. ^{Trenton Ls. Beloit} Powers Coll. (145) ^{Wis. Acad. Sci. (199.)} Ordov. Brach.
- 5 *Orthis disparilis*. ^{Trenton Ls. Beloit} Powers Coll. (145) ^{Wis. Acad. Sci. (199.)} Ordov. Brach.
- 6 *Halmanella subaequata*. ^{Trenton Ls. Beloit} Powers Coll. (145) ^{Wis. Acad. Sci. (199.)} Ordov. Brach.
- 7 *Halmanella puveta*. ^{Trenton Blue Sh. Beloit} Powers Coll. (145) ^{Wis. Acad. Sci. (199.)} Ordov. Brach.
- 8 *Halmanella puveta*. ^{Trenton Blue Sh. Beloit} Powers Coll. (145) ^{Wis. Acad. Sci. (199.)} Ordov. Brach.
- 9
- 2930 *Cypriardites* sp. ^{upper Salina} Ordov. Pelec.
- 1 *Euomphalus Strongi*. ^{Hudson R. Sh. Ohio. Coll. H.C. Powers (1929)} Ordov. Pelec.
- 2 *Maclyrea Bigsbyi*. ^{Trenton Ls. Beloit, Wis.} Ordov. Gastero.
- 3 *Murchisonia tririnata*. ^{Trenton Ls. Beloit, Wis.} Ordov. Gastero.
- 4 *Bellerophon bilobatus*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 5 *Bucania bidorsata*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 6 *Bellerophon bilobatus*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 7 *Euomphalus Strongi*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 8 *Tentaculites* sp. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Pteropods.
- 9 *Cyrtolites compressus*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 2940 *Bellerophon bilobatus*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 1 *Cypriardites* sp. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 2 *Bellerophon bilobatus*. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 3 *Cypriardites* sp. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
- 4 *Cypriardites* sp. ^{Trenton Ls. Beloit, Wis. Coll. H.C. Powers (309)} Ordov. Gastero.
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- 10254 *Stomatopora cethola*. ^{Trenton Ls. High Bridge, N.Y.} Conrad. ^{Coll. H.C. Powers. (195.)} Ordov. Brach.
- 9 *Linorthis pectinella*. ^{Trenton Ls. High Bridge, N.Y.} Conrad. ^{Coll. H.C. Powers. (195.)} Ordov. Brach.
- 10255 *Fistulipora notata*. ^{Der. Coniferae} Des. ^{Coll. H.C. Powers. (195.)} Ordov. Brach.
- 10246 *Adopora fisheri*. ^{Hamilton J. Widdell, Canada} Bell. ^{Coll. H.C. Powers. (195.)} Ordov. Brach.
- 10257 *Monotrypa fibroglora*. ^{Der. Columbus, Ohio.} St. ^{Coll. H.C. Powers. (195.)} Ordov. Brach.
- 10256 *Xerostella nervosa*. ^{Der. Columbus, Ohio.} Hall. ^{Coll. H.C. Powers. (195.)} Ordov. Brach.

- $\frac{0}{10355}$
 2959 *Spirifer mucronatus* Chenung Chautauque Co., N.Y.
- $\frac{0}{10358}$
 2960 *Spirifer mucronatus* Hamilton Albion, Ont.
- $\frac{0}{10296}$ X *Rhynchonella stephani* Chenung East Point, Pa.
- $\frac{0}{10295}$ X *Schizophoria iowensis* Des. Iowa Powers.
- $\frac{0}{10362}$ X *Productella striata* Des. Chenung Chautauque Lake, N.Y.
- $\frac{0}{10356}$ X *Eusella brachloeni* Des. N.Y.? Powers.
- 5
- $\frac{0}{10312}$ X *Chonetes setigera* Hamilton, W. Eaton, N.Y.
- 7
- $\frac{0}{10308}$ X *Strophodontia epilis* Des. Line Creek, Iowa.
- $\frac{0}{10363}$ X *Productella lochnyssa* Chenung, East Point, Pa. Powers.
- 2970
- 1
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- $\frac{0}{10364}$ X *Amboecia unboata* Des. Hamilton sh. N.Y.
- 5
- 6
- 7
- 8
- $\frac{0}{10311}$ X *Chonetes setigera?* Hamilton Pompey, N.Y.
- 2980 *Chonetes*, Hamilton Cr. Pompey, N.Y. Devon. Brach.
- $\frac{0}{2347}$ X *Lithodonus wilsoni*, L. Dodge. Colorado, France. Krantz.
- 5 2 *Strophodontia reticularis* - Milwaukee, Wis. Dev. Brach.
- $\frac{0}{10304}$ X *Strophodontia erratica* Hamilton Grap. Little Traverse Bay, Mich.
- $\frac{0}{10344}$ X *Spirifer pennatus*, Hamilton Cr. Devon. Brach.
- $\frac{0}{10347}$ X " *disjunctus* Chenung " N.Y.
- 6 removed
- $\frac{0}{10354}$ X *Spirifer mucronatus* Hamilton Pompey, N.Y.
- $\frac{0}{10292}$ X *Tropidoleptus cinctus*. Hamilton Oswego Lake, N.Y.
- R...
 re-entered: New no. $\frac{0}{1518}$.
- 2990
- 1
- $\frac{0}{10338}$ X *Spirifer mucronatus* etc. Des. Hamilton Onondaga Co., N.Y.
- $\frac{0}{10354}$ X " " " " Pompey, N.Y.
- 4.

2995

6

7

8

9

3000

See 3003

10373

Phorops rara Hamilton Onondago Co., N.Y. Key Coll.

10372

Phacops latifrons ^{Gerolstein, Germany. L. Devonian.} Coll. G. M. Clements, Balconia, N.Y. Key Coll. Tril.

10374

P. ¹⁰³⁶⁶ ~~Phacops~~ ^{reticularis} Hamilton Otisco, Onondago Co., N.Y.

10375

Phorops rara Der. Conifers Columbus, O. Sussulid

10376

Diphyphyllum ^{Hamilton} archiaci ^{Widder, Canada.} Der. Coral

exch. Russell

10377

Cladopora fisheri Bill. exch. J.C. Russell Ann Arbor, Michigan

10378

Favosites placenta Rom. " " about 1843 " "

10379

Grinoid stems ^{St. Louis, Mo. Lawrence Co., Ind.} Geodized. (Sub-Carbon) Carb. Crinoid

10380

Neuropteris hirsuta Liesg. Penn. Coal measures Mazon Creek, Ill.

10381

Platycrinus hemisphericus Miss. Crinoids

10382

Spirifer ^{St. Louis, Mo. Bella, Pa. N. of Chic.} pinata Atur. (Mucronata) Con. Hamilton Group Arcona, Ont.

10383

Seminula subquadrata Penn. Brach.

10384

Composita subquadrata St. Louis Ls. (Meramec) Coll. F. A. WILDER Ft. Dodge, Ia.

10385

Silicified wood Fort Simcoe, Washington

10386

Silicified wood Fort Simcoe, Washington

10387

Silicified wood Fort Simcoe, Washington

10388

Silicified wood Fort Simcoe, Washington

10389

Silicified wood Fort Simcoe, Washington

10390

Hemimactra lenticularis Pelson.

10391

Halysites catenulatus, Lin. Niagara, Drummond Island, Mich.

10392

Favosites flavosus Goldfuss, Drummond Island, Michigan

10393

Coenostroma (Stromatoporeid) pustulifera Winchell

10394

Coenostroma (Stromatoporeid) monticuliterum Devonian, Hamilton Group, Little Traverse Bay, Michigan

10395

Favosites hamiltonensis, Rom. Devonian, Hamilton Group, Petoskey, Michigan

10396

Favosites nitella Winchell, Devonian Hamilton Group, Little Traverse Bay, Michigan

10397

Diphyphyllum panicum, Devonian, Hamilton Group, Petoskey, Michigan

10398

Cyathophyllum davidsoni, M.-Ed. Devonian Hamilton Gr. Mich.

10399

Cyathophyllum houghstoni, Rom. Devonian Hamilton Gr. Mich.

10400

Steliophyllum halli, E & H Hamilton Gr. Widder, Canada

10401

Cystiphyllum americanum E & H Hamilton Gr. Widder, Canada

10402

Cystiphyllum americanum E & H Hamilton Gr. Widder, Canada

10403

Cystiphyllum americanum E & H Hamilton Gr. Widder, Canada

10404

Cystiphyllum americanum E & H Hamilton Gr. Widder, Canada

3031.

HOBBS, WILLIAM HERBERT:

The Newark System of the Pomperaug
Valley, Connecticut.21st Annual Report of the U.S. Geol.
Survey, Part 3, 1899-1900, Publ. 1901.
Plate IV A.Seminotus tenuiceps AGASSIZ immature
Triassic. - Red Spring, Connecticut

Specimen donated to W. H. HOBBS

by HENRY M. CANFIELD. Collected: 1899.

Identification: C. R. EASTMAN

Dept. of Geology and Geophysics

University of Wisconsin-Madison

3031.

3035.

HOBBS, WILLIAM HERBERT:

The Newark System of the Pomperaug
Valley, Connecticut. - 21. Annual
Report of the U.S. Geol. Survey, Part 3,
1899-1900; published 1901. Plate IV B.Seminotus fultus AGASSIZ

Triassic. - Connecticut

(Red Spring / South Britain / Durham,
Connecticut ?)

Collector: D. J. PIERCE, 1899.

Identification: C. R. EASTMAN.

Dept. of Geology and Geophysics

University of Wisconsin-Madison

3035.

*Seminotus Fultus**Twenty first Annual Report U. S. G. S.*
*Part III.**Hobbs The Newark System*
Pl. IV

Figured in
HOBBS, WILLIAM HERBERT:
The Newark System of the Pomperaug
Valley, Connecticut. - 21. Ann. Rept., U. S. Geol.
Survey, Pt. III, 1901. Plate IV A

- 3031 *Semionotus tenuiceps* AGASSIZ *Trias* *Fish*
 2707 *Calopteris gracilis*. *Trias*. Durham, Conn.
 2708 *Dictyopyge Macrura* *Trias* *Fish*
 4 *Monticulipora* sp. ? *Cincinnati Group* Bay de Marquette, Michigan
 5 *Semionotus fultus* Agassiz. Figured in HOBBS, W. H., 1901 *Fish*
 (See Reference to #3031. *Triassic*. Connecticut)
 2712 *Coprolite + Calamite*. *Trias*. Durham, Conn.
 2705 *Calopteris fultus* *Trias*. Durham, Conn.
 8 *Calopteris gracilis* *Trias* *Fish*
 2711 *Coprolite* *Trias*. Durham, Conn.
 3040
 2710 *Calopteris* *Trias*. Durham, Conn.
 2709 *Calamite* stem - *Trias*
 3 *Ptycholepis marshii*. *Triassic*. Durham, Conn. *Sphen.*
Semionotus tenuiceps (fish-scales) - and *Calamites* sp. (plant) *Hobbs: The Newark System, Pt. III*
Triassic (Newark). Durham, Connecticut. *Ref.: 21st Ann. Rept. U.S.G.S., Pt. III*
 ("Sponges") *Spongia cylindrica* (Malm.) *Wiesensteig* *Wartenberg*, *S. Germ.*
 2676 *Therapsid* *Wartenberg*
 2681 *Therapsid* *Wartenberg*
 2688 *Therapsid* *Wartenberg*
 7
 8
 417 *Conatula pinnata* Goldf. *Jurassic*. Solenhofen, Bavaria
 2581 *Lias, Eng.* (whitish)
 2540 *Pentacrinus asteriscus?* *Jurassic* *Crinoid*
 2523 *Rhynchonella varians*. *Oolite*, Baden, Germany. *Powers*
 2538 *Terebratula humeralis*, Low. Kimmeridgian; Near Kalefeld. *Dr. Klemm*
 4 *Rhynchonella lomosa* U. *Oolite*. Germany. *Powers*
 (*Zeckstein*) *Poesneck in Thuringia*
 4 *Productus horridus*, Sou. Germany *Permian* *Brach.*
 483 *Waldheimia pella*, *Oolite*. Vils, Tyrol. *Powers*
 2539 *Rhynchonella incertans* DIO. *Oolite*. Reibheim, Bavaria
 2489 *Terebratula punctata*. Mid. *Lias*. Kalefeld near Echte, Hanover
 2525 *Terebratula antiplecta*, L. *Oolite*, Vils, Tyrol. *Powers*
Oolite Puzos, Sauter
 9 *Terebratula Schmanni* *Juras.* *Brach.*
 2524 *Terebratula bullata*, *Oolite*, Randerjungen. H. C. Powers.
 493 *Terebratula*. *Oolite* Germany. *Powers*
 2494 *Terebratula bisuffaricata* L. *Oolite* Radin. H. C. Powers.
 2546 *Rhynchonella incertans* *Jurassic*. Brunswick, Ger.
 4
 2536 *Rhynchonella lacunosa* var. *visubia* U. *Oolite*. *Wald & Howell* *Poland*
 2543 *Rhynchonella spathica*. L. *Oolite*, *Eden, Ore.* *Powers*

- ¹⁰
²⁴⁸⁸
 3067 *Terebratula andleri* U. Lias. "Assil" Germany. Povers.
 (Collette, S. France) Sully, Bayeux, Fr. Dept. Calvados.
 8 *Terebratula sphaeroidalis* ^{Sen.} Jurassic - Brach.
- ¹⁰
²⁶⁷⁷ 9 *Spongitia glomerata*. M. Oolite. Southern, Württemberg, Ward & Howell.
- ¹⁰
²⁴⁷⁸⁻⁸³ 3070 Brachs. + pelag. from Nipp near Bopfingen, Württemberg.
²⁵⁴⁴ 10 *Rhyzonella varians*, Dogger, Jurassic. Ipf near Bopfingen, Germany.
- 2 *Brach.*
 3
- ¹⁰
²³⁶³ 4 *Nucula palmi* Lias. Kirchheim, Württemberg. Stutz.
- 5 *Brach.*
- ¹⁰
²³⁹⁶ 6 *Pecten globosus* fiter, Lias. Göppingen, Württemberg. Stutz.
- ¹⁰
²³⁶² 7 *Nucula hamneri*. L. Oolite. Bundershofen, Germany. W. H. H.
- 8 *Ancella mosquensis* ^{Moscow, Russ. Dr. F. Kriantz.} Buch. Malm. Jurassic. Pelec.
- ¹⁰
²³⁸⁷ 9 *area* Lias. Lurene. W. H. H.
- ¹⁰
²³⁶² 3080 *Nucula hamneri* Dep. L. Oolite. Bundershofen, near Stuttgart.
- 1 *Plicatula spinosa* Eiskinger, ser. Juras. Pelec.
- ¹⁰
²⁰⁰⁶ 2 *Belemnites pistifolius* mid. Lias. Germany. H. C. Povers.
- ¹⁰
²⁶⁸⁹ 3 *Ammonites Congbiani*, Lower Lias. H. C. Povers.
- ¹⁰
²⁰⁹³ 4 *Perisphinctes polyplax* ^{Orthosphinctes tiziani} ^{OPPEL, 1863 species} ^{type} ^{up. Jurassic} ^{Malm, Weissjura. S. Germany} ^{Ceph.}
- ¹⁰
²⁰⁸⁵ 5 *Ammonites argutus*, Schlot. + *Pleurotonaria rotellaeformis*, Drake. Lias.
- ¹⁰
²⁰⁴⁸ 6 *Ammonites Herbyi* (?) ^{Sour.} M. Lias. ^{Lyme Regis, Eng.} Ward & Howell.
- ¹⁰
²⁰⁵⁰ 7 *Aegonites subnatum*, M. Lias. Öttingen, Germany.
- ¹⁰
²⁰⁰⁷ 8 *Anallhus margaritatus* Lias. Esslingen bei Stuttgart.
- ¹⁰
²⁰⁹⁷ 9 *Belemnites papillosus*. Lias. Schwaben.
- ¹⁰
²⁰⁹⁷ 10 *Ammonites bullatus*. Br. Jura, E. Lauffen.
- ¹⁰
²⁰⁹⁷ 11 *Perisphinctes polyplax* ^{Malm. Braunenberg, ser.} Jurassic Ceph.
- ¹⁰
²⁰¹² 12 *Belemnites* Lias. Whithy, Eng. H. C. Povers.
- ¹⁰
²⁰⁸⁷ 13 *Polymerphite polymorphus* Lue. na. quadrata. Mid. Lias. Öttingen, Germany.
- ¹⁰
²⁰⁵⁶ 14 *Opsalia* sp. Jurassic, Malm. Ipf near Bopfingen, Germany.
- ¹⁰
²¹⁰⁰ 15 *Ammonites planorbis*, Lias. Schwaben.
- ¹⁰
²¹⁰⁰ 16 *Orthosphinctes* sp. ^{1817 type species} ^{Lower Jurassic} ^{Pitensbachian} ^{J. M. Clement} ^{S. Germany}
- ¹⁰
²¹⁰⁰ 17 *Ammonites fimbriatus* (Sowerby) ^{Charmouth, Eng.} Ward & Howell.
- ¹⁰
²¹⁰⁰ 18 *Belemnites papillosus*, Voltz. Lias. Esslingen near Stuttgart, Germany.
- ¹⁰
²¹⁰⁰ 19 *Ammonites* & *Bivalves* (Clams) ^{(East of Göppingen), Württemberg, S. W. Germany} ^{J. M. Clement} ^{H. C. Povers}
- ¹⁰
²¹⁰⁰ 20 *Belemnites irregularis*, Lias. Bavi. Oberfranken.

- ¹⁰
~~2067~~
 310 ~~3~~ *Unula*. Lias. Eisingen near Stuttgart, Germany. J. M. Clemen
 4 *Oppelia* cf. *flessura*, v-B. Jurassic (Malm) Bopfingen, Germany. J. M. Clemen
¹⁰
 2047 ~~5~~ *Aegoceras submuticum* var. *Opp.* sp. Mid. Lias. Oettingen, Germany. J. M. Clemen
¹⁰
 2053 ~~6~~ *Macrocephalites macrocephalus*, Middle Oolite, Wurttemberg. Ward & Howell
¹⁰
 2023 ~~7~~ *Nautilus semistriatus* Lias, Lyme Regis, England. Ward & Howell
¹⁰
 2065 ~~8~~ *Ischyroceramus trigonodon*, Lias, Malm, Solenhofen, Bavaria, Germany
 9 *Fossil fruit* Lias Lyme Regis, England
¹⁰
 311 ~~0~~ *Echinids*, Cret. Island of Moen, Denmark. Echinoid.
 + Disposed
¹⁰
 121 ~~8~~ *Cissidulus* sp. Cretaceous. France.
¹⁰
 2575 ~~8~~ *Anarchytes ovata*, white (upper) Chalk, Elsenburg, Prussia. Pres. by John Bille
 4 Cretaceous, Island of Moen, Denmark
¹⁰
 2125 ~~8~~ *Echinoconus* sp. Cretaceous. France?
 sand. Cambridge.
 6 *Terebratulina biplicata* Powers Cretaceous Brachiopod
¹⁰
 2340 ~~7~~ *Trigonia*?, Cretaceous, Franceville, Col. Powers.
¹⁰
 2370 ~~8~~ *Arceopogon texana* Cretaceous. Comanche & Lampasas Hills, Tex.
¹⁰
 2374 ~~8~~ *Pholodonta* sp. Chalk.
 3120 ~~Discarded~~
¹⁰
 2390 ~~8~~ *Isocyamus*? Cret. Pueblo, Col. H.C. Powers.
~~8~~
¹⁰
 2394 ~~8~~ *Isocyamus*, Cret. Powers.
¹⁰
 2424 ~~8~~ *Exogona costata* Cretaceous Pelicypod.
¹⁰
 2421 ~~8~~ *Gryphaea* sp.
¹⁰
 2464 ~~8~~ *Potamides diadema* Gabb. Cret. Shasta Co., Cal. Ward's.
¹⁰
 2038 ~~7~~ *Baculites compressus*. Cretaceous, South Fork, Cheyenne R., Lawrence Co., S.D.
¹⁰
 2045 ~~8~~ *Baculites anceps*? Cheyenne R. Cret. Ammonoids
~~9~~
 3130 *Is. of Moen, Den. Pres. by J. Bille, Hillside.* Cretaceous
~~15~~ ~~1~~ *Belamnitella* ~~4~~ ¹⁰2014 *Upp. Cret. Libranchia*
~~2~~ ~~2~~ *Pagonychus Woolgari*. *"Muk" Powers.* Discarded. *Upp. Cret. Ammonoids*
~~3~~
¹⁰
 2063 ~~4~~ *Preonocyclus Woolgari*. *"Muk" Vermillion, Dakota.* Powers. *Upp. Cret. Ammonoids*
¹⁰
 2062 ~~5~~ *Schlotheimia multicastra* Anderson, Upp. Cret., Chico, Phoenix, Ore. J.P. Smith 1898
~~6~~ *Desmoceras bendanti* Shasta Co., Calif. Cret. Cephalopod.
¹⁰
 2720 ~~8~~ *Otodus appendiculatus*. Senonian, Kent, Eng. Knap
¹⁰
 2721 ~~8~~ *Corax* sp. Cret. Western Kan. Powers

3139

3140

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Daphniphyllum angustifolium ^{Dakota do.} Ellsworth Co., Kan. (Snow Coll)

3150

Aspidophyllum trilobatum ^{Dakota do.} Ellsworth Co. Kan ^{Snow}

1

2

3

4

5

6

^{Dakota do.} Ellsworth Co. Kan.

wood Cret. Bigge Co., Colo. Powers.

wood Cretaceous Bigge Creek, Colo. Powers

wood Cretaceous Bigge Creek, Colo. Powers

 $\frac{10}{20289}$

Osteroides cauliferus, Gabb., Jegg's Landing, Alabama

 $\frac{10}{20293}$

Lunulites Boiei, Lea, Eocene, Claiborne, Ala.

 $\frac{10}{20292}$

Lunulites Duclosii Lea, Eocene, Claiborne, Ala.

 $\frac{10}{20291}$

Flabellum Maclurei, Lea. ^{Claiborne, Ala. U. of Ala.} Eocene. Corals

 $\frac{10}{20277}$

Eocene. Nanafalia, Ala. J.M. Clements.

 $\frac{10}{20229}$

Astarte sulcata Lea. Eocene. Claiborne, Ala. Clements.

 $\frac{10}{20173}$

Meretrix sayana, Con. Claiborne fm. Eocene Claiborne, Ala. U. of Ala.

 $\frac{10}{20204}$

Venericardia planicosta Lark. Eocene. Jegg's Landing, Ala. W.H.F.

 $\frac{10}{20176}$

Meretrix aequora ^{bydii}, Eocene, Matthew's Landing, Ala. Clements.

 $\frac{10}{20196}$

Glycymeris settoidea Lea. Eocene Claiborne, Ala. Clements.

 $\frac{10}{20233}$

Nucula sp. Eocene, Claiborne, Ala.

 $\frac{10}{20174}$

Meretrix suberosa Eocene. Knight's Branch, Claiborne Co., Ala.

 $\frac{10}{20246}$

Meretrix grayi Eocene. Claiborne, Ala. Clements.

 $\frac{10}{20234}$

Corbis fimbriata Eocene. Claiborne, Ala. Clements.

 $\frac{10}{20230}$

Astarte nichlinii Lea. Eocene Claiborne, Ala. Clements.

 $\frac{10}{20172}$

Meretrix globosa Lea. Eocene Claiborne, Ala. J.M. Clements

 $\frac{10}{20172}$

Pectunculus stamineus, Con. Eocene. - ^{Claiborne, Ala. Coll. J.M. Clements.} Pelecy.

 $\frac{10}{20180}$

Leda protesta Con. Eocene, Wood's Bluff, Ala. Clements.

- ⁰
¹⁰
²⁰²²⁵
³¹⁷⁵ *Crassatella protista* Eocene. Claiborne, Ala. Clement.
 Claiborne, Ala.
¹⁰
²⁰²⁶¹ *Crassatella atta* Coll. J. M. Clements Eocene. Pelecy.
¹⁰
²⁰²³⁵ *Corbula oniscus + rugosa* Eocene Claiborne Ala. Clement.
¹⁰
²⁰⁷⁸ *Cytherea - Murchisoni* bydii Lea. Eocene, Claiborne, Ala. Clement.
¹⁰
²⁰²⁴¹
²⁰²³² *Nucula sedgwicki* Lea. Eocene Claiborne, Ala. Clement.
¹⁰
²⁰²⁰¹ *Cardita rotunda* Lea. Eocene Claiborne, Ala. Clement.
¹⁰
²⁰²³⁷ *Corbula murchisoni* Lea. Eocene Claiborne, Ala. Clement.
¹⁰
²⁰¹⁷⁵ *Murchisoni nuttalliopsis* Eocene. Woods Bluff, Ala. Clement.
 Claiborne, Ala. U. of Ala.
¹⁰
²⁰²¹⁹ *Glycymeris Broderipii* Lea. Eocene. Pelecy.
¹⁰
²⁰²³⁶ *Lucina compressa* Eocene, Claiborne, Ala. Clement.
¹⁰
²⁰²³⁶ *Corbula alabamensis* Lea. Eocene. Claiborne, Ala. Clement.
¹⁰
²⁰²⁴³ *Glycymeris thursae* Eocene. Nanafolia, Ala. Clement.
¹⁰
²⁰²⁴⁹ *Plicatula Mantelli* Lea. Claiborne, Ala. Eocene. Pelecy.
 U. of Ala. Clement.
¹⁰
²⁰⁰⁹⁶ *Turritella praecincta*, Conn. Eocene. Gastro.
 Gregg's Landing, Ala. U. of Ala.
¹⁰
²⁰²⁶⁸ *Aff. Fusus irrosus*. Conn. Eocene. Gastro.
 Claiborne, Ala.
¹⁰
²⁰⁹⁴⁶ *Voluta fetrosa* Eocene.
¹⁰
²⁰⁹⁹⁷ *Cerithium striatum*, Lea. Eocene. Claiborne Ala. J. M. Clement.
¹⁰
²⁰⁹⁹⁷ *Aporrhais gracilis*, Ald. Eocene. Gregg's Landing, Ala. Clement.
¹⁰
²⁰⁹⁹⁷ *Turritella mortoni* Con. Eocene, Gregg's Landing, Ala. Clement.
¹⁰
²⁰⁰⁶⁹ *Bulla galba* Con. Eocene. Claiborne Ala. Clement.
¹⁰
²⁰¹¹⁵ *Pygula multangulata* Heilpr. Eocene. Gregg's Landing, Ala. Clement.
¹⁰
²⁰⁷⁷⁵ *Solarium delphinuloides* Heilpr. Eocene, Woods Bluff, Ala. Clement.
¹⁰
²⁰⁰⁵⁷ *Anullaria scabra*, Con. Eocene. Claiborne, Ala. Clement.
¹⁰
²⁰⁰³⁰ *Natica striata* Lea. Eocene. Claiborne, Ala. Clement.
¹⁰
²⁰⁰⁶⁸ *Nitro bolars* Con. Eocene, Claiborne, Ala. Clement.
¹⁰
²⁰⁰⁶⁵ *Pygula cancellata*, Eocene Claiborne, Ala. Clement.
¹⁰
²⁰⁰⁶⁵ *Trochus ornatus*. Calcaire grossiere, Chassy. Eocene. Gastro.
 Lam. H. Coll. B. Sturtz. L. M. Clements.
¹⁰
²⁰⁰⁶⁵ *Pleurotoma accuminata*. Eocene. Gregg's Landing, Ala. Clement.
¹⁰
²⁰⁰⁵⁵ *Natica yllora* Lea. Eocene. Claiborne, Ala. J. M. Clements.

- $\frac{10}{20070}$ 32 11 *Pyrgula multangulata* Heilpr. Eocene. Wood's Bluff, Ala. Clements.
- $\frac{10}{20025}$ X *Lacvivucinum lineatum* Heilpr. Eocene. Claiborne, Ala. Clements.
- $\frac{10}{20110}$ X *Voluta sayana* Wood's Bluff or Boshie Marl, Walker Co., Ala. Eocene. Clements.
- $\frac{10}{20075}$ X *Rostellaria Lamarckii* Lea. Eocene, Claiborne, Ala. Clements.
- $\frac{10}{20053}$ X *Natica aculeata* Con. Eocene. Wood's Bluff, Ala. Clements.
- 6
- $\frac{10}{20023}$ X *Infundibulum trochiformis*. Eocene, Wood's Bluff, Ala. Clements.
- $\frac{10}{20052}$ X *Natica reusa*, Whitf. Eocene. Gregg's Landing, Ala. J. M. Clements.
- $\frac{10}{20016}$ X *Fusus subscolarius* Heilpr. Eocene, Wood's Bluff, Ala. J. M. Clements.
- $\frac{10}{20049}$ 32 27 *Marginella crassilabris* Lea. Eocene, Claiborne, Ala. U. S. N.
- $\frac{10}{20060}$ X *Pleurostoma morifera* Lea. Eocene, Wood's Bluff, Ala. Clements.
- 2
- $\frac{10}{20045}$ X *Natica Mammilla* Lea. Philippine Islands. J. M. Clements Coll. Claiborne, Ala. U. S. N.
- $\frac{10}{20045}$ X *Lingula anatina* L.H. Recent. Modern Molluscoride.
- $\frac{10}{20024}$ X *Infundibulum trochiformis* Con. Eocene, Claiborne, Ala. Clements.
- $\frac{10}{20076}$ X *Rostellaria trinodifera* Con. Eocene. Wood's Bluff, Ala. Clements.
- $\frac{10}{20111}$ X *Voluta sayana*, Con. Eocene. Claiborne, Ala. Clements.
- $\frac{10}{20029}$ X *Marginella orata* Lea. Eocene, Claiborne, Ala. Clements.
- $\frac{10}{2785}$ X *Buccinum souleyi*, Lea. Eocene. Claiborne Ala. Clements.
- $\frac{10}{2776}$ 9 *Aucillaria stamineus*, Con. Eocene. Claiborne, Ala. U. S. N.
- $\frac{10}{20218}$ 32 30 *Venericardia planicosta* Eocene. Choctaw Corner, Claiborne Co., Ala. Clements.
- 1
- $\frac{10}{20063}$ X *Pleurostoma nodocarinata*, Eocene. Wood's Bluff, Ala. Clements.
- 3
- $\frac{10}{20063}$ X See 3232
- 5
- $\frac{10}{20112}$ X *Clavilithes varicosa* Eocene. Wood's Bluff, Ala. J. M. Clements.
- $\frac{10}{20112}$ X *Voluta newcombiana*, Eocene, Bell's Landing, Ala. J. M. Clements.
- 7
- $\frac{10}{20091}$ X *Turritella lineata* Lea. Eocene. Wood's Bluff, Ala. Clements.
- $\frac{10}{20036}$ X *Monoceras retusta* Con. Eocene, Claiborne, Ala. J. M. Clements.
- $\frac{10}{20035}$ 32 40 *Fusus interstinctus*, Heilpr. Eocene, Wood's Bluff, Ala. J. M. Clements.
- 1
- $\frac{10}{20109}$ X *Voluta pica*, Con. Eocene, Claiborne, Ala. Clements.
- 3
- $\frac{10}{20046}$ X *Natica semilunata*. Eocene. Cave Branch, Ala. J. M. Clements.
- 5
- 6

- $\frac{0}{20116}$ 3247 *Dentalium mulestria* Kelep. Eocene, Chelox, Ind. Wood Bluff, Ala. Clem. S.
- $\frac{0}{20077}$ 8 *Siliquaria clabornensis*. Eocene. Claiborne, Ala. Clem. S.
- $\frac{0}{20117}$ 9 *Dentalium alternatum* Eocene, Claiborne Ala. Clem. S.
- $\frac{0}{20056}$ 3250 *Natica alabamensis* Whitf. Eocene. Gregg's Landing, Ala. Clem. S.
- $\frac{0}{20032}$ 4 *Mitra parvulus* Con. Eocene, Claiborne, Ala. Clem. S.
- $\frac{0}{20048}$ 8 *Natica (Ampullina) sigaretus* Im. Mid. Eocene; Gignon, France. J. M. Clem. S.
- 3 Penn. Scranton, Pa.
- $\frac{0}{20317}$ 4 *Priscacara serrata* Copi Eocene Ft. Bridge Wyoming.
- $\frac{0}{20314}$ 5 *Diplomystus altus* (fish) Eocene. Helena, Mont.
- 6
- 7
- $\frac{0}{20325}$ 8 *Carcharodon megalodon* Pliocene. Ashly Co., S. C. New Coll.
- $\frac{0}{20326}$ 7-X *Lepidostrobus europaeus*, Oligocene, Salcedo, Italy Word & Howell
- $\frac{0}{20330}$ 1-2-3-4 *Carcharodon*, *Oxyrhina*, *Carcharias*, *Hemipristis*, *Galeorhinus*, etc. Eocene. Charleston, S. C. New Coll.
- $\frac{0}{20221}$ 3 *Lucina reticulata* Poli. Miocene, Vöslau near Vienna, Austria. II medit. Stage. J. Morgan Clem. S.
- $\frac{0}{20239}$ 4 *Corbula gibba*, Olivi. Miocene, Vöslau near Vienna, Austria. II medit. Stage. J. Morgan Clem. S.
- $\frac{0}{20200}$ 5 *Cardium Turonicum* Mayer " " " " "
- $\frac{0}{20222}$ 6 *Lucina columbella*, Lam. II medit. Stage. Mid. Miocene, Vöslau near Vienna, Aust.
- $\frac{0}{20165}$ 7 *Arca Turonica*, Dry. " " " " "
- $\frac{0}{20202}$ 8 *Cardita Partschii* Goldf. II medit. Stage. Mid. Miocene, Vöslau near Vienna, Austria.
- 9
- $\frac{0}{20264}$ → 20159 *Turritella* II medit. Stage. Mid. Miocene. Vöslau near Vienna, Austria. J. M. Clem. S.
- $\frac{0}{20034}$ 1 *Mitra scrobiculata* Brocc. II medit. Stage. Mid. Miocene, Vöslau near Vienna, Austria.
- $\frac{0}{2089}$ 2 *Cancellaria lepta*, Brocc. Miocene, Vöslau near Vienna, Austria.
- $\frac{0}{20066}$ 3 *Pleurotoma cataphracta* Broc. II medit. Stage. Mid. Miocene, " " " "
- $\frac{0}{20049}$ 4 *Natica Josephina* Riss. (II medit. Stage) Mid. Miocene, Vöslau near Vienna, Austria.
- $\frac{0}{20062}$ 5 *Pleurotoma obeliscus* Des Moul. II medit. Stage. Mid. Miocene, Vöslau near Vienna, Aust.
- $\frac{0}{20082}$ 6 *Strophotoma tucannata* a. Braun. Landzschneckenballe. Miocene, Flörsheim, Germany. Don. Andreas
- $\frac{0}{20037}$ 7 *Murex subvaratus* Bast. II medit. Stage. Miocene, Vöslau near Vienna, Austria.
- $\frac{0}{20012}$ 8 *Cyclotoma antiqua* Braun. Miocene (Landzschneckenballe), Flörsheim, Germany. Don. Andreas
- $\frac{0}{20044}$ 9 *Nassa reticulatum* Linn. II medit. Stage. Mid. Miocene, Vöslau near Vienna, Austria.
- $\frac{0}{20083}$ 3283 *Mitra Bronni* Mich. II medit. Stage. Mid. Miocene, Vöslau near Vienna, Austria.
- $\frac{0}{20043}$ 2 *Pleurotoma monilis* Mid. Miocene, Vöslau near Vienna, Austria. (II medit. Stage)
- $\frac{0}{20043}$ 2 *Nassa mutabile*, Linn. (II medit. Stage) Miocene, Vöslau near Vienna.

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²⁰⁰⁰¹
 3283 *Chenopus pes pelucani*, Phil. ^{II Medit. Stage} Mid. Miocene, Vöslau near Vienna, Aust.
- ¹⁰
²⁷⁹⁰ X *Cancellaria cancellata*, Lin. " " " "
- ¹⁰
²⁰¹⁶¹ X *Cassio saburovi*, Lam. ^{II Medit. Stage} Middle Miocene, Vöslau near Vienna, Austria.
- ¹⁰
²⁰⁰⁸⁴ X *Terebra pertusa* Bast. ^{II Medit. Stage} Miocene, Vöslau near Vienna, Austria.
- ¹⁰
²⁷⁹⁶ X *Erithium*, Pliocene (Sarmatische Stufe), Mussdorf, Germany.
- ¹⁰
²⁷⁷⁹ X *Ancillaria obsoleta* Brocc. ^{II Medit. Stage} Mid. Miocene, Vöslau near Vienna, Aust.
- ¹⁰
²⁰⁰⁴⁷⁹ *Natica (Cemina) compressa* Bast. ^{II Medit. Stage} Mid. Miocene, Vöslau near Vienna, Austria.
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²⁰⁰⁰⁸⁶ *Trochus (Opistele) patulus* Brocchi, ^{II Medit. Stage} Mid. Miocene, " " " "
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²⁰⁰⁵⁰ X *Natica (Lunatia) helicina* Brocc. " " " "
- ¹⁰
²⁰⁰⁰⁸⁸ X *Conus Dujardini* Desh. ^{II Medit. Stage} Mid. Miocene, Vöslau near Vienna, Austria.
- 3 *Murex (Typhis) fistulosus*, ^{Brown} Miocene. ^{Coll. J.M. Clements.}
- 4 *Conus Mercati* Brocc. ^{II Medit. Stage} (2 Medit. Stage) Vöslau near Vienna, Austria. ^{J.M. Clements. Coll.}
- ¹⁰
²⁰⁰⁸⁷ X *Turbo (Bolina) rugosa*, Linn., Pliocene, Palermo, Italy.
- 6
- 7
- 8 *Halobia Sommeili*
- 9
- 3300 *Muschelkalk Trias, Ger.*
magellania vulgaris Trias. Brach.
- 1
- ¹⁰
²⁶⁶⁵ X *Lingula tenuissima*. Lettenhohle, Trias. Wimpfen, Baden. ^{J.H. Clements.}
- ¹⁰
²⁶⁶⁵ 3 no data
- 4 *Ricordel*
- 5
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- ¹⁰
²⁴³¹ X *Halobia Sommeili* Trias ^{Pelecypod}
- ¹⁰
²⁴³¹ 9 *Arvicula bavaria* Unken. Austria. ^{Triassic} ^{Pelecyp.}
- 3310
- 1 *Lima striata* Hoffenheim, Baden, Ger. ^{Triassic} ^{Pelecyp.}
- 2
- ¹⁰
²⁶⁶⁴ X *Estheria minuta* Trias ^{Crustacean}
- ¹⁰
²¹⁰⁹ X *Gervillia socialis* Trias ^{Pelecypod}
- ¹⁰
²⁴³⁹ X *Corbula gazaria* Trias. Baden, Germ.
- ¹⁰
²³⁹⁸ X *Pecten dissitus* ^{Mayer, near Heidelberg} Baden, Germany. ^{Mid. Trias, Muschelkalk} ^{Pelecypod}
- 7
- 8 *Florsheim*
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- 10 *Sclerotical rings*
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- 3319 East of Weinheim
- 3320 Hydrobenthal, Mosere, Nördlingen, Germany
- 1
- 20313 2 Fish. Mosere? Bee Hills, Hood Co., S. D. m. green down
- 3 *Lingula anatina*
- 4 *Limnaeus*. Recent. Lake Wenzia, Madison, Wis. J.M. Clements.
- 5 *Herophila ercetorum*. Recent. Near Heidelberg, Germany. J.M. Clements.
- 6 *Mytilus edulis* Lin. Recent. Atlantic City, N.J. - 1892. J.M. Clements.
- Pyramids of Egypt. Coll. H.C. Powers.
- 20304 7 *Nummulites ghizensis*. Eocene. Protog.
- 20067 8 Pupa (Pupilla) muscorum Lin. Loess. Heidelberg, Germ. J.M. Clements.
- (Mittel-Ländisches Meer) Coll. F. Krantz.
- 9 *Echinus melo*, Lr. Mediterranean Modern Echino.
- 20003 10 *Cochliocopa (zua) lubrica*, Müll. Loess. Heidelberg, Germany. J.M. Clements.
- 1 *Bulinus detritus*, Müll. Recent. Heidelberg, Baden, Germany. J.M. Clements.
- 20218 2 *Sapicava aroha*, Lin. Alluvium. Uddevalla Sweden. Stütz.
- 20002 3 *Clausilia (Pirostoma) pumila*, (Ziegl.) E. Pfr. Loess, Heidelberg, Germ.
- 20022 4 *Helix (Anonta) arbustum*, Lin. Diluvial sand. Mauer b. " "
- 5 *Succinea putris* L. Recent. Heidelberg, Ger. L.M. Clements.
- Dinorthe
- 7 *Succinea*. Recent. Near Heidelberg, Germany. J.M. Clements.
- 8
- 9 *Macla*, Recent, Atlantic City, N. J. J.M. Clements.
- 3340 *Rhynchonella Woodwardi*, Reut. Japan. Heidelberg Musiol Co.
- 1 *Helix pomatia* L. Recent, Heidelberg, Germany.
- 20021 2 *Helix (Pusticula) hispida* Lin. Loess. Mauer near Heidelberg, Ger. J.M. Clements.
- 3 *Oliva oryza*. Link. Nivea juvenis. West. Ind. Coll. Prof. Andreae. Pleistocene. Gastero.
- 4 *Margarella (Pessicula) interrupta*, Link. Recent. Atlantic Ocean. Don. Prof. Andreae. J.M. Clements' Coll. Modern Gastero.
- 5 *Collumbella fulgurans* L. Recent, No. Sea. J.M. Clements' Coll. Pleistocene. Pelecy.
- 6 *Pecten*. Recent. Atlantic City, N. J. Pleistocene. Pelecy.
- 20266 7 *Helix*, Steinheim, Germany. Mosere
- 8
- 9
- 3350
- 1 *Neuropteris hirsuta* LESQ. Pennsylvanian ("coal measures") Mazon Creek, Grundy County, Illinois. Exch. with J.C. RUSSELL, Ann Arbor, Michigan.
- 2 *Plethopteris massillensis*. Perm. - Plants.
- 3
- 4

Rubeland, Hartz, Germany. Coll. W.H. Hobbs.

3355 *Ursus Primigenius*. Pleistocene. Mammals

6

7 *Mellita testudinata*.LO 20249 8 *Ostrea*. Raised beach (Quaternary) Zebel Zeit, Egypt W. & H.

9

Cardium echinatum L. ^{Palermo, Italy.} ^{var. Deshayesi, ROY}3360 *Cardium echinatum* L. Pleistocene. Pelec.LO 20019 9 *Tridacna antiquus* Mill. Quaternary. Palermo, Italy. Ward & Howell.

2

3 *Mastodon gigantea* (6th molar) ^{Quaternary. Indiana.} ^{Ward & Howell.}

4

4 *Rangifer tarandus* ^{Caves of Dordogne, France.} ^{Fossil Reindeer.} Pleistocene Mammals

5

5 *Aepiornis maximus*. ^{Insects enclosed in amber.} ^{Baltic Sea Coast. Dr. F. Krantz.} Pleistocene - Birds

6

6 *Uligocene* ^{Insects}

7

7 *Hyaena eximia* Wagner ^{Pleistocene. Pikermi, Greece.} ^{Ward series of casts of Fossils.} Pleistocene - Mammals

8

8 *Tridacna ineptus*. ^{Mauritius.} ^{Ward series of casts of Fossils.} Pleistocene - Birds

9

9 *Megalonyx jeffersoni*. ^{Big Bone Lick, Ky.} Pleistocene - Mammals

3370

3370 *Elephas primigenius*. Pleistocene. Mammals

1

1 *Homo sapiens*. ^{Neanderthal, Rhine Valley.} ^{Ward's casts of celebrated Fossils.} Pleistocene - Mammals

2

2 *Homo sapiens*. ^{Original in Museum of Dr. of Liege.} ^{Ward Series of casts of Fossils.} Pleistocene - Mammals

3

3 *Homo sapiens*. ^{Engis Cavern, Belgium.} Pleistocene - Mammals

4

4 *Megatherium Cuvieri*. ^{Shell of modern specimens} Pleistocene. Mammals

5

5 *Nautilus* sawed in two. Modern - Cephalopods.

6

6 *Turbo gibberosus*, Anel. ^{Ward & Howell} ^{Quaternary, Palermo, Italy}

7

7 *Xenophora agglutinans* Lam. ^{Palermo, Italy.} ^{Ward & Howell.} Pleistocene - Gastro.

8

8 *Cassidaria echinophora* L. ^{Palermo, Italy.} ^{Ward & Howell.} Pleistocene - Pelec.

3380

3380 *Vermetus* ^{Post Quaternary} ^{Nemato}

1

1 *Panopea Faujasi*. ^{Ward & Howell.} ^{Palermo, Italy.} Pleistocene. Pelec.

LO 20214

LO 20214 8 *Ostrea undata*, Lmk. ^{Colli Astesi, Italy.} ^{U. Pliocene} ^{Ward & Howell.} Pleistocene. Pelec.

LO 20273

LO 20273 4 *Elephantium* L. ^{Post Pliocene} ^{Palermo, Italy.} ^{Ward & Howell.} Pleistocene. Sca. & Pelec.

LO 20073

LO 20073 6 *Pecten jacobus* L. ^{Palermo, Italy.} ^{Ward & Howell.} Pleistocene. Pelec.

LO 20302

LO 20302 7 *Ranella marginata*, Marti. ^{Pliocene, Rio Roca, Modena} ^{Quintz}

LO 20011

LO 20011 8 *Quingeborulina rugosa*, D'Alb. ^{Italy.} ^{Ward & Howell.} ^{Pliocene} ^{Trepido, &} ^{Quintz}

LO 20301

LO 20301 9 *Cypraea elongata* Broch. ^{Italy.} ^{Ward & Howell.} ^{Pliocene} ^{postero.}

LO 20301

LO 20301 10 *Aradilium* ^{Pliocene} ^{Gasbropel}

LO 20301

LO 20301 11 *Tertular agglutinans* ^{Italy.} ^{Ward & Howell.} ^{Pliocene} ^{Taghata, Italy} ^{Quintz}

- ¹⁰
~~20042~~
 3396 *Massa serrata* Fossetta, Modena. *Pliocene* Col. B. Sturtz. *Gaster*
 Grizzaga Modena. B. Sturtz.
¹⁰
 20181 *Leda concava* Buoin. *L. Pliocene* *Pelecypod*
¹⁰
 20251 *Venus multilamella* Bagala. *Pliocene* *Pelecypods*
 4
¹⁰
 20014 *Eulina eburna* Niso, *Pliocene*, Zappolino, Modena
 Concurron, France. Christol. Ward Series of casts of Fossils.
¹⁰
 20321 *Hipparion elegans* L. *Pliocene*. *Mammals*
 7
 8 *Cypraea elongata*
¹⁰
 20323 *Oreodon major* Leidy. *Miocene* *Mammals*
 Mauvaises Terres, Neb. Ward Series of casts of Fossils.
 3400 *Acer manipidatum* Ward + Howell. *Miocene* *Plants*
 M. Tertiary, Denningen, Switz.
¹⁰
 20300 *Amphistegina Haueri*, Dep. Miocene, Wien, Austria.
¹⁰
 20072 *Pyrala Körnsiana* Miocene, Montegibbia, Modena
¹⁰
 20189 *Unio flabellatus*, Tertiary, Muebach
¹⁰
 20054 *Natica helicina*, Broz. *Miocene*, Soos, Austria
¹⁰
 20164 *Arca Chiluri* Lant. *Miocene*, Montegibbia, Carboniano, Modena
¹⁰
 20250 *Lerebratula grandis* Dr. Nrem. *Oligocene*. *Brach.*
 Marl "Doberg" near Bunde, Westphalia.
 7
¹⁰
 20005 *Columbella tubulata*, Broz. *Pliocene*, Taghata, Italy
 Ward + Howell.
 Disinced
¹⁰
 3418 *Siliquaria arguina* Lk. *Pliocene*, Cianca, Piacentino. Sturtz.
 1
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 3 *Diluvium Andorra* Piedmont. *Pleistocene*. *Mammals*
 Ward + Howell.
 4 *Simocyon primigenus* Wag. *Miocene* - *Mammals*
 Pittermi, Greece. Ward Series of casts of Fossils.
 5 *Elinothierium giganteum*. *Miocene* - *Mammals*
 6
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¹⁰
 20093 *Turritella bicarinata*, Eri. *Miocene*, Steinabrunn, Austria
 Ward + Howell.
 9
 3420 *Titanotherium prouti*. (Molar tooth of a large) *Oligocene*
 rhinoceras-like animal
 Tertiary. Grun, Hanover. Ward + Howell.
 1 *Vermetus arenarius* L. *Miocene* - *Gastro*
 Tertiary. Gaintahn, Austria. Ward + Howell.
¹⁰
 20203 *Cardita jovanelli*, East. *Eocene* - *Pelecypods*
¹⁰
 20321 *Lebias asphaltotes*. Aire, France *Miocene*, *Fishes*
 Ward + Howell.
¹⁰
 20182 *Congerina calamiformis* Mollasse, Braunschweig
¹⁰
 20183 *Congerina subglobosa* Vienna, Austria.
 Coll. F. Krantz. *Miocene* *Pelecyp-*
 Laueata.
¹⁰
 20211 *Braccinum baccatum*, Bastena *Miocene* *Gaster*

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²⁷⁸⁶
 3427 *Buccinum Veneris*, Basterot. Miocene, Lancatz Grund, Hanover. Ward + Howell.
- ¹⁰
²⁰²⁵² X *Arca umbonata* Miocene - Pelecyp.
- ¹⁰
²⁰¹⁸⁴ X *Pecten nausmanni* V. Olig. Marl. "Doberg" near Bünde, Westphalia. Don. Dr. Krenn. Oligocene - Pelecyp.
- ¹⁰
²⁰¹⁹⁸ X *Glycymeris* sp. Cassel, Hessen. Don. Dr. Krenn. Oligocene - Pelecyp.
- ¹⁰
²⁰¹⁹³ X *Pectunculus philippoti* V. Olig. Marl. "Doberg" near Bünde, Westphalia. Don. Dr. Krenn. Oligocene - Pelecyp.
- ¹⁰
²⁰²⁶⁷ X *Tudicula rusticula* (BASTEROT) Miocene gastropod.
- ¹⁰
²⁰⁰⁰⁶ X *Columbella massoides* Bell. Miocene Baden.
- ¹⁰
²⁰⁰⁰⁷ X *Comus ventriosus*, Bron. Miocene, Steinabrunn, Austria.
- ¹⁰
²⁰⁰⁰⁷ X *Pinecone*, Rhine Valley. Tertiary. Ward + Howell. Miocene. Plants.
- ¹⁰
²⁰⁰⁰⁰ X *Cerithium pictum* Bast. Miocene, Wiesen, Baden.
- ¹⁰
²⁰²¹⁶ X *Ostrea sciutula*, Mid. Tertiary, Paris, France.
- ¹⁰
²⁰²⁷⁷ X *Lithothamnium ramosissim*, Tertiary, Wien, Austria.
- ¹⁰
²⁰³⁰⁶ X *Pectunculus polydonta*, Tertiary, Capel.
- ¹⁰
²⁰⁰¹⁸ X *Helix turonensis*, Desh. Miocene. Gurd, Hanover. Ward + Howell.
- ¹⁰
²²⁹³ X *Cassia saburon*, Lam. Miocene. 2000, Austria. Ward + Howell.
- ¹⁰
²⁰⁰⁸³ X *Terebra fuscata*, Broc. Miocene. Montegibbio, Modena. Ward + Howell.
- ¹⁰
²⁰⁰¹⁵ X *Dolium denticulatum*, Desh. Miocene. Montegibbio, Modena. Sturtz.
- ¹⁰
²⁰²⁴⁸ X *Terebra fuscata*, Brocchi. Miocene. Montegibbio, Modena. Sturtz.
- ¹⁰
²⁰²⁴⁸ X *Terebratula grandis*, Oligocene. Rhine Valley. "Doberg" near Bünde, Westphalia. Ward + Howell.
- ¹⁰
²⁰⁰³¹ X (406.0) *Pecten Hofmanni*, up. Olig. marl., "Doberg" near Bünde, Westphalia; Don. Dr. Krenn.
- ¹⁰
²⁰²³¹ X *Nitua corrugata*, Desf. Miocene, Montegibbio, Modena. Sturtz.
- ¹⁰
²⁰¹⁹⁷ X *Nucula?* Up. Oligocene marl, "Doberg" near Bünde, Westphalia.
- ¹⁰
²⁰³²² X *Tellina zonaria*, Lam. Miocene, Bordeaux, France.
- ¹⁰
²⁰¹⁶² X *Priscara serrata* Lope. Eocene. Near Ft. Bridge, Wyo.
- ¹⁰
²⁰¹⁶² X *Anomia tenuistriata*. Hauterville, France. Dr. F. Krenn. (THU) Eocene - Pelecypoda.
- ¹⁰
²⁰⁰³⁵ X *Lamna cuspidata* ag. Tertiary. Calc. Gross. Paris, France. B. Sturtz. Eocene - Fish.
- ¹⁰
²⁰¹⁸⁶ X *Pecten Hofmanni* V. Olig. Marl. "Doberg" near Bünde, Westphalia. Don. Dr. Krenn. Oligocene - Pelecyp.
- ¹⁰
²⁰³¹⁸ X *Cardium cingulatum* V. Olig. Marl. "Doberg" near Bünde, Westphalia. Don. Dr. Krenn. Oligocene - Pelecyp.
- ¹⁰
²⁰³¹⁶ X *Macrophthalmus laeillei* Newer Tertiary. Isle of Hainan, China. Ward + Howell. Pliocene - Crustacea.
- ¹⁰
²⁰¹⁹⁴ X *Diplomeptis humilis*. Eocene. Fish.
- ¹⁰
²⁰⁰³⁵ X *Pectunculus pulvinatus*, Eocene, Gignon, France.
- ¹⁰
²⁰³²⁰ X *Monocera monocanthos* Bro. up. Pliocene, Zappolino, Italy. Sturtz.
- ¹⁰
²⁰³²⁰ X *Diplomeptis humilis*. Eocene. Fish.

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20167
3463 → Cythera elegans Calcaire grossière (Marne)
Ostreum flabellatum Ph. Calc. grossière. Saponcourt (Marne)
10
20217 4 Mactra semisulcata (Moyer) Lachen, Brussels. Grignon, France
10
20311 5 Autobatus irregularis Ag. Eocene Fishes
10
20198 6 Mactra semisulcata Eocene Calc. gross. Grignon, France
7 Crassatellites plumbea Ward + Howell. Eocene. Pelicyp.
8
10
20309 → Lobocarcinus Tr. Olig. Marl. "Doberg" near Bünde, Westphalia Don. Dr. H. v. M.
9 Pecten janus Oligocene Pelicyp.
10
20178 3470 Ancillaria canalculata. Calc. grossière La Chapelle. Sturtz
La V. Hette. Calc. St. Quentin. B. Sturtz (4038)
10
20026 1 Lymnaea longicauda Eocene - Gastropods
(Basalt tuff) L. 490, Italy. Dr. F. Frantz. (168)
10
2782 2 Ampullaria vulcani Brog. Eocene - Gastropods
Colli Astei, Italy. Ward + Howell.
10
2780 3 Aporrhaia pus - pelicani - Pliocene - Gastro.
Discoidal
Discoidal
10
2792 6 Caricella polita Con. Eocene - Gastropods
Claiborne, Ep. Claiborne, Ala. Ward + Howell.
10
20074 7 Rostellaria fissurella Eocene - Gastropods
Tertiary. Grignon, France. Ward + Howell.
10
20614 8 Volutilites athleta Sow. Eocene - Gastropods
Sables Eocenes moyens. La Fosse
10
20079 9 Solarium distinctum Vinc. Eocene - Gastropods
Bruxellien Neder Ocherfall. Louvain. B. Sturtz. (4028)
10
2788 10 Calyptraphorus trinodiferus, Con. Claiborne (Eocene) Monticello, Ala.
Ft. Union Group. Montana. Ward.
10
20108 11 Viviparus conradi, M. & H. Eocene - Gastro.
Red Crag (Tertiary). Walton, Eng. Ward + Howell.
10
20265 12 Fusus antiquus var. contrarius. Eocene - Gastro.
10
2795 13 Centhium bicarinatum Lam. Tertiary. France. Ward + Howell
10
20039 14 Murex tricarinalis LR. Eocene - Gastro.
Calc. gross. Grignon, France. B. Sturtz.
10
20059 15 Oliva greenoughii Eocene - Gastro.
Tertiary. Claiborne, Ala. Ward + Howell.
10
20058 16 Naticina obliquata Eocene - Gastro.
Calcaire grossier Saponcourt (Marne).
10
20061 17 Pleurotoma prisca Sow. Eocene - Gastro.
M. Eocene. Barton, England. Ward + Howell.
10
20185 18 Pecten munsteri Oligocene - Pelicypods
Tr. Olig. Marl. "Doberg" near Bünde, Westphalia. Don. Dr. H. v. M. (4079)
10
2400 19 Pecten janus "Doberg" near Bünde, Westphalia. Oligocene Pelicypods.
Tr. Olig. - Marl. E. R.
10
20219 3490 Lucina compressa Eocene Claiborne, Ala. Olig.
Tertiary. Grignon, France. Ward + Howell.
10
20179 20 Chama calcarata Lamh Eocene - Pelicyp.
Sabl. Mag? Le Guepel, France. B. Sturtz. (4036)
10
20094 21 Turritella incerta, Desh. Eocene - Gastro.
Calcaire gross. Parnes, France. B. Sturtz.
10
20168 22 Cythera semisulcata, Desh. Eocene - Pelicyp.
10
20107 23 Isates schmideliana Eocene - Gastropods.
Ronca Verona, Italy. Dr. F. Frantz. (17)
10
20315 24 Diplomystus altus Eocene - Green R. shales. Wyoming. Ward + Howell.
10
20038 25 Murex (Ocenebra) polymorpha Tertiary. Zappalino, Italy.
10
20040 26 Murex scalaroides Daine, Low. Pliocene, Tagliata, Modena
10
20080 27 Trochus podolicus Dub. Tertiary. Vienna, Austria

- 3499 ¹⁰2791 *Cancellaria cancellata* Linn. ^{stintz} Miocene, Montegibbio, Modena, Italy
- 3500 ¹⁰20171 *Meretrix cornis*, Lea. Claiborne fm. Eocene, Claiborne, Ala. Ward & Howell.
- 20312 X *Autobatus* Palatal teeth. Suffolk, Eng. Ward & Howell. Eocene. Fishes.
- 20260 ¹⁰20260 *Cerithium giganteum*. Tertiary. Damery, France. Ward & Howell. Eocene - Gastro
- 20041 ¹⁰20041 *Nassa limata*. Modena, Italy. Hein. Ward & Howell. Pliocene - Gastro
- 1 6 *Ovula gigantea*, Muns. Hressenberg. Eocene - Gastro
- 2783 X ¹⁰2783 *Amphipullaria vulcani*. Br. Ronco, Italy. Ward & Howell. Eocene - Gastro
- 20051 ¹⁰20051 *Natica segarellina*. Tertiary. Paris Basin, France. Ward & Howell. Eocene - Gastro
- 3510 ¹⁰20051 *Receptaculites Oweni*. Galerna. Eocene. Sponges.
- 20274 X ¹⁰20274 *Echinolampas Kleini*, Up. Oligocene marl, "Dobey" near Bünde, Westphalia
- 20278 X ¹⁰20278 *Macroporeites nenezhini*, Desor. = *Bugena acunataeformis*, Schum. Montecchio Maggiore, Italy
- 20091 ¹⁰20091 *Strombus forbesi*. Br. Val Nera. Vicenza, Italy. Dr. F. Hantz. Eocene - Gastro
- 20071 ¹⁰20071 *Purpura vulbus*. Tertiary. Grignon, France. Ward & Howell. Eocene - Gastro
- 5 *Fusus longaevus*, Lc. Barton Clay, Barton, Hantz, Eng. Ward & Howell. Eocene - Gastro
- 6 *Scutella striatula*. Bordaux, France. Dr. F. Hantz. (52) Miocene - Echinoids
- 20305 X ¹⁰20305 *Chara hispida*, Linn. Black Hills, S. D.
- 20281 X ¹⁰20281 *Echinolampas kleini*. Miocene Bunde, Westphalia
- 20296 ¹⁰20296 *Nummulites striata* D'Orb. Eocene, Coniaz, (Aude) France
- 1 *Serpula corrugata*, Pliocene, Niciola, Guana Bogala, Italy
- 20277 X ¹⁰20277 *Echinocyamus altavillensis*, Ag. Eocene, Hautville, France
- 3 *Clypeaster aegyptiacus*. Tertiary. Ghizeh, Egypt. Ward & Howell. Eocene. Echinoid.
- 2656 X ¹⁰2656 *Cyathoseria haidingeri* Reuss. Gosau chalk. Turon. Scharvergraben, Gosau
- 20275 ¹⁰20275 *Echinolampas affinis* Desor. Eocene, Brussels, Belgium
- 2103 X ¹⁰2103 *Lophosmilia Cenomanian* Le Beausset, France. Stintz
- 20290 X ¹⁰20290 *Flabellum appendiculatum*, Mi. Eocene, Lugo, Italy. Krantz
- 20293 X ¹⁰20293 *Trochocyathus* Eocene alps. Ward.
- 20291 ¹⁰20291 *Endopachus maculatus*, Lea.
- 20284 X ¹⁰20284 *Turbinolia elliptica*, Eocene, Liencourt, Paris, France.
- 20287 X ¹⁰20287 *Belamnitella*. Upp. Cret. Belamnitidae.
- 20285 X ¹⁰20285 *Cyathina nancana*? Up. Oligocene marl. "Dobey" near Bünde, Westphalia
- Stephanosmilia annulata*, U. pp. Oligocene, Vicenza, Italy

- Italy 3535 Dissidul
- 20017 & *Fusus longaeus*, Eocene, Grignon, France, Ward + Howell.
- 20299 & *Robulina echinata*, Pliocene, Forsetta b. Modena, Italy
- 20028 & *Marginulina raphanus* Lin. Pliocene. Termini, Italy. Krantz (32)
- 20298 & *Polystonella crispata*, Pliocene, Tagliata, Italy
- 20297 & *Lenticulina variolaris* H., Aures, France, Eocene
- 1 *Diatomaceous earth*. Eocene. Richmond, Va. Ward.
- (Kieselguhr) Lüneburg, Hanover (#1, Krantz)
- 2 *Infusorienerde*, Tertiary, Hombussen, Hessen
- 3 " " " St. Fiora, Toscana, Italy
- 4 " " " Rilin, Böhmen, Krantz (4)
- 5 " " " Thiergarten b. Berlin. " (3)
- * 6 *Eurylerus lacustris*. Water Hole Group. Ward + Howell. Buffalo, N. Y. Silurian - Crustac.
- 7 *Platyerinus planus*
- 8 *Rhipidomella Burlingtonensis* Georgia, Vt.
- 9 *Misonaxis Vermontana* I. Camb. Tril.
- 20296 & *Astrodiscus patellaris* F. H. Krantz (28) Eocene. Protogons.
- Barnacles from Bathwick, Wis? From East India waters.
- 1 *Balanus* Pres. by Mrs. L. L. Parks, H. D. 2 town Modern Crustaceans
- Hamilton Cr. Little Traverse Bay, Mich.
- 10253 & *Coenostroma (Stromatopora) monticuliferum* Wien. Dev. Corals.
- 20303 & *Nummulites piceasanus*, DeFr. (var. giga) Eocene. Protoz.
- 4 & *Obolula*. Camb. Brach.
- 5 Ordov. Crinoids.
- 6 *Crepicephalus onuchex* (?) Camb. Tril.
- 7 *Schizocrinus nodosus* H. Stems. Wis. Acad. Sci. (149.) Crinoids.
- 8 *Balostoma Jamesi*. Cinn. Gr. Cinn. Ohio. Ordov. Bryoz.
- 9 *Pholidops*. Devonian Brach.
- 2368 & *Cucullia cornata*. E. of Black Hills, So. Dak. Coll. L. W. Stilwell. Up. Cret. Pelec.
- 2039 & *Baculites ovatus*. E. of Black Hills, S. Dak. Coll. L. W. Stilwell. Up. Cret. Ammon.
- 2 & *Prionocyclus woolgari*. tropis Black Hills, S. Dak. Cheyenne. Up. Cret. Ammon.
- 3 & *Nautilis deKayi*. Young. E. of Black Hills, S. Dak. Coll. L. W. Stilwell. Up. Cret. Nautiloids.
- 4 & *Baculites compressus*. E. of Black Hills, S. Dak. Cheyenne R., Bad Lands. Coll. L. W. Stilwell. Up. Cret. Ammon.
- 2456 & *Anchura americana*. E. of Black Hills, S. Dak. Cheyenne R. Coll. L. W. Stilwell. Up. Cret. Gasteropods.
- 2393 & *Monoceras*. E. of Black Hills, S. Dak. Cheyenne R., Bad Lands. Coll. L. W. Stilwell. Up. Cret. Pelec.
- 7 & *Baculites compressus*. S. Dak. L. W. Stilwell. Cheyenne R. Coll. L. W. Stilwell. Up. Cret. Ammon.
- ? 8 & *Scaevites quadrangularis*. E. of Black Hills, S. Dak. Cheyenne R. Up. Cret. Ammon.
- 9 & *Monoceras*. E. of Black Hills, S. Dak. Cheyenne R. Coll. L. W. Stilwell. Up. Cret. Pelec.
- 3570 & *Baculites compressus*. Placentias Whitfield Hyatt. Up. Cret. Cephalopod.
- So. Dak. - E. of Black Hills. Coll. L. W. Stilwell.

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 2060 E. of Black Hills, S. Dak. Cheyenne R. Coll. L. W. Stilwell.
 571 Scaphites N. quadrangularis. Up. Cret. Ammon.
 10
 2391 E. of Black Hills, S. Dak. Cheyenne R. Coll. L. W. Stilwell.
 10
 2059 E. of Black Hills, S. Dak. Cheyenne R. Coll. L. W. Stilwell.
 4 Eutraphoceras Agassiz Sh. Black Hills, S. Dak. Up. Cret. Nautiloids
 5 Baculites Oratus. Barton, Hants, Eng. Ward & Howell. Eocene. Gastero.
 6 Inoceramus Coll. L. W. Stilwell. Up. Cret. Velecy.
 7 M. Dev. (Eifel - Hartz) Goniatites in life, Germ. Coll. J. G. Clements. Brach.
 8 Streptorhynchus umbraculum Sch. Veronia. Brach.
 8 Dikelocephalus minnesotensis. Camb. Tril.
 10
 1971 Hesperthis tricenaria. Trenton Ls. Coll. H. C. Powers. (202.) Ordov. Brach.
 3580 Graptolites gigas Ward & Howell. Jurassic. Ammon.
 5124 X Discordea cylindrica K. Cenozoic. France?
 2 Cinn. Gr. Shellsburg, Wis. Coll. M. Strong. Ordov. Brach.
 10
 2550 Hemaster. Cret. Chalk. France. Up. Cret. Echinoids.
 4 Mandata Linn. Camb. Gastero.
 6 Raphistoma lenticularis. Mandata Linn. Camb. Gastero.
 10
 10016 Colopora ramosa. Cincinnati, O. Ord. C. W. Hall. Ordov. Gastero.
 8
 9
 3590
 1 Cerurus pleurexanthemus Trenton Ls. Ordov. Tril.
 2 Ptychopyge ulrichi Decora. Ordov. Tril.
 3
 4
 5
 6 Bumastus trentonensis Trenton Ls. Beloit, Wis. Minn. G.S. III Pt. II. Ordov. Tril.
 7 Strophomena filitexta Trenton Ls. Southwestern Wis. Ref. Pal. N.Y. I Pl. 31 B. Ordov. Brach.
 8 Constellaria florida. Cinn. Sh. Ordov. Bryoz.
 9
 3600
 1
 2 no data.
 Discord
 4 no data.
 10
 2043 Zygospira recurvirostris. Upper Regis, Eng. Ward & Howell. Jurassic. Ammonoids.
 2045 Zygospira recurvirostris. Mpls., Minn. Coll. C. W. Hall. Ordov. Brach.

3607	Chonetes mesolobus	Coal. Danville, Ill.	Coll. F. & M. Coe, Lexington.	Penn.	Brach.
8	Dictyonema flabelliforme	St. John Group, Ill.	St. John, B. B.	Camb.	Brach.
9	Lepidodendron	Coal. Sp. LaSalle, Ill.	Penn.	Plants	
10	Oncoeceras Pandion	Trenton	Coll. H. C. Powers.	Ordov.	Ceph.
11	Orthis	Bed of stream, Green Co. Wis.	Wis. Acad. Sci.	Ordov.	Brach.
12	Cardinia concinna	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
13	Bucania trigonostoma	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
14	Richtofenia laurenciana	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
15	Goniatites platylobus	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
16	Apicrinus elegans	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
17	Mitrocyrtites mitratus	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
18	Dicranograptus ramosus	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
19	Diplograptus pugnax	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
20	Agonostus	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
21	Maclurea	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
22	Gastrioceras striatus	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
23	Acidaspis	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
24	Monocrinus	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
25	Asteros pumila	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
26	Schwagerina	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
27	Bathyrus extans	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
28	Monophion	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
29	Chonetes Mesoloba	St. John, B. B.	St. John, B. B.	Ordov.	Brach.
30					
31					
32					
33					
34					
35	Bollia subaiguata	Minn. G.S. & Vol. III, Part 2, Paleontology, Plate 46	Ordov.	Ostracods	
36	Ceratopsis	Col. Cinn. Natural History Society.			
37	Ceratopsis	Col. Cinn. Natural History Society.			
38	Arca subrostrata	Miocene form. Plum Point Md. Nat'l. Museum.	Miocene	Pelec.	
39	Shark	Long Isl. N.Y. J. Messup, 1909	Modern	Fishes	
40	Glycymeris trigonella	Ala. Claiborne form. Nat'l. Museum.	Eocene	Pelec.	
41	Spirifer mucronatus	Ala. Claiborne form. Nat'l. Museum.	Devon	Brach.	
42	Venericardia rotunda	Ala. Claiborne form. Nat'l. Museum.	Eocene	Pelec.	
43	Utic Formation	Ala. Claiborne form. Nat'l. Museum.			
44	Utic Formation	Ala. Claiborne form. Nat'l. Museum.			
45	Utic Formation	Ala. Claiborne form. Nat'l. Museum.			

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~~881~~ ⁸⁸² ~~883~~ ⁸⁸⁴ ~~885~~ ⁸⁸⁶ ~~887~~ ⁸⁸⁸ ~~889~~ ⁸⁹⁰ ~~891~~ ⁸⁹² ~~893~~ ⁸⁹⁴ ~~895~~ ⁸⁹⁶ ~~897~~ ⁸⁹⁸ ~~899~~ ⁹⁰⁰ ~~901~~ ⁹⁰² ~~903~~ ⁹⁰⁴ ~~905~~ ⁹⁰⁶ ~~907~~ ⁹⁰⁸ ~~909~~ ⁹¹⁰ ~~911~~ ⁹¹² ~~913~~ ⁹¹⁴ ~~915~~ ⁹¹⁶ ~~917~~ ⁹¹⁸ ~~919~~ ⁹²⁰ ~~921~~ ⁹²² ~~923~~ ⁹²⁴ ~~925~~ ⁹²⁶ ~~927~~ ⁹²⁸ ~~929~~ ⁹³⁰ ~~931~~ ⁹³² ~~933~~ ⁹³⁴ ~~935~~ ⁹³⁶ ~~937~~ ⁹³⁸ ~~939~~ ⁹⁴⁰ ~~941~~ ⁹⁴² ~~943~~ ⁹⁴⁴ ~~945~~ ⁹⁴⁶ ~~947~~ ⁹⁴⁸ ~~949~~ ⁹⁵⁰ ~~951~~ ⁹⁵² ~~953~~ ⁹⁵⁴ ~~955~~ ⁹⁵⁶ ~~957~~ ⁹⁵⁸ ~~959~~ ⁹⁶⁰ ~~961~~ ⁹⁶² ~~963~~ ⁹⁶⁴ ~~965~~ ⁹⁶⁶ ~~967~~ ⁹⁶⁸ ~~969~~ ⁹⁷⁰ ~~971~~ ⁹⁷² ~~973~~ ⁹⁷⁴ ~~975~~ ⁹⁷⁶ ~~977~~ ⁹⁷⁸ ~~979~~ ⁹⁸⁰ ~~981~~ ⁹⁸² ~~983~~ ⁹⁸⁴ ~~985~~ ⁹⁸⁶ ~~987~~ ⁹⁸⁸ ~~989~~ ⁹⁹⁰ ~~991~~ ⁹⁹² ~~993~~ ⁹⁹⁴ ~~995~~ ⁹⁹⁶ ~~997~~ ⁹⁹⁸ ~~999~~ ¹⁰⁰⁰

Onondaga Form. Port Colborne, Ontario. Natl Museum.
Heliophyllum canadense Billings Devon. Coelent.
 Lockport, N.Y.
 3682 *Lingula cuneata* (Medina formation) Silur. Brach.

83

0
 20784 Miocene form. Plum Point, Maryland. Natl. Museum.
Penericardia granulata Conrad. Miocene Pelec.

0
 2068 Claiborne, form. Claiborne, Ala. Natl. Museum. Eocene Pelec.
Penericardia parva Lea. Cedar Valley form. Iowa City, Iowa.

86 Lorraine form. Cin., Ohio. Ordov. Brach.
Platystrophia lynx Eichwald. Natl. Museum.

21588 Onondaga form. Port Colborne, Ontario. Natl. Museum.
Favosites emmonsii Rominger Devon. Coelent.
 Shell Creek, De Soto County, Florida.

16387 *Area wagneriana* Dall Natl. Museum. Pliocene Pelec.
 Utica form. Nicholson Cin., Ohio.

89 *Dehayella ulrichi* Natl. Museum. Ordov. Bryoz.
 Miocene form. Near Suffolk, Virginia.

29262 *Dosinia acetabula* Natl. Museum. Miocene Pelec.
 2690

1012791 *Oggites canadensis* Ord. Utica fm. Collingwood, Ont.
 Plum Point, Maryland. Natl. Museum.

2009542 *Surirella cumberlandia* Conrad. Miocene Gasto.
 Richmond form. Near Hamilton, Ohio. Natl. Museum.

93 *Orthis (Palmanella) testudinaria* variety *meeki* Miller. Order. Brachyrod.
 Richmond form. Waynesville, Ohio.

94 *Bythopora meeki* Natl. Museum. Order. Bryoz.
 95 *Haploscapites*.

Donor: D. C. Sherman. Rock cut along C. M. & St. P. RR.
 96 *Goniolites expansus* - Dev. Goniolite Lms. West. N. Dakota. Ammon.
 Didymograptus. Murchison. From rock cut along new C. M. & St. P. RR., near L. Land Silo.
 (Berth) *Baculites* Donor: T. C. Sherman. See C. M. & St. P. Ry. Milw. Order. Graptol. 1862000s.

2040 *Endothyra Bowmani* Donor: T. C. Sherman. See C. M. & St. P. Ry. Milw. St. Louis group gastrop.
Bellerophon sublaevis Rock cut C. M. & St. Ry. N. Dakota. Miss. Emmetsville, Fisher
 98 Hall. Fish teeth Donor: T. C. Sherman. See C. M. & St. P. Ry. Milw. Cret. Mottling, Honigsberg, North Y.

Hebertella insculpta Richmond. In. Fossils. In Mottling, Honigsberg, North Y.
Agnostus Nathorsti Coal Measures. Staffordshire, Eng.

3700 collection of fossils from O. Sturtevant. Bonn. L. Silurian.
Asaphus expansus Wahl. Lower Sil. Sweden Tril.
 U. Silurian. Coral Gasto

3701 *Zaphrentes vortex* Is. of Gotland, Sweden. Upper. Sil. Gasto
 3702 *Dimorphites selectus* Triassic. Fenerkog. Trias. Ammon.

10350 *Cyrtina hamiltonensis* Hamilton, N.Y. Devon. Brach.
 3704 *Arctes interlabiatus* Triassic. Rothelstein, Trias. Ammon.

10376 *Bothriolepis panderi* Dev. Sjass, Russia. Devon. Fisher
 3705 *Strophalosia lamellora* Zechstein. Jena, Germany. Perm. Brach.

3706 *Conocardium crenatum* Finnertrap. Dev. Pelec.
 10380 Middle Dev.

3707 *Trochites sellae* Triassic. Sandling. Trias. Amm.
 3708 Permo-Carboniferous.

3709 *Aulosteges medisothianus* Salt Range, India Perm. Brach.
 10378 Hamilton form.

3710 *Cryphaeus calliteler* Moravia, N.Y. Devon. Tril.
 U. Senonian.

3711 *Cardium tubuliferum* Salzberg. Cret. Pelec.
 M. Devonian.

3712 *Cyrtina heterochyta* Geroldstein, Germany. Dev. Brach.
 Wenlock Ls.

3713 *Goniophyllum pyramidale* Dudley, Eng. Sil. Coral
 Bradford Clay.

3714 *Ostrea sowerbyi* Bradford, Eng. Tril. Pelec.
 Lower Greensand.

3715 *Picatula carboniana* Cambridge, Eng. Cret. Pelec.
 Caradoc form.

3716 *Corymene*, sp. Cymoyd, Wales. Ordov. Tril.
 U. Muschelhalt.

3717 *Caonella moursini* Bellano, Lake Como, Italy. Trias. Pelec.

3718	¹⁰ ²⁵⁸⁹ Anchura americana	Cret.	Also Baculites ovatus	gast.
3719	U. Silurian. Island of Gotland, Sweden.			
3720	Beyrichia subscutata	Sil.		Ostra.
3721	Hamites intermedius Gault. Folkestone, Eng.	Cret.		Ammon.
3721	U. Sil. Stage E.			
3722	Proetus intermedius Bohemia.	Sil.		Tril.
10381 3722	Herceynian beds, Stage F2.			
3723	Conocardium bohemicum Bohemia.	Dev.		Pelec.
3723	Carboniferous Ls.			
3723	Actinocrinus stellaris Tournai, Belgium.	Miss.		Crinoid
3724	U. Sil. Isl. of Gotland, Sweden.			
3724	Pentamerus (Gypidula) galeatus	Silur.		Brach.
3725	M. Lias.			
3725	Astarte cornestomensis Cheltenham, Eng.	Jura		Pelec.
3726	Permian.			
3726	Schizodus obscurus Maurhester.	Perm.		Pelec.
3727	¹⁰ ²⁰³⁴ Sirenites agriodus	Trias		Ammon.
3728	Gault. Folkestone, Eng.			
3728	Aporrhais costata	Triassic, Sandling.		gast.
3729	Dalmanites socialis	Ordo.		Tril.
3730	Stigmaria ficoides	Westphalia. Coal Measures.	Penn.	Pter.
3731	¹⁰ ²⁷³¹ Pterophyllum brevipenne	LUNZER SS.	North America.	
3732	¹⁰ ²⁴⁴⁰ Halobia rugosa	Phleggraben	Trias	Gymn.
3732	Halobia rugosa	Perthshire slate.	Trias	Pelec.
3733	Stromtopora rugosa	Californian	Ord.	
3734	Sp. ? in Candi	Latoga, N.Y.	Ord.	
3735	Cyclopteris Hibernia	Hilkenan	Penn.	Plant
3736		Hilkenan	Cret.	
3737	supposed fossils Antikokania	Carsoni	Heroman	Ammon
3738	Brontis Planus	Step Rock Quarry, Ont.		Sponges
3739	Aulacoplena	Sodentz, Bohemia	U. Sil.	Tril.
3739	Arcturina koninckii	Bde. Ward & Howell.	Sil.	
3740	Phacops latiformis	Sodentz, Bohemia	Dev.	
3741	Acidaspis prevosti	Sodentz, Bohemia	Sil.	
3742	Paradoxides cf. spinosus	Barrandine Linetzy	Camb.	
3743	Brontis brongniarte	Bohemian	Tetini	
3744	Oantochile rugosa	Corda	Dev.	
3745	Paradoxides bohemicus	Camb.	Sinetz, Bohemia	
3746	Encrinurus liliiformis	Trias	Ulm, Germany	Crinoid
3747	Turattella	Turattella	Volcanic beds	
3748	Coral	E. Boundary of Alaska 69° lat.	Miss.	Coral
3749	Halobia superba? Pugnax sp	E. Boundary, Alaska	U. Trias	Brach.
3750	Pseudomonotis sp	7 miles west of Eklund	"	"
3751	Pentacrinus sp	"	N.E. Alaska	Crinoid
3752	Recent	Jordan Harbor, Puget Sound		Brach.
3753	Spirifer logani, Hall. coll. M. S. (1873)	Mississippi (Kearney)		Brach.
3754	Camencrinus sp. Hall	Devonian (Helderberg)		Crinoid
	L. Dev. (Helderberg chert) (float)	St. Genevieve Co. Mo. 2 mi S.E. of Alton		

Basilicus barrandei
(Hall)

Ord. - Lower Black River

New York, Ont., U. Miss. Valley

Platteville - Upper Buff.

Sec. 6 Ripon, Wisc.

3775
34

BASILIDS

barrandei

(Hall)

Ordovician

Lower Black River

New York, Ont., Upper Miss. Valley

W 2775 Pl. ville - Upper Buff.
Sec. 6, Ripon, Wis.

3788.

Ogygopsis klotzi (Rominger 1887), type species

Middle Cambrian, Burgess Shale

Mount Stephen, British Columbia, Canada

One of the many trilobites found in the Burgess Shale.

Some specimens are found with their legs and even their eyes preserved

Source: Charles Doolittle Walcott

Warsaw, Ill. Dr. F. Krantz.

- 3755 *Archimedes wartheni* Hall. Miss Bryozoon.
~~*Dicelloccephalus missouriensis* Camb. Trilobite~~
 3756 *St. Louis* *Strophomena Canadense* Miss. Coral
Burlington Co. Burlington, Pa.
 3757 *Rhipidomella burlingtonensis* Miss. Brach.
 3758 *Dicelloccephalus missouriensis* Com. Trilobite
near Spring Green, Wis.
 3759 *Puzosia Ottumwa* F. Dodge, La. N. Miss. Miss. Brachiopod
Kinderhook.
 3760 *Muensteria Oweni* Miss. Cephalopod
Burlington Co. Burlington, Pa.
 3761 *Zaphrentis Calcareus* Miss. coral.
Madison, La. Wocatch mts., Utah.
 3762 *Productus semireticulatus* Miss. Brachiopod.
coal.
 3763 *Dielsia bombus* Penn. Brachiopod.
La. Kas.
 3764 *Fusulina cylindrica* Penn. Protzoous
 3765 *Herbya crassa* Penn. Brachiopod.
coal. Littleton, Eng. B. Startz in Bonn.
 3766 *Gastrioceras listeri* Penn. Cephalopod.
Kas.
 3767 *Husledia mormoni* Penn. Brachiopod
coal. Ill.
 3768 *Bellerophon percarinatus* Penn. gastropod.
coal. Kas.
 3769 *Productus punctatus* Penn. Brachiopod.
Blacksmith Fork, Utah.
 3770 *Billingsella coloradensis* U. Camb. Brachiopod.
Shantung Province, China. Blackwelder.
 3771 *Acrothele matthewi* M. Camb. Brachiopod
Shantung Province, China. Blackw.
 3772 *Agnostus chinensis* M. Camb. Tril.
 3773 *Constellaria asteroides* Ord. Bryozoon
Richmond Sh. Wilmington, Ill. Blackwelder.
 3774 *Pterotheca attenuata* (Ord.) Gastropod
Trenton Ls. Middleton, Ill. Muhl.
 3775 *Ptychospira ulrichi* (Ord.) Trilobite
Oriskany (Dev.) La. Genevieve, Mo. Muhl.
 3776 *Eatonia peculiaris* Dev. Brachiopod
Oriskany Ls. (Dev.) La. Genevieve, Mo.
 3777 *Spirifer arrectus* Muhl. Dev. brachiopod
Oriskany Ls. (Dev.) La. Genevieve Co., Mo.
 3778 *Rhipidomella oblata* Muhl. Dev. Brach.
 3779 *Whitfieldella nitida* Niagara (Sil.) Sil. Brach.
Ohio. Coll. H. L. Powers.
 3780 *Pentamerus oblongus* Niagara (Sil.) Sil. Brach.
 3781 *Ambonychia acutirostra* Sil. Pelecypod.
 3782 *Favosites favosus* Sil. Coral
Niagara dolomite. Waldron, Ind.
 3783 *Diapharostoma niagarensis* Sil. Gastropod.
Unknown.
 3784 *Halysites catenulatus* Silurian. Sil. Coral
Mt. Stephen B.C. N. Camb.
 3785 *Neolenus serratus* M. Camb. Trilobite
Gaspereis shale. Stephen Form. Mt. Stephen, B.C.
 3786 *Scenella varians* N. Camb. Gastropod.
as above.
 3787 *Bathyriscus rotundatus* Camb. Brachiopod.
 3788 *Ogyropsis Klotz* Mt. Stephen B.C. N. Camb. Trilobite.
Glacial Drift at Madison, Wis.
 3789 *Dictionaria politus* U. Camb. Brach.
2 mi. nw. of York, Pa.
 3790 *Olenellus thompsoni* S. Camb. Tril.
 3791 *Telcent fisher* scales Benton Sh. Cut. Fish
Ero. Kentrie Valley, Wyo.

3792	<i>Rhamnus irregularis</i>	Dakota Gr. Ellsworth Co., Kan.	Upper Crut.	Plant
3793	<i>Pecopteris</i>	Coal. Wagon Creek, Ill.	Penn.	Plant
3794	<i>Neuropteris</i>	" " " "	Penn.	Plant
3795	<i>Lepidodendron</i>	Coal. Penn.	Penn.	Plant
3796	<i>Calamites</i>	Coal. Ohio.	Penn.	Plant
3797	<i>Productus nevadensis</i>	Park City (Penn.) Wind R. Mts., Wyo.	Penn.	Brach.
3798	<i>Fenestella</i>	Lo. Wasatch Mts., Utah. Miss.		Bryoz.
3799	<i>Murchisonia gracilitatis</i>	L. Triassic Lo. Bear Lake, Idaho.	Triassic	Ceph.
3800	<i>Gryphaea calceola</i>	U. Jura. S. Kentrie Mts., Wyo.	Jurassic	Pelec.
3801	<i>Dicellograptus politus</i>		Coarb.	Brachioz.
3802		Carex	Corn	Brachioz.
3803		"	"	"
3804		"	"	"
3805		"	"	Gastropod
3806		"	"	"
3807	<i>Machaeroprotopus validus</i>	Type specimen	Trias.	Vent. (complete skull)
3808	skull of small spec.		Trias.	Vent.
3809	Skull (Part) <i>Machaeroprotopus</i>		Triassic	Vertebrate
3810	<i>Angustorhinus</i> sp?			
3811	<i>Acromegaleia wingatensis</i>		Triassic	(Pebble) Vertebrate
3812	<i>Holopea breiti</i>		Cambrian	Gastropod
3813	<i>Dicellograptus</i>	Nw Sec 18 T2N, R1E, S12E, Minn.	Camb.	Trilobite
3814	<i>Styptelasma corniculatum</i>		Ord.	Corals
3815	<i>Holopea</i> sp.	Trenton, Ord.	Beloit	Gastropod
3816	<i>Cypicardites</i>		Ord.	Pelecypod
3817	<i>Pentamerus oblongus</i>	Walcott Ls. Rochester, N.Y.	Sil.	Brach.
3818	<i>Agnostus josepha</i>	Ret. - Hall & Clarke, 8, Pl. 70		
3819	<i>Sphaerocystites multifasciatus</i>	Trempealeau, Wis. U. Camb.		Tril.
3820	<i>Clinalograptus futilius</i>	"Manlius" (Meyser Ls.) Cumberland, Maryland.		Agnostoid
3821	<i>Productus longispinus</i>	Eden Sh. Cin., Ohio.		Gastropod
3822	<i>Lophocrinus</i> sp. nov?	Locality Unknown	Silurian	Crinoid
3823	<i>Caryocarpus ornatus</i>	Rochester Sh. Niagara region, also Clinton Ls. Wayne Co., Tenn.	Silurian	Agnostoid
3824	<i>Neokuk</i> Gr. Neokuk, La.		Miss.	Bryozoan
3825	<i>Lioclema punctatum</i>	U. Coal Measures. Kas. City, Kans.	Penn.	Brach.
3826	<i>Peticularia pseudolineata</i>	Neokuk Ls. Lanesville, Ind.	Miss.	"
3827	<i>Aulopora cornuta</i>	Constropheodonta Hemispheria		Coral
3828	<i>Jeffersonville</i> ? Ls.			
3829	<i>Charlestown</i> , Ind.			

Maquoketa - Diplograptus sh.

- 3828 *Diplograptus pectatus* ^{Holl.} E. Iowa Ord. Graptolite
- 3829 *Pentamerus oblongus* ^{Walcott's} Silurian Rochester N.Y. Brach.
- 3830 *Onondaga Co. Helderberg Mts.?* Oldham Co., Ky. " L.C. Lang coll. "
- 3831 *Isotelus gigas platycephalus* Ord. Richmond beds Ind. Trilobite
- 3832 *Productus costatus* coal measures Brach.
- 3833 *Isotelus gigas* Trenton Ls. Ord. Trenton Falls, N.Y. Trilobite
- 3834 ~~*Onchidium thompsoni* Camb.~~ Trilobite
- 3835 *Platyceras dumosum* ^{Algonian} Lower Magnesian dolomite Gastropod
- 3836 *Marshall, Richmond Co. Ord.* " "
- 3837 *Rhynchotrema capax* ^{E. Shore L. Winnebago.} Cinn. Sh. Ord. Brach.
- 3838 *Platystrophia bifurcata* ^{E. Shore L. Winnebago.} Cinn. Sh. " "
- 3839 *Scolithus worm borings* ^{Wisconsin} Cambrian Vermes.
- 3840 *Rhynchonella perlamellosa* Ord. Cinn. Sh. Delafield, Wis. Wis. Geol. Survey Vol. 4, p. 265. Brach.
- 3841 *Fistulifera lens* ^{Cinn. Sh.} Delafield, Wis. " Wis. Geol. Survey, Vol. 3, p. 256. " "
- 3842 *Orthis subquadrata* ^{Iron Ridge, Wis.} (Hall) Cinn. Sh. " " "
- 3843 ~~*Spizifer*~~ ^{Niagara, Manitowoc Co., Wis. Coll. Dr. L. Falgout.} Silurian. Pelagopod
- 3844 *Leperditia fonticola* ^{Byron, Wis.} Niagara, " Ostreod.
- 3845 ~~*Dicellogomus politus* (Hall)~~ ^{Eau Claire Form.} ~~*Obolus politus*~~ Trempealeau Valley, Wis. Brach.
- 3846 *Slabos Trenton Dol.* ^{Fed. Mine} G.M. Scharitz, 1913. Hazel Green, Wis. Ordovician " "
- 3847 ~~*Strophomena kingii* Cinn. Sh.~~ ^{Robt's Quarry, Delafield} Wis. Geol. Survey, Vol. 3, p. 261. " "
- 3848 *Strophomena thalia* ^{Delafield, Robt's quarry,} Cinn. Sh. " "
- 3849 *Cypriocardites nota* ^{Trenton dolomite} Beloit. Coll. H.C. Powers. Pelag.
- 3850 *Xolopia ampla* " " Gastropod.
- 3851 *Lituites* " " Cephal.
- 3852 *Favosites limitaris* ^{Der.} " Coral.
- 3853 *Modern coral from Barbados Isl.?* ^{Showing borings of mussels.} " "
- 3854 *Worm borings* ^{1 mile east of Winga Park, Madison, Wis.} from top of Madison ls. Cambrian. " "
- 3855 " ^{Baraboo, Wis.} " " "
- 3856 " Recent Echinoid
- 3857 *Modern Echinoderms from Long Is.* Coll. J.M. Vessup. " "
- 3858 " Crinoid.
- 3859 *Encrinurus liliformis* ^{u. Zria.} Braunschweig. Triassic " "
- 3860 *Productus* " " Brachiofod.
- 3861 *Rhynchonella endlichi* " " "
- 3862 *Productus costatus* " " "
- 3863 ~~*Helatella*~~ ^{Robt's quarry, Delafield, Wis.} *Orthis occidentalis* Cinn. Sh. Ord. Brach.
- 3864 *Orthis occidentalis* Cinn. Sh. Ord. " "

- 3866 *Gomphoceras breviceps* ^{Milw.} Der.
- 3867 *Prionostropis boerianus* — Cephalopod.
- 3868 *Baculites oratus* — "
- 3869 *Libellocephalus* Cambrian. Trilobite
- 3870 *Spirophyton Caudi-Salli* Devonian Plant
 & Sage Schales, Osage Co. Col. M. C. Mehl. Ref. - Bull. 179, U.S. & S. (March)
- 3871 *Toothprints* Coal: Kas. Coal Meas. Vertebrate.
- 3872 *Neuropteris cyclopteris* Carboniferous Plant
- 3873 *Sigillaria* Coal measures. Plant
- 3874 *Syringothyris* Miss. Brach.
- 3875 *Oriskany Limestone* Ste Genevieve CO. Der. Mammal.
- 3876 *Rhinoceras* Mammal.
- 3877 *Orthis pectinella* Ord. Brach.
- 3878 *Dalmanella subcognata* " "
- 3879 *Orthis Testudinaria* " "
- 3880 *Gyroceras eryx* Der. Ceph.
- 3881 (Chain coral sturgeon Bay Wis) Silurian Coral.
- 3882 *Camarotoechia neglecta* (Hall) Sil. 1001 Brach
- 3883 *Schuchertella? pecten* " 1001 "
- 3884 *Rhynchonella? cf. paula* " 1001 "
- 3885 *Dalmanella cf. elegantula* " " "
- 3886 *Atrypa reticularis* " " "
- 3887 *Pentamerus oblongus* " " "
- 3888 *Rhynchotrema capax* Ord. " "
- 3889 *Zaphrentis cf. turbinata* Sil " Coral
- 3890 *Halysites catenulana* " " "
- 3891 *Favosites venustum* " " "
- 3892 *Crinoid stem* Sil. " Uninv.
- 3893 *Hematopora cf. micropora* " " Bry. gart.
- 3894 *Hallopora cf. elegantula* " " Bry.
- 3895 *Pleurotomaria? sp* " " gart
- 3896 *Cornulites cf. Clinton* Ord. " Verme.
- 3897 *Conglomerate about Silurian Coral Reef* 1002 37 Side Burgen Ridge
- 3898 *Strophomena leptana enclappa* " "
- 3899 *Dalmanella elegantula* (Dalman) " Kintchamy
- 3900 *Chonetes striatella* " " Dugia flags, near Boker
- 3901 *Spongiotrama holmi* " " Clinton beds near Burgen Ridge
- 3902 *Dugia nana* " " Dugia flags, Burgen Ridge

Fossils from chert gravel of unknown age. Collected by LAWRENCE MARTIN, August 1916 at summit of, and track up, East Bluff, Devil's Lake, Section 24, 11-6E, Sack County, Wisconsin. Identified by W. H. TWENHOFEL, 1916

Silurian, collected by W. H. TWENHOFEL, in part by W. H. TWENHOFEL, in part by Yale University Mus. Ident. 1917

Tertiary Fossils Collected & Donated by ROY A. REYNOLDS, Spring 1918

Lower Peachtree, Anticline, Alabama

Pennsylvanian and Permian, 1003

Siberian. collected by W.H. TWEENHOFEL at
Gotland, Sweden, summer 1914. Donated in
part by W.H. TWEENHOFEL, in part by Yale
University Museum. Ident.: W.H. TWEENHOFEL.

Tertiary Fossils Collected & Donated by Roy A. REYNOLDS, Spring 1918

Pennsylvanian and Permian fossils
collected & donated by W.H. TWEENHOFEL,
1918, southern Kansas and Okla.

- 3903 *Syringopora cf. fascicularis* 1002 *Elionia* bed, Ostergain
- 3904 *Rafinesquina compressa* " Ostergain, Raji flags
- 3905 *Sphaerocodium gothlandicum* " Top of lower *Sphaerocodium*
beds, Roselham
- 3906 *Palmanella elegantula* (Palman) " Flintham
- 3907 *Labechia conferta* with *spongiosum* " *Elionia* 3/4 m NE of
Bugsvik
- 3906 *Strophomena funiculata* " "
- 3908 *Camartoechia borealis* " "
- 3909 *Leptaena rhomboidalis* " Visby
- 3910 *Darja ovicula* " Rajai flags, Lambacher
- 20310 3911 Shark's Teeth 1003 *Manafalia* & *Wilox* form.
- 20242 3912 *Gryphaea thursae* " Clark & *Wilox* Co.
Woods Bluff or Baskin mark
- 3913 *Crassatella* sp. " *Wilox* (Cynthe) or Woods Bluff
Belle Isle, mark - *Wilox* form.
- 20213 3914 *Ostrea compressirostra* Say " Lower Peach Tree, *Wilox* Co.
Belle Isle mark - Yellow Bluff, *Wilox* Co.
- 20103 3915 *Oliva cf. constricta*, Lea " Woods Bl or Baskin mark - *Wilox* (Cynthe)
form - Woods Bluff.
- 20106 3916 *Voluta sagana* " Same
- 20104 3917 *Natica actites* Conrad " Same
- 20099 3918 *Turritella* sp. " Same
- 20227 3919 *Astarte* sp. " Same
- 20105 3920 *Tornatellaea* sp. cf. *bella* " Same
- 20103 3921 *Solarium* sp. " Same
- 20211 3922 *Venericardia Danicosti* Lamarch " Same
- 20101 3923 *Pleurotoma* sp. " Same
- 20288 3924 *Balanophyllia cf. haleana* C.H. " Same
- 20308 3925 Crayfish " Hatcheliggell Clays, Ecene
Woods Bluff, Tombigbee R.
- 3926 Fossil Wood / < " *Tallahatchee* *bushstone*, Clarke's.
- 20213 3927 *Ostrea compressirostra* Say " Belle Isle mark, Ecene, Lower
Peach Tree, Alabama R.
- 20100 3928 *Turritella* sp. " Same
- 20205 3929 *Venericardia Danicosti* Lamarch " Same
- 2008 3930 *Pleurotoma* sp. Donor: Mrs. A.J. EDMONDS 1004 Jurassic, England
- 3931 Coral in chert forming UW60181 1005 Foraker ls, SE. Cowley Co., Kas.
- 3932 *Anelopora*? cf. *anna*. " " " SW " " "
- 3933 *Myalina subquadrata* " W. shale just below Itasca ls.
Elk City, Kas.
- 3934 *Fusulina scutellata* " sh. below Foraker ls. 3 m W of
Cedarvale, Kas.
- 3935 *Productus nebraskensis* " sh. at base of Cottonwood ls, S of
Qto, Kas.
- 3936 Fern *Mariopteris* " Permian Red Beds, Garberfield, Kas.
- 3937 *Comptonia sublobata* " Winfield ls, Permian, Mervine, Kay Co, Okla.
- 3938 *Productus arceolaria* " sh. below Foraker ls, 3 m W of Cedarvale,
Kas.

Page Images not Available

**Missing Pages
113 - 114**

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3950-4052

Upper Cambrian
Madison Sandstone
Pavacks Quarry
Madison, Wis.Collected by
F. T. THWAITES,
S. WEIDMAN,
and
MAURICE G. MEHL
1915

1009

1010

1 1/4 m W of Black Earth

1010

Dolomite
Disconsin.
T. THWAITES,
MAURICE G. MEHL, 1915~~Pecten *Strophomena*, up. *Phigorene* marl, "Doburg" near Bünde, Westphalia~~

4053-4120

Upper Cambrian, Black Earth
1 1/4 miles west of Black Earth,
Collected by FREDERICK T. THWAITES,
SAMUEL WEIDMAN, and
MAURICE G. MEHL, 1915Upper *Phigorene* marl. Domes: on 1/2 m.
Doburg near Bünde, Westphalia*Cyprina verassata*

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1010

Earth Dolomite.

Earth, Disconsin.

FREDERICK T. THWAITES,
MAURICE G. MEHL, 1915

4053 - 4120

Upper Cambrian, Black

1 1/4 miles west of Black

specimens collected by
SAMUEL WEIDMAN, and

Upper Cambrian, Mendota

Dolomite (upper layers)

Collected by FREDERICK T. THWAITES, SAMUEL WEIDMAN, and MAURICE G. MEHL, 1915

1011

Maple Bluff, Madison

Maple Bluff, Madison, Wis.

4123	Upper Cambrian, Mendota Dolomite (upper layers) Maple Bluff, Madison, Wis. Collected by FREDERICK T. THWAINES, SAMUEL WEIDMAN, and MAURICE G. MEHL, 1915.	
4124		
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4131	Upper Cambrian, Devils Lake Sandstone. Woods of Cahoon ^{Cahoon} Quarry, west of Baraboo, Wis. Collector: MAURICE G. MEHL (1915)?	1011
4132		
4133		1012
4134		Woods quarry, Baraboo
4135		
4136	Upper Cambrian, Mendota Dolomite Woods of Cahoon west of Quarry, Baraboo, Wis. Collector: MAURICE G. MEHL, 1915?	1013
4137		Woods quarry, Baraboo
4138		
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4141	Upper Cambrian, "Devils Lake Sandstone" Alps Farm, north of Devils Lake, Wisconsin. Collector: MAURICE G. MEHL, 1915?	1014
4142		The Alps, Devils Lake
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- upper Cambrian, Mendota Dolomite
From "toadstool", Maple Bluff, Madison, Wis.
Collector: Maurice G. Mehner, 1915?

Upper Cambrian, Trempealeau Group,
middle of St. Lawrence Formation,
upper beds of Mendota Limestone Member.
Near "toadstool", Maple Bluff.
Madison, Wisconsin.
collected by ULRICH,
WILLIAM O. HOTCHKISS,
SAMUEL WEIDMAN,
FREDERICK T. THWAITES, July 1914
(collected by MAURICE G. MEHL, 1915?)

1015

1015

- Pleurotomaria* sp.
Pentamerus, sp
Strombodes *mamilla*
Lyellia cf. *americana* E.
 Cup corals
 Crinoid segment
Halyzites catenularia
Lyellia americana.
 Piece of *Cyrtophyllum*
 Cup corals
Favosites magarensis
Helipora, sp
 Pseudo...
Pseudohonera sp

9101

Ostracod 4224-4289

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100	1/1

Collector: W. H. T. W. E. N. H. O. F. E. L.

Corals, Silurian, Door Gunth 1/1.

Collector: W. H. T. W. E. N. H. O. F. E. L.

From gravels of Cretaceous

Collector: W.H. TWENHOFEL

Corals. Silurian. Door
County 17.

Recat
11
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Recat
no. 11
1

6826-4274

From gravels of Cretaceous?
age, Windsor gravels.
Summit, Monroe County, Wis.
Collector: W.H. TWENHOFFEL &
FREDERICK T. THURITES
1917

1010

- 4197 *Fistulapora* sp
4198 *Cladapora* sp
4199 *Cystodictya* sp
4200 *Eriothypa* sp (no number on this - too small)

4201 *Bumastus niagarensis* (Whitfield) Wauwatosa, Wis.

4202 Permian brachs. Canyon of Snake R., opposite Horseshoe Falls, E. Steidman

1010
1967 4203 *Paradema*
~~*Albia*~~ *subquadrata* - Trenton - Fox Creek hill, 1 m from Allenton, Mo (Dunshel)

Collector: W.H. TWENHOFFEL
1921 4204 *Gryphaea calceola* var *nebrashensis* - Meek & Hayden
western foothills, Carbon Co., Montana, Pryor Mts. 1017

4205 *Belemnites densus* Meek & Hayden, Sundance formation, same
loc as above. 1018 ↓

4206 *Spirifer camaratus*, Strawn Kas, horizon of Beer Creek ls, Penna

4207 *Myalina subquadrata*, near Strawn, Kas like above

4208 *Productus semireticulatus*, Oread ls. (Penn) Toronto, Kas.

4209 *Chonetes verneuillium* like above

4210 *Pugnax* ~~utah~~, like above

4211 *Chonetes granifer*, like above

4212 *Lophophyllum westi*, like above

4213 *Composita subtilita*, like above

4214 Crinoid stems, Oread ls, Penn, NW. Windsor Co., Kas.

4215 *Myalina subquadrata*, Oread ls, Penn, Toronto, Kas.

4216 *Campophyllum Torquinum*, upper Oread ls, between Toronto & Yates Co.

4217 *Fusulina secalga*, as above ↑

4218 *Syringopora multaternati*, as above. 1018

4219 *Favosites niagarensis* - Niagara, Beer Co. Wis. 1019

4220 " *farosus* " " " "

4221 " " " " " "

4222 *Halsytes catenulatus* " " " "

4223 *Stromboides pentagonus* " " " "

4224 *Clathrodictyon venulosum* Unknown

4225 *Orthis* ~~dictyon~~ with species of *Parabucina* (*P. abnormis* & *P. spinosa*) 1020

4226 *Lepidodictya acta* (Conrad) Silurian (Mc Kenzie) Anversland, Md. "

4227 *Ctenobolbina ciliata* (Emmons) Cincinnati (Eden) Covington, Ky "

4228 *Bollia regularis* (Emmons) with other *Orthis*, Richmond (Aenheim), Oxford, O. "

4229 *Zygobolbina emaiata* (x100) Lower Clinton, 4 1/2 m NW Mercersburg, Pa. "

4230 *Isochilina gregaria* (Whitfield) Canadian (Beckmantown) Acad. L. Chapman

Collector: W.H. TWENHOFFEL
Pennsylvanian, near Toronto, Kansas

Corals, Silurian, Door
County, Wisconsin.
Donor: GRANT FITCH

Recatalogued
1020
1281

Recatalogued
no. 1276

OSTRACODS
4224-4229
Source: U.S. Natl. Museum
by BASSLER

- 4231 *Leperditia elongata* (Weller) Helderbergian, Big Stone Gp., Va. 1020 cont
- 4232 { 1. *Paraechmina portia* (V&B)
2. *Dizygopleura symmetrica* (Hall) } Clinton, upper - Rochester, Cumberland, Md. "
- 4233 *Leperditia caccigens* (Miller) Richmond gr., near Madison, Ind. "
- 4234 *Ostracoda* (*Bonemania* etc.) in sandstone - Clinton gr., Powell Mt., Tenn. "
- 4235 *Beyrichiella gregaria* (V&B) coal measures, Kansas City, Mo. "
- 4236 *Emyschilina subradiata* (Ulich) Black R. gr. (Decorah sh.) Mpls., Minn. "
- 4237 *Tetradella quadrilobata* (Hall) Richmond (Waynesville) Oregon, O. "
- 4238 *Reparrella richardsoni* (Miller) Silurian (Richmond), Wilmington, O. "
- Recatalogued 1020 1283 4239 *Enchloedenella umbilicata* & other ostracoda (V&B) Silurian McKenzie form near base, Flint sh., Md. "
- Recatalogued 1020 1279 4240 *Primitia cinnamomea* (Miller) Silurian (Richmond) Oxford, O. "
- 4241 *Octonaria arcta* (Ulich) Niagara (Rochester), Lockport, N.Y. "
- 4242 *Coelocylindrella striatopunctata* (Miller) Silurian (Richmond) 8 mi. N. Madison, Ind. "
- 4243 *Aparchita minutissima* (Hall) Trenton (Collingwood) Collingwood, Ont. "
- Recatalogued 1020 1278 4244 *Paraechmina abnormis* (Ulich) Niagara (Rochester) Lockport, N.Y. "
- Recatalogued under 1020 1277 4245 { *Zygobeyrichia regina*
" *ventripunctata* } (V&B), Silurian (upper Tonoloway), Keyser, W. Va. "
- 4246 { 1. *Ceratopsis chamberi* (Miller)
2. *Bollia persulcata* (Ulich)
3. *Octonaria bicava* (V&B) } Cincinnati (Eden) Covington, Ky. "
- 4247 *Ceratopsis intermedia* (Ulich) Trenton (Cynthiana ls.) Covington, Ky. "
- 4248A *Itallidella retifer* (Ulich) Devonian (Onondaga) Falls of Ohio "
- B *Primitiella unicornis* (Ulich) Cincinnati (Eden sh.) Covington, Ky. "
- 4249A *Tonesella pedigera* (Ulich) Cincinnati (Eden) Covington, Ky. "
- B " *eripidiformis* (Ulich) " " " "
- 4250A *Pachydomella timida* (Ulich) Devonian (Onondaga) Falls of O. "
- B *Octonaria stigmata* (Ulich) " " " "
- Disposed 4251 *Zygobolbina bisinuata* (V&B) } Clinton, Cumberland, Md. "
" *arcta* " } Squeezed of type - probably spotted
- 4252 *Primitiopsis punctulifera* (Hall) Dev. (Hamilton) Bedford, Ont. "
- 4253 *Leperditella labellata* (Tones) Chazyan Aglmer, Quebec "
- 4254 *Kloedenia kimmeli* (Weller) Helderbergian (Keyser ls.) New Bloomfield, Pa. "
- Recatalogued 1020 1282 4255 *Dizygopleura acuminata* etc. (V&B) Silurian (McKenzie) Cumberland, Md. "
- 4256 *Ceratopsis oculifera* (Hall) Cincinnati (Mayville) Cincinnati, O. "
- 4257A *Beyrichia tuberculata* (Kloeden) Silurian near Kilinbekham, Gotland "
- B *Thelipsura v. scripta*, (Tones) Sil. " " " "
- 4258 *Zygobolbina conrad* (V&B) Middle Clinton, Cumberland, Md. Squeezed of type "
- 4259A *Leperditella timida* (Ulich) Black River (Lowville ls.) Highbridge, Ky. "
- B *Bollia obesa* (Ulich) Devonian (Onondaga) Falls of Ohio "
- 422

- 4260A *Drepanella crassimoda* (Ulrich) Black River (Lowville ls) High Bridge, Ky. cont 1020
- LB *Drepanellina clarki* (U&B) Upper Clinton, Cumberland, Md.
- 4261 *Zygobolbina conradi* var *latimarginata* (U&B) Middle Clinton, Armuchee, Ga. cast of type
- B *Zygobolbina conradi* (U&B) Middle Clinton, Cumberland, Md. Squeeze of type
- 4262A *Cypridiana subolata* (U&B) Coal Measures, Lawrence, Kansas
- B *Stenobolbina ciliata* (Emmons) Cincinnati (Eden) Covington, Ky
- 4263 *Leperditia nashvillensis* (U&B) Mohawkian (Cathay ls) Nashville, Tenn
- 4264 *Leperditia cylindrica* (Hall) Silurian (Medina ss) Medina, N.Y.
- 4265 *Saffordella muralis* (U&B) Mohawkian (Cathay ls) Nashville, Tenn
- 4266 *Welleria obliqua* (U&B) Silurian (Lower Tonoloway) Keyser, W. Va
also *Pizygolena hall* and *D. similis* (U&B)
- 4267 *Kluedenia normalis* (U&B) Silurian (Wills Creek) Flintstone, Md
- 4268 *Kluedenia longula* (U&B) " " " "
- 4269 *Paracelmira spinosa* (Hall) Niagara (Rochester) Lockport, N.Y.
- 4270A *Martigobolbina vanuxemi* (U&B) Middle Clinton, Cumberland Gap, Tenn squeeze
- B *Zygosella vallata* & *Z. macra* (U&B) " " Williamsport, Va
- 4271A *Mesomphalus hartleyi* (U&B) Devonian (Keyser ls) Keyser, W. Va m.c.
- B *Craterellina robustus* (U&B) Devonian (Oriskany) Cash Valley, Md. squeeze
- 4272A *Schmidtella umbonata* (Ulrich) Black River (Deerwah sh) St. Paul, Minn
- B *Paraparchites carbonarius* (Hall) Mississippian (Spergen) Spargen Hall, Ind
- 4273A *Beyrichia holmadini* (Jones) Devonian (Onondaga) Falls of Ohio
- B *Beyrichilina punctastriata* (Ulrich) " " " "
- 4274A Squeeze of type - *Bonnemania rudis* (U&B) Upper Clinton, Powell mt., Tenn
- B *Bonnemania obliqua* (U&B) " " " "
- 4275A *Discanella lyonesi* (Miller) Cincinnati (Eden sh) Covington, Ky
- B *Trochilina seelyi* (Whitfield) Canadian (Beekmantown) Shickham, VT
- 4276 *Zygobolba* (Gun R. species) Clinton (Williamson sh) Rochester, N.Y.
- 4277 *Leperditia cylindrica* (Hall) Silurian (Medina ss) Lockport, N.Y. (select)
- 4278A *Bonnemania perlonga* (U&B) Upper Clinton, Shale Cabin Gap, Md. not squeezed
- B *Bonnemania rudis* (U&B) " " Powell mt., Tenn squeeze
- 4279 *Bythorypis cylindrica* (Hall) Richmond gr, Blanchester, O
- 4280 *Ballia regularis* (Emmons) Silurian (Richmond) Oxford, O
- 4281A *Zygobolba rectangularis* (U&B) Silurian (Gun R. zone) East Cliff, Antwerp
- B *Primitiella constricta* (Ulrich) Black R (Lowville) High Bridge, Ky
- 4282A *Primitia lativina* (Ulrich) Richmond (Charlton) Nid de Corbeil, Antwerp
- B *Beyrichia ? emariata* (U&B) Coal Measures 6m W. Recce, Va

Recatalogued
under
no. 11020
1286
Recatalogued
under no. 11020
1285
Recatalogued
under 11020
1284

FROM

- 4283 # *Entomis waldronensis* (Urb.) Niagara (Waldron) Waldron, Ind, cont of type
- 4284 A *Martigobolbina bifida* (U&B) Upper Clinton, Powell Mt, Tennessee
- B *Martigobolbina lata* (Hall) Middle Clinton, Cumberland, Md " "
- 4285 A *Bythocypris phillipsiana* (J.H.) Silurian near Klutehan, Gotland - "
- B *Primitopsis planifrons* (Jones) Silurian " " " "
- 4286 A *Beyrichia clavata* (Kolmollin) Silurian " " " "
- B *Ctenobellina auricularis* (Jones) Silurian " " " "
- 4287 A *Dizygopleura costata* (U&B) Silurian (upper Tonoloway) Keyser, W Va "
- B *Hallbella fissurella* (U&B) " " " "
- 4288 A *Ceratopsis chamberi* (Miller) Black R (Decorah) St Paul, Minn "
- B " *oculifera* (Hall) Cincinnati (Maysville) Cincinnati, O "
- 4289 *Leperditia fabulites* (Conrad) Stones R. (Bar Lebanon) Lebanon, Tenn "
- 4290 Fish scales - Kootenay, Nordegg, Alb. (lower 200') 1021
- 4291 *Ginkgo arctica* (Heer) " " " (assoc. with coal, lower part) "
- 4292 *Nilsonia nigrocollensis* (Wieland) " " " " " "
- 4293 *Sagenopterus nervosa* (Fontaine) " " " " " "
- 4294 *Sequoia heterophylla* (Velen) Sanders fm, beds 200' below coal, Sanderson Creek, Alberta
- 4295 *Platanus* sp " " beds above coal, Bladitine R. "
- 4296 *Sequoia heterophylla* (Velen) Sanders fm, beds 200' below coal, Sanderson Creek, Alberta
- 4297 *Sagenopterus nervosa* (Fontaine) Kootenay, beds assoc with lower coal, Nordegg, Alberta "
- 4298 *Triplisia antiochiensis* - Brook in W Jupiter R, Jupiter R. fm, Antioch Island, W.H. Twiss, Sept. 1919 1022
- 4299 *Lunatia (Tylotoma) federnalis* - Glen Rose beds, Comanchean, Ft. Stockton, Texas 1023
- 4300 *Pholadomya sancti* - Fredericksburg - Comanchean - Same "
- 4301 *Belemnites densus* - Sanderson formation, Sanderson, Montana (R.N. Belemnites) "
- 4302 *Lima wacoensis* Fredericksburg, Comanchean, Same "
- 4303 *Tylotoma tumida* Same as above "
- 4304 *Pectypa rostelliter* same 4299-4304 Texas "
- 4305 *Anchura* sp same
- 4306 *Pelecypod moulds* same
- 4307 *Cerithium bosqueense* same
- 4308 *Protocardia texana* same
- 4309 *Kingia wacoensis* same
- 4310 *Pecten texanus* same
- 4311 *Gryphala macronata* same
- Donor: H. J. Weeks, 1924, Fredericksburg and Ft. Stockton, Texas

Coal Shale, fossils,
Nordegg and Saunders Creek area
Alberta, Canada.
Donor: R.T. RUTHERFORD

See $\begin{array}{r} 4298 \\ \underline{1391} \\ 1754 \end{array}$

$$\begin{array}{r} 10 \\ \hline 2442 \\ \hline 4299 \end{array}$$
$$\begin{array}{r} 10 \\ 2382 \\ \hline 4300 \end{array}$$
$$\begin{array}{r} 4301 \\ \underline{0} \\ 2375 \end{array}$$
$$\begin{array}{r} \text{Lb} \\ 2441 \\ \hline 7.302 \end{array}$$
$$\begin{array}{r} 1502 \\ 2454 \\ \hline 4304 \end{array}$$

344 ~~7305~~
10
151

0
345 ~~7306~~

253 ~~4307~~

2410
~~1309~~

Lower Cretaceous
Fredericksburg and Ft. St. John, Texas
Donor: H. J. Woots, 1924
4299-6622
as above

4-299-4311 1023

~~Donor~~ Lower Cretaceous,
Comanchean. Fredericksburg and
Ft Stockton, Texas
Donor: H. J. WEEKS, 1929 1023

4310 *Exogyra texana* same

2567 4311 *Enallaster texana* same

4312 *Lunatia* (*Tylostoma*) *pedunculata* Glen Rose, Texas. Same Formation

2009 4312 *Belemnites densus*. Sundance Formation, Tennesse, Montana.
R.N. Bramlette 1924 1024

4313 *Atikohama lawsoni*. Steep Rock Lake Ontario, Canada
Donor: C. K. Nixon, 1921 1025

4314 *Cystodictya hamiltonensis*. Milwaukee form. Milwaukee, Wis. 1026

4315 *Chonetes schucherti*, etc " " " "

4316 *Petalotrypa compressa* " " " "

4317 *Spirifer eurytmes milwaukeeensis* Zone B " " "

4318 *Chonetes vicinus*, Lake Champlain, Ontario Co. " form. "

4319 *Chonetes schucherti* Milwaukee " " "

4320 *Tentaculites bellulus* " " "

4321 *Spirifer subvaricosus* " zone C " " "

4322 *Strophodontia perplana* etc " " "

4323 *Conularia congregata milwaukeeensis* " " "

4324 *Spirifer eurytmes milwaukeeensis* " " "

4325 *Strophodontia perplana* etc (young shells) " " "

4326 *Cyrtina hamiltonensis* " " "

4327 *Tentaculites bellulus* - *Strophopora lowensis* - *Cystodictya hamiltonensis* " " "

4328 *Pholidostrophia lowensis* etc " " "

4329 *Ceratopora agglomerata* " " "

4330 *Ceratopora jacksoni* (?) " " "

4331 *Orthisella monticola* (white) Zone B " " "

4332 *Aulopora serpens* on *Strophodontia halli* " " "

4333 *Strophodontia halli* " " "

4334 *Spirifer lowensis* " " "

4335 *Lioclema minutissimum* " " "

4336 *Chonetes schucherti* on brachiopods " " "

4337 *Spifer aspis* Hall Zone A Dev. " " "

4338 *Tentaculites bellulus*, *Chonetes vicinus* (split) " " "

4339 *Liothyris greeni* " " "

4340 *Cystodictya hamiltonensis* + *Spifer subvaricosus* " " "

4341 *Chonetes schucherti* " " "

4342 *Strophodontia halli* " " "

4343 *Strophodontia perplans* " " "

Devonian, Milwaukee Formation.
Donor: GILBERT OSCAR RAASCH, 1924
Milwaukee, Wisconsin

4311

- 4344 *Atrypa hystrix*, etc Milwaukee form. Ber., Milwaukee, Wis. 1926
- 4345 *Spirifer subuarius* Zone B " " " " "
- 4346 *Stropheodonta halli* — " " " " "
- 4347 *Spirifer iowensis* Owen Zone B " " " " "
- 4348 *Orbigynella tenera* on curved columns " " " " "
- 4349 *Aulopora serpens* " " " " "
- 4350 *Athyris fultonensis* Zone C " " " " "
- 4350A *Stropheodonta perplana* " " " " "
- 4351 *Chonetes schucherti* with *Spirifer* " " " " "
- 4352 *Aulopora annectens* with *Stropheodonta perplana* " " " " "
- 4353 *Schuchertella channingensis* var. *aristriata*,
with *Chonetes* etc " " " " "
- 4354 *Ceratopora flabellata* " " " " "
- 4355 *Schizophoria striatula* " " " " "
- 4356 Scale Zone A " " " " "
- 4357 *Phacops rana* Zone C " " " " "
- 4358 *Orbigynella tenera* on *Atrypa*
with *Spirifer omphalodes* " " " " "
- 4359 *Spirifer iowensis* Owen Zone A " " " " "
- 4360 *Spirifer omphalodes* " " " " "
- 4361 *Spirifer subuarius* H & W Zone A " " " " "
- 4362 *Palaeonites constricta* Zone B " " " " "
- 4363 *Fenestella vera*, Ulrich " " " " "
- 4364 *Cranera iowensis* (Calvin) Zone C " " " " "
- 4365 *Stropheodonta perplana* " " " " "
- 4366 *Hederella filiformis* on *Cranera* " " " " "
- 4367 *Athyris fultonensis* & *S. subuarius* Zone C " " " " "
- 4368 *Hederella filiformis* " " " " "
- 4369 *Spirifer iowensis* { *Spinocyrtia iowensis* (OWEN) Berthelet mbr.
Mid. Devonian, Milwaukee Fm. (Lindworm "member?")
(Lincoln or Estabrook Park?) Milwaukee, Wisconsin
Donor: GILBERT OSCAR RAASCH, 1924. " " " " "
- 4370 *Cyrtodictya hamiltonensis* & *Stropheodonta perplana* " " " " "
- 4371 *Spirifer iowensis* Owen Zone A " " " " "
- 4372 *Stropheodonta perplana* Zone A " " " " "
- 4373 *Orpiculoides telleri* Cleland Zone A " " " " "
- 4374 *Stropheodonta halli* with *Chonetes* " " " " "
- 4375 *Cranella hamiltoni* Zone C " " " " "
- 4376 on *S. eurytina* milwaukeeensis
Strophopora iowensis " " " " "
- 4377 *Atrypa reticularis* " " " " "

4378 - 4431	Upper Cambrian, Trempealeau Formation, SW Wisconsin	Donor: GILBERT OSCAR RAASCH, 1925	1027	4378	(1)	<i>Dikelocephalus minnesotensis</i>	pygidium	Spring Green, Wis	1027
				4379	(2)	"	"	Richland center	
				4380	(3)	"	"	cranium Spring Green	
				4381	(4)	Do			
				4382	(5)	Do			
				4383	(6)	<i>Dike. minnesotensis</i>	free cheeks & segment	Richland center	
				4384	(7)	"	segment	Spring Green	
				4385	(8)	"	free cheeks	" "	
				4386	(9)	<i>Sauria crassimargata</i>	cranium	mouth of Wilson Creek, Sauk Co	
				4387	(10)	<i>Tellaenurus quadratus</i>	cranium	" " " "	
				4388	(11)	<i>Dendrograptus hallani</i>		Richland center	
				4389	(12)	<i>Sauria crassimargata</i>	cranium	Lone Rock	
				4390	(13)	" <i>lodensis</i>	crania	" "	
				4391	(14)	<i>Tellaenurus quadratus</i>	segment	" "	
				4392	(15)	"	part of thorax	Richland Center	
				4393	(16)	"	segment	Lone Rock	
				4394	(17)	<i>Dikelocephalus (granulose)</i>	cranium	" "	
				4395	(18)	"	"	" "	
				4396	(19)	"	"	" "	
				4397	(20)	<i>Tellaenurus quadratus</i>	"	" "	
				4398	(21)	"	"	pygidium Spring Green	
				4399	(22)	<i>Dendrograptus hallani</i>		Richland center	
				4400	(23)	"	"	" "	
				4401	(24)	<i>Tellaenurus quadratus</i>	cranium	Lone Rock	
				4402	(25)	"	"	Spring Green	
				4403	(26)	"	"	Richland Center	
				4404	(28)	<i>Sauria lodensis</i>	free cheeks	Lone Rock	
				4405	(29)	"	"	" "	
				4406	(32)	<i>Dikelocephalus minnesotensis</i>	free cheeks	Richland Center	
				4407	(34)	"	"	pygidium " "	
				4408	(35)	"	"	free cheeks " "	
				4409	(36)	<i>Oboleus (Westonia) aurora</i>		Spring Green	
				4410	(37)	"	"	"	
				4411	(38)	"	"	"	
				4412	(39)	"	"	"	
				4413	(40)	"	"	"	
				4414	(41)	"	"	"	

4378 - 4431 Devonian, Mtuotokee Formation, 126
Mtuotokee Division, Donor: 4415 1925
4416 1925
4417 1925
4418 1925
4419 1925
4420 1925
4421 1925
4422 1925
4423 1925
4424 1925
4425 1925
4426 1925
4427 1925
4428 1925
4429 1925
4430 1925
4431 1925

- 4378-4431 Devonian, Attitash Formation, New Hampshire, U.S. Geol. Survey, 1880-1881. 4432-4450 Trempealeau Formation, S.W. Wisconsin, 1880-1881.
- 4415 (42) *Lingulella ovari* Spring green
4416 (43) " " "
4417 (44) " " "
4418 (45) " " "
4419 (46) *Oolus* (*Wetmorea*) *stearnsi* Prairie du Sac
4420 (47) " " " "
4421 (48) *Sauria crassimarginata*, *Tetrasurus quadratus* etc. Lone Rock
4422 (49) " " " "
4423 (50) *Lingulella vinosa* Spring green
4424 (51) " " "
4425 (52) " " "
4426 (53) " " "
4427 (54) Telson of mudstone " "
4428 (55) " " Lone Rock
4429 (56) *Lingulella vinosa* mouth of Wilson creek, Sank Co
4430 (31) *Sauria crassimarginata* pygidium Lone Rock
4431 (32) " " cranidium " "
4432 *Linguloides* from drift at Fish Pit, Madison - E. L. Wood, 1925
4433 *Beudanticia undulata*, Ellis Bay formation, Antwerp, N.Y. 1819
4434 " *nodulosa* " " " "
4435 *Calagygga antientensis* English Head. " " "
4436 *Zygospira recurvirostra marginata* " " " "
4437 *Hyatthina congesta furcata*, New River. " " "
4438 *Schuchertella subplana*, Jupiter, Pinalia River " " "
4439 *Orthis flabellata* " " " " "
4440 *Rhynchotrema copax* etc. Rehmann d. Vermont & Can. U.
4441 *Cryptozoa* sp. Oneto dol. Madison, W.
4442 *Favosites hingeri*, Niagara. New Co. Penn.
4443 *Lepto-Coelia hemispherica*, Jupiter, Cast Cliff, Antwerp.
4444 *Pentamerus oblongus*, Clinton, New York.
4445 *Strophia marginalis*, Ellis Bay, Ellis Bay, Antwerp.
4446 *Phetambonites transversalis*, Rochester, N. Y.
4447
4448 *Camaroninus ulrichi*, Helderberg. N.Y.
4449 *Bumastus imperator* (Hall) pygidium. Silurian, Niagara. Quarry on "Sawney"
4450 *Colobospira chamberlini* (Whitfield) fragments of moulds Silurian Niagara

4451.	^{12/7/29}	2.	<i>Eotomaria lafumi</i> (Whitfield)	Cast & mould.	.50
4452.	"	1. E	" f. " "	Cast.	.50
4453.	"	1.	<i>Bumastus trentonensis</i>	Entire dorsal shield.	1.50
4454.	"	1 B	" niagarensis (Whitfield)	Dorsal shield with cran. & pyg. fragmentary	10.00
4455	^{2/13/30}	1	<i>Paradoxides etiminius</i>	Segments.	.20
4456	"	1 P.	" " , <i>Ctenocephalus matthewi</i> , <i>Diostracus</i> ^{etc.} <i>orangondianus</i>		1.00
4457	"	2 P.	" <i>acadicus</i> , cephalon & counterpart		.25
4458	"	1	<i>Conocoryphe elegans</i> (young cranium)	M.E. St John N.B.	.50
4459	^{2/20/30}	1	<i>Neolenus serratus</i>	posterior half of two dorsal shields 1. impression of anterior half of dorsal shield	.50
4460	"	1	" "	2. pygidium. 3. sponge?	.50
4461	"	1	" "	1. cephalon and thorax 2. thorax & fragmentary cephalon	1.00
4462.	"	1	" "	impression of pygidium	.20
4463.	"	1	<i>Ogygiopsis klotzi</i> (Brügger)	impression of crushed dorsal shield	.50
4464.	"	1	" "	posterior half of dorsal shield	.25
4465.	"	1	<i>Ptychoparia cordillerae</i>	dorsal shield	1.50
4466.	"	1	<i>Obolus septalis</i> (Walcott)	interior of valve.	.20
4467	"	1	<i>Doropyge?</i> <i>quadriceps</i>	cranium M.E.	.50
4468	"	1	" "	fragmentary pygidium M.E.	.20
4469	"	1	<i>Hypothyris</i> sp.	M.E.	.35
4470	"	1	<i>Ptychoparia quadrans</i>	crania in limestone M.E.	1.00
4471	"	2	<i>Obolus discoides</i> (H. & W.)?		.20
4472	"	1	<i>Billingella coloradensis</i> (Rum)	dorsal valve.	.20
4473.	"	1	<i>Anomoceras chinensis</i> (crinid. cheeks, & pyg) with <i>Agnostus chinensis</i>		1.00
4474	"	3	<i>Triploceras planoconvexum</i> (HALL, 1861)		.15
4475	"	1	" "	with <i>Dalmanella testudinaria</i>	.50
4476	"	1	" "	(DALMAN, 1828)	.10
4477	"	1	" "		.10
4478	"	1	<i>Triploceras</i> planoconvexum (HALL, 1861)	Trenton Ls., Min. Pl., W's.	.25
4478A	"	1	<i>Beloitoceras camurum</i> (Hall)		.50
4479	"	1	<i>Beloitoceras camurum</i> (Hall)		.50
4480	"	1	<i>Cryptoceras</i> <i>houghtoni</i> Clarke (?)		.50
4481	"	1	" " " (?)		.50
4482.	"	1	" sp.	(part of 2802)	.50
4483.	"	9	<i>Undul. orthoceras</i>		2.25
4484.	"	1	<i>Orthoceras?</i>		.50
4485	"	1	<i>Orthoceras</i> <i>hallianum</i> D'Orbigny		.50
4486	"	1	<i>Orthoceras</i> <i>hallianum</i> "		.50

No.	Age	Name	Locality	Notes	Catalogue No.
50	Silurian	Racine	Cedarburg, Ozaukee Co., Wis (prob. Drath & Sons Quarry).	old Wis. Terr. Coll.	724 G
.50	"	"	"	"	
.50	Ordovician	Pattersonville	Bloomington, Grant Co., Wis.	"	834 R 669 G
0.00	Silurian	Racine?	Reef rock at Schoonmakers (now Trancey's) Quarry, Wauwatosa, Milwaukee Co., Wis.	"	574 G
.20	Middle Camb.	St. John	St. John, New Brunswick.	Geo. J. Matthey part of 2506	Transf. from 2512
.50	"	Portland	" "	"	part of 2527, a duplicated entry. trimmed from no. 2500.
.25	"	St. John	" "	"	
.50	"	"	" "	"	
.50	Middle Camb.	Stephan	Mt. Stephan, British Columbia.	Coll. by C. D. Walcott; presented by J. M. Jessep	1910
.50	"	"	"	"	
.00	"	"	"	"	
.20	"	"	"	"	
.50	"	"	"	"	
.25	"	"	"	"	
.50	"	"	"	"	
.20	"	"	"	"	
.50	Middle Camb.	Wte Formation	Wapatch mts, Cache Co., Utah. Bear Creek Canyon, se. branch of Blacksmith Fork,	Coll. by Eliot Blackwelder, Aug. 6, 1909.	
.20	"	"	"	"	
.50	"	"	"	"	
.20	Middle Camb.	Bloomington?	"	"	
.50	Upper Camb.	St. Charles	"	"	
.20	"	"	"	"	
.50	Middle Cambrian	Shantung Province, China.	"	"	
.50	Ordovician	(Black River. Beloit, Rock Co., Wis?)	(Powers Coll?)		
.50	"	Upper Blue. Beloit, Rock Co. Wis.	Powers Coll		
.50	"	("Benton Layers")	"		
.50	"	Black R.	Mineral Point, Iowa Co., Wis.	Henry Coll.	
.50	"	"	Beloit, Rock Co., Wis?	Powers Coll?	
.50	"	"	" ?	" ?	
.50	"	"	" ?	" ?	
.50	"	"	" ?	" ?	
.50	"	"	" #	" #	
.50	"	"	" ?	" ?	
.50	"	"	" ?	" ?	
.50	"	"	" ?	" ?	
.50	"	"	" ?	" ?	
.50	"	"	" ?	" ?	

Tripteroceras

4487	12.	<i>Tripteroceras planoderatum</i> (WHITFIELD)	1.20
4488	1	<i>Dypoceras duplicostatum</i>	.25
4489	1	<i>Zitteloceras hallianum</i>	.50
4490	1	3 " h " } (D'ORBIGNY, 1850) type species	.50
4491	2	<i>Whitfieldoceras</i> <i>Clonoceras</i> <i>mumiaforme</i> (WHITFIELD, 1882).	original reference: R. P. WHITFIELD in 'Geology of Wisconsin, 1873-1879', 4 vol. edition, p. 232, pl. VII, figs. 3-5, 1882.
4492	1	<i>Orthoceras</i> (sp. 1)	.10
4493	1	" "	.35
4494	1	" (sp. 5) lat. chamber	.25
4495	1	" "	.25
4496	1	" "	.25
4497	1	" " 4 air chambers	.25
4498	1	" " young portion	.25
4499	1	" (sp. 4)	.10
4500	1	" "	.10
4501	1	<i>Tripteroceras planoderatum</i>	.10
4502	1	<i>Cycloceras</i> <i>Spyroceras</i> <i>oleus</i> (! Note: <i>Cycloceras</i> = Carboniferous genus; <i>Spyroceras</i> = Devonian " !)	.10
4503	1	<i>Spyroceras</i> <i>Cycloceras</i> <i>oleus</i> young end	.10
4504	1	<i>Cycloceras</i> <i>Spyroceras</i> <i>lesueurii</i> " <i>Spyroceras</i> <i>lesueurii</i> (CLARKE)	.10
4505	1	<i>Dypoceras</i> ?	.25
4506	21	<i>Protocarthia</i>	3.10
4507	1	<i>Trochonema</i>	.35
4508	1	<i>Orthoceras</i>	.20
4509	1	<i>Cycloceras</i>	.25
4510	1	<i>Vanuxemia rotundata</i>	.10
4511	1	V " <i>suberecta</i> Ulrich	.10
4512	1	V "	.10
4513	1	V "	.20
4514	1	V "	.20
4515	1	V "	.20
4516	1	(<i>lamellibranch</i>)	.25
4517	1	(")	.25
4518	1	open " "	.25
4519	1	" "	.25
4520	1	" "	.25
4521	1	" "	.20
4522	1	" "	.10
4523	1	" "	.10

middle
Ordovician
Black River

Beloit, Rock Co., Wis.?

H. C. Powers Coll.?

"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?
"	"	?	"	?

Ordovician (Deland)
House

Hazel Green, Grant Co., Wis.

Ordovician
Black River

Mineral Point, Iowa Co., Wis.

Henry Coll.

H. C. Powers Coll.?

"	Beloit, Rock Co., Wis.?	"	?
"	"	"	?

"	Beloit, Rock Co., Wis.	"	.
"	"	"	?

" Lake Calhoun, Minn.

" Beloit, Rock Co., Wis.

H. C. Powers Coll.

"	"	"	"	old no. 525	"
"	"	"	"	259	"

"	1 1/2 mi. west of Jamesville, Rock Co., Wis.	Wis. Acad. Sci.
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"	Mineral Point, Iowa Co., Wis.	Henry Coll.
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"	"	"	"
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"	Beloit, Rock Co., Wis.	Powers Coll.
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"	"	"
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"	"	"
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"	"	"
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"	"	"	?
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"	"	"	?
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"	"	"	?
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"	"	"	?
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"	"	"	?
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"	"	"	?
---	---	---	---

"	"	"	?
---	---	---	---

4524	1	(Lamelli branch)	.10
4525	1	"	.10
4526	1	"	.10
4527	1	Salpingostoma (gastropod)	.25
4528	1	Holopea Ceratulus pleurexanthemus (hypostoma)	.20
4529	1	Holopea (gastropod)	.20
4530	1	"	.25
4531	1	Tetramota	.10
4532	1	J "	.10
4533	5	Protowarthea Empyren	.25
4534	1	on Protowarthea	.50
4535	4	Maclurea	.60
4536	4	Hyalites boani	.40
4537	2	Salpingostoma	.20
4538	1	Eotomaria	.25
4539	1	^{Triptoceras} Triptoceras planodesatum (WHITFIELD)	.10
4540	1	Maclurea Maclurites bigsbyi (HALL)	.25
4541	1	(gastropoda)	.20
4542	1	"	.20
4543	1	Helicotoma umbilicata H & D.	.25
4544	1	(gastropoda)	.25
4545	1	"	.25
4546	1	Holopea	.25
4547	1	(gastropoda)	.25
4548	1	Dalmanella pygmae Diller sp. " "base of Dalmanella, or more likely, Upper Bullf. "Black River."	.50
4549	1	"	.25
4550	1	Hormotoma gracilis	.20
4551	1	(Lamellibranch)	.50
4552	1	"	.25
4553	1	"	.25
4554	1	Danuxenia	.10
4555	1	Holopea ampla (gastropoda)	.50
4556	1	(Lamellibranch)	.20
4557	1	(")	.35
4558	1	"	.35
4559	1	"	.35
4560	1	cephalopod rhiphenide	.10

Devonian	Black River	Beloit, Rock Co., Wis?		H. C. Powers Coll?	
"	"	"	?	"	?
"	"	"	?	"	?
"	"	"	?	"	?
"	"	"	?	"	?
"	"	"	?	"	?
"	"	"	?	"	?
"	"	"	?	"	?
"	"	"	?	"	?
Lower Blue	Beloit	Mineral Point, Iowa Co., Wis?		Henry Coll?	
"	"	"	?	"	?
Devonian	Black River	South central Wis.		Henry Coll	
"	"	"		"	
"	"	"		"	
"	"	"		"	
"	"	"		"	
"	"	Mineral Point, Iowa Co., Wis	(tag on specimen reads: Trenton Limestone)	"	studied by
"	"	Beloit, Rock Co., Wis	old no. 268	Powers Coll.	Ulrich & Loefield
"	"	"		"	"
"	"	"	old no. 272	"	"
"	"	"	0	"	"
"	"	"	old no. 299	"	"
"	"	"		"	"
"	"	"	old no 284	"	"
X	Porter's Sta,	Beloit Turtle, Wis.	old no. 291.	Pl. 70, fig. 59	studied by TYPE! Ulrich & Loefield
"	Beloit,	Rock Co., Wis.	" 300.	"	"
"	"	"		"	"
"	"	"	old no. 255	"	"
"	"	"		"	"
"	"	"	old no. 262	"	"
"	"	Mineral Point, Iowa Co., Wis.		Henry Coll.	studied by
"	"	Beloit, Rock Co., Wis.	old no. 296	Powers Coll.	Ulrich & Loefield
Ord. Valena	"	"		"	"
Ord. Black River	Sum Prairie	Iowa Co., Wis?		"?	"?
"	Kroll Quarry,	Ripon, Wis.			
"	"	"			
"	"	"			

- 4561 *Receptaculites oweni* Hall.
- 4562₂₀
4563 10050 *Chaetetes alatus*. Hudson River group, Ord. ^{Heavy Coll.} Hamilton, O. (word) (bryozoan)
- 4564 *Maclurea magna* Logan
- 4564 (5) *Receptaculites oweni*
- 4565 (10) *Streptelasma corniculum*
- 4566 (1) " "
- 4567 (1) *Bathyrus*
- 4568 (1) *Ceraurus*
- 4569 (1) *Laetelus*
- 4570 (1) "
- 4571 (1) "
- 4572 (1) "
- 4573 (1) *Ptychopyge ulrichi*
- 4574 (1) *Rafinesquina*
- 4575 (1) *Ceraurus pleurexanthemus*
- 4576 (1) *Zygospira recurvirostris*
- 4577 (1) *Plectambonites sericeus*
- 4578 (1) *Strophomena incurvata*
- 4579 (1) *Rhynchonella*
- 4580 (1) *Lingula iowensis*
- 4581 (1) *Rafinesquina alternata*
- 4582 (1) " "
- 4583 (1) *Cystoceras plebium*
- 4584 (1) "*Chaetetes*, Sp. No. 1"
- 4585 (2) "
- 4586 (1) *Lestotrypa hexagonalis*
- 4587 (1) *Monticulipora ortonii*
- 4588 (1) "*Cypriocardites rectirostris*"
- 4589 (1) *Stenodonta ovata*
- 4590 (1) *Receptaculites iowensis*
- 4591 (2) *Palaeophycus rugosus*
- 4592 (1) *Buthotrepis gracilis*
- 4593 (1) " sp. undet.
- 4594 (2) *Rhynchonella capax*
- 4595 1 *Metaptoma perovale*

- 4596 1 *Palaeophycus plumosus* White
 4597 1 *Asaphus saundersi*
 4598 1 Undet. pelecypod
 4599 ⁰/₁₉₇₉ 1 Phragmolites
 4600 *Stegerhynchus acinus* (HALL)

~~4601~~

4601 - 4636

Fossils from Miocene. York James Peninsula,
 pit within (?) city limits of Hampton, Virginia
 (1-2 miles from Hampton Road, near Chesapeake
 Bay.) COLLECTED BY: DR. D. NEWMANN, Madison, Wis.

Donated by:

KENNETH GROENLER, Sep., 1971

- 4601 *Dosinia* (*Dosinidia*) *acetabulum* CONRAD
 4602 *Solen viridis* SAY
 4603 *Chlamys* (*Aequipecten*) *comparilis* (TUOMEY & HOLMES)
 4604 *Corbula* (*Caryocorbula*) *Conradi* GARDNER
 4605 *Anadara lienosa* (~~807~~) (SAY)
 4606 *Glycymeris tumulus* (CONRAD)
 4607 *Glycymeris americana* (DEFRA~~nce~~ NCE)
 4608 *Isognomon* (?) sp.
 4609
 4610
 4611 *Ecphora quadricostata umbilicata* ta (WAGNER)
 4612 *Conus* sp.
 4613 *Turritella* sp.
 4614 *Turritella* sp.
 4615 *Clepidula* sp.
 4616
 4617 ? *Ptychosalpinx* ? cf. *bilix* (CONRAD) CONRAD
 4618 ? *Ostrea* ? sp.
 4619 ? *Vermicularia* " sp.
 4620
 4621 ? *Nucella* ? sp.
 4622 ? *Crucibulum* ? sp.

Ord.	Platteville F.	Beloit, Wi.	H. C. Poewers.
"	Galena, Duttenburg member.	Bed of stream, Grant Co. Wi.	Wi. Survey.
lil.	Medina ls.	Lockport, N.Y.	(off of 3679)
Ord.	Trenton	Watertown, N.Y.	Henry Cole

M. Silurian, Niagara Group, Waldron Sh. - Quarry on a turnpike between US. 70 and US. 40 (Nashville-Memphis); turn off from US. 70 → S. 1 1/4 mi. S. of Newcom's Grocery, 1/2 mi. E. Pegram, Davidson Co., NE, Tennessee. 1970

- 4623 ? Crucibulum? sp.
- 4624 Barnacles (Miocene or Recent)
- 4625 Bone fragments
- 4626 Bryozoa
- 4627 Fasciolaria sp.
- 4628 Ptychosalpinx tuomeyi (H. C. LEA)
- 4629 Ptychosalpinx altinis (CONRAD)
- 4630 Ptychosalpinx laqueata (CONRAD) CONRAD
- 4631 Oliva sp.
- 4632 ? Scaphellia? sp.
- 4633 Bryozoa
- 4634 Coral
- 4635 Ostrea sp. (cf. virginica)
- 4636 Crepidula sp.

- 4637 Fossil fish from ?Eocene? of Wyoming. From diggings^{in Sublette Co.,} along road to Radeovitch Ranch, 11 mi. N from where it turns off Hwy. 28, 5 mi. NE of Farsons. Coll. and donated by Andy Clark, 1971.

- 5857 Conularia sp. Paleozoic? specimen found in storage, without data, 1969, with number 5857, and 1604 (red). Entered into this catalogue, using its black number 5857, 1988.

DONE - W.S. - 11:00 - 12/21/34

4601 - 4637 : 1971

Collection obtained in exchange from

Prof. C. W. HALL, Minneapolis, Minnesota (1891?)

HALL's numbers

- 1 Rauffella filiosa ULRICH Minneapolis and St. Paul, Minn.
- 2 Rauffella palmis ULRICH " " " "
- 5 Streptelasma corniculum HALL Minneapolis, Minn.
- 6 Streptelasma corniculum HALL " "
- 9 Anolotichia impolita ULRICH Minneapolis and St. Paul, Minn.
- 10 Berenicea minnesotensis ULRICH Caunon Falls
- 11 Ceramophylla frondosa ULRICH St. Paul
- 12 Monotrypella multitabulata ULRICH Minneapolis
- 15 Pachydictya faliata ULRICH Minneapolis and St. Paul
- 16 Pachydictya occidentalis ULRICH St. Paul
- 17 Phylloporina corticosa ULRICH Minneapolis and St. Paul
- 20 Prasopora conoidea ULRICH Caunon Falls and Minneapolis
- 21 Prasopora contigua ULRICH Caunon Falls and St. Paul
- 23 Ptilodictya subrecta Minneapolis
- 24 Stictopora mutabilis var. major ULRICH Minneapolis
- 25 Stictopora mutabilis var. minor ULRICH Minneapolis
- 26 Stictoporella cribrosa ULRICH Minneapolis and St. Paul
- 27 Stictoporella frondifera ULRICH Minneapolis and St. Paul
- 28 Stomatoporella inflata HALL Caunon Falls
- 29 Crania granulosa WINCHELL Minneapolis
- 30 Leptaena sericea Goodhur County
- 31 Lingula calumet WINCHELL Pipestone
- 32 Lingula elderi WHITFIELD Minneapolis
- 34 Lingulepis prima CONRAD Taylors Falls
- 37 Orthis minneapolis WINCHELL St. Paul
- 38 Orthis perveta CONRAD Minneapolis and Filmore County
- 38 Lingulaepris pinnaeformis OWEN Taylors Falls
- 42 Orthis subquadrata HALL Spring Valley
- 44 Orthis testudinaria DALMAN Spring Valley
- 45 Orthis testudinaria var. emacerata Grauger and Kenyon
- 46 Orthis tricenaria CONRAD Minneapolis and St. Paul
- 47 Orthis tricenaria CONRAD Minneapolis and St. Paul
- 49 Rhynchonella capax CONRAD Minneapolis and St. Paul
and Caunon Falls
- 49a Rhynchonella capax CONRAD Minneapolis and St. Paul
and Caunon Falls
- 50 Rhynchonella plena HALL Minneapolis
- 52 Streptorhynchus filitextum Hall; Minneapolis and St. Paul
- 53 Streptorhynchus filitextum HALL; Minneapolis and St. Paul

Collection obtained in exchange from
 =====
Prof. C. W. HALL, Minneapolis, Minnesota (?1891?) cont'd
 =====

HALL's numbers

57	<u>Pleu(ro)tomaria subconica</u>	HALL	Minneapolis
58	<u>Zygospira recurvirostris</u>	HALL	Minneapolis
59	<u>Bellerophon bilobatus</u>	SOWERBY	Minneapolis
61	<u>Pachydictya conciliatrix</u>	ULRICH	Cannon Falls
67	<u>Murchisonia tricarinata</u>	HALL	Minneapolis
68	<u>Murchisonia tricarinata</u>	HALL	Minneapolis
69	<u>Pleurotomaria tricarinata</u>		Minneapolis
79	<u>Tellinomya levata</u>	HALL	Minneapolis
80	<u>Cornulites flexuosus</u>	HALL	Minneapolis
81	<u>Orthis lynx</u>		Cincinnati, Ohio
82	<u>Zygospira modesta</u>		Cincinnati, Ohio
83	<u>Peronopora intermedia</u>		Cincinnati, Ohio
84	<u>Callopora ramosa</u>		Cincinnati, Ohio
85	<u>Callopora rugosa</u> var. <u>rugosa</u>		Cincinnati, Ohio
86	<u>Dekayia oppressa</u>		Cincinnati, Ohio
87	<u>Streptelasma corniculum</u>		Richmond, Indiana
88	<u>Rhynchonella capax</u>		Richmond, Indiana
89	<u>Rhynchonella dentata</u>		Richmond, Indiana
90	<u>Orthis biforata</u>		Richmond, Indiana
91	<u>Orthis occidentalis</u>		Richmond, Indiana
92	<u>Protarca vetusta</u>		Richmond, Indiana

Collection of fossils presented by M. C. POWERS, Beloit, Wisconsin
from the Trenton Limestone (Ordovician) of Beloit and vicinity

(Collection obtained around 1884-85)

178	<u>Illaeus taurus</u> (HALL)	Trenton
179	<u>Orthis pervita</u> (CONRAD)	"
180	<u>Bellerophon bilobata</u> (SOWERBY)	"
181	<u>Pleurotomaria subconica</u> (HALL)	"
182	<u>Columnaria alveolata</u> (GOLDFUSS)	Trenton
183	<u>Ambonychia lamellosa</u> (HALL)	"
184	<u>Streptelasma corniculum</u> (HALL)	"
185	<u>Cryptolites compressus</u> (HALL) (?? <u>Cryptolithus</u> ??)	Trenton
186	<u>Cyclonema percarinatum</u> (HALL)	"
187	<u>Murchisonia milideris</u> (HALL)	"
188	<u>Bucania bidorsata</u> (HALL)	"
189	<u>Subulites elongatus</u> (CONRAD)	"
190	<u>Cypricardites rotundatus</u> (HALL)	"
191	<u>Oncoceras briscurvatum</u> (WHITFIELD)	<u>Oncoceras brevicurvatum</u> (WHITFIELD)
192	<u>Maclurites</u> ("Macluria") <u>biggsbyi</u> (HALL)	"
193	<u>Orthoceras ju..cium</u> (HALL)	"
194	<u>Bellerophon wisconsinia</u> (WHITFIELD)	"
195	<u>Trochonema brachi</u> (WHITFIELD)	"
196	<u>Murchisonia gracilis</u> (HALL)	"
197	<u>Pterotheca attenuata</u> (HALL)	"
198	<u>Cypricarditis virida</u> (HALL)	"
199	<u>Helicotoma planulata</u> (SALTER)	"
200	<u>Cypricarditis megombonus</u> (WHITFIELD)	"
201	<u>Leituites occidentalis</u> (HALL) (?? <u>Lituites</u> ??)	"
202	<u>Cypricarditis ventricosus</u> (HALL)	"
203	<u>Murchisonia tricarinata</u> (HALL)	"
204	<u>Tellinomya alta</u> ? (HALL)	"
205	<u>Bucania buelli</u> (WHITFIELD)	"
206	<u>Tellinomya nasuta</u> (BILLINGS)	"
207	<u>Bucania expansa</u> (HALL)	"
208	<u>Orthoceras planoconvexum</u> (HALL)	<u>Tripteroceras planoconvexum</u> (HALL)
209	<u>Raphistoma naconi</u> (HALL)	"
210	<u>Rhynchotrema capax</u> (CONRAD)	"
211	<u>Tellinomya ventricosa</u> (HALL)	"
212	<u>Hyolithes baconi</u> WHITFIELD	"
213	<u>Orthoceras arcuoliratum</u> (HALL)	"
214	<u>Trochonema</u> (<u>Trochonema</u>) <u>beloitense</u> WHITFIELD	"
214a	<u>Whitfieldoceras mumiaforme</u> (WHITFIELD) (" <u>Oncoceras</u> ")	"
215	<u>Cyrtoceras camurani</u> (HALL)	"
216	<u>Ceraurus pleurexanthemus</u> GREEN	"
217	<u>Murchisonia pagoda</u> (SALTER)	"
218	<u>Chaetetes lycoperdm</u> (SAY)	"
219	<u>Orthis pectinella</u> (HALL) (? <u>Dinorthis pectinella</u> (CONRAD)?)	"
220	<u>Raphistoma tentacularis</u> (SOWERBY)	"
221	<u>Ambonychia attenuata</u> (HALL)	"
222	<u>Gonioceras occidentalis</u> HALL	"
224	<u>Gyroceras duplicostatum</u>	"
225		

CARL

Collection of Fossils etc. presented by ~~SEN~~ DOERFLINGER,
 Milwaukee, Wisconsin, Dec. 1884.

- 225 Favosites favosus, cells filled. Silurian, Niagaran;
 26st, quarry, Milwaukee, Wis.
- 226 Zaphrentis racinensis, Silurian, Niagaran; Racine, Wisconsin.
- 227 Orthoceras amulatum(?annulatum?). Wauwatosa Township,
 Milwaukee Co., Wisconsin.
- 228 Siphonocrinus nobilis ("Glyptocrinus nobilis")
 Silurian, Niagaran; Racine, Wisconsin.
- 229 Omphyma sp. Silurian, Niagaran. Racine, Wisconsin.
- 230 Strophodonta profunda ? Silurian, Niagaran. Racine, Wisconsin.
- 231 Eucalyptocrinus bournatus. Silurian, Niagaran; Racine, Wisconsin.
- 232 Caryocrinus ornatus " " " "
- 233 Lampterocrinus inflatus " " " "
- 234 Pentamerus oblongus " " " "
- 235 Eucalyptocrinus crassus " " " "
- 236 Pentamerus oblongus " " ; Milwaukee, Wis.
- 237
- 238
- 239
- 240 TORF (= Pea⁴) Germany
- 241
- 242
- 243 Gervillia costata. Mid.Triassic, Muschelkalk. Würzburg, S.Germany
- 244 Pholadomya exaltataBRANNER. Schwabia, S. Germany
- 245 Ammonites colubrinus (REIN) Upper Jurassic, Weiss Jura.
 Kochergebirge, S.Germany.
- 246 Terebratula antiplecta (BUCH). Jurassic, Tyrol
- 247 Belemnites paxillosus Lower Jurassic, Lias. Schwabia, S.Germany.
- 248 Gervillia socialis. Mid Triassic, Muschelkalk.
 Würzburg, S.Germany.
- 249 Rhynchonella inconstans. Jurassic ? Braunschweig, Germany
- 250 Congeria calamaeiformis. Molasses, Alps of possibly Austria.
- 251 Encrinurus liliiformis. Mid.Triassic, Muschelkalk, Braunschweig,
 Germany.
- 252 Galerites sp. Upper Cretaceous. Island of Rügen, Germany.
- 253 Garbenschiefer (a rock!) Michelsburg, near Rochlitz,
 Zwickau, Saxony, Germany.
- 254 Ostrea cristagalli(=Alectryonia) Jurassic, Württemberg, Germany.
- 255 Trilobite. Ordovician, Trenton, New York.
- 256 Diatomaceous Earth ("Kieselgur"). Near Celle, Hannover, Germany
- 257 Macrocephalites macrocephalus. Mid Jurassic. Oberfranken
 (Upper Franconia), S.Germany.
- 258 Amaltheus margaritatus (MONTFORT). Lower Jurassic; Heiningen,
 Württemberg, S.Germany.
- 259 Ananchytes ovata (LAMARCK). Rohterholz aus Ilsenburg (?Germany?)
- 260 Rhynchonella lacunosa (SCHLOTHEIM). Upper Jurassic, Weiss Jura;
 Kochergebirge, S.Germany.
- 261 Periaster obesus. Grobkalk. Cairo, Egypt.
- 262 Ammonites amaltheus (?Amaltheus sp.). Lower Jurassic, Lias.
 Schwabia, S.Germany.
- 263 Pecten discites (SCHLOTHEIM). Lower Triassic, Muschelkalk.
 Würzburg, S.Germany.

- 264 Belemnites irregularis (ZIETEN). Lower Jurassic, Lias.
Bass, Oberfranken (Upper Franconia), S. Germany.
- 265 Ammonites lunula. Jurassic, Medj el Schems, Libanon (see old cat.)
- 266 Gryphaea arcuata (Liogryphaea). Lower Jurassic, Lias. Schwabia, Ger.
- 267 Ammonites gibbosus (SCHLOTHEIM). Lower Jurassic, Lias.
Endagen, S. Germany, Württemberg.
- 268 Rhynchonella multiplicatum. Jurassic. Medj el Schems, Libanon
- 269 - 269 -
- 270 Cardinia concinna. Lower Jurassic, Lias. Halberstadt, Germany
- 271 Belemnites clavatus (BLAINVILLE). Jurassic Oberfranken
(Upper Franconia), S. Germany.
- 272 Belemnites Brunsvicensis (STRAUB). Neocom (Cretaceous),
Wolfenbüttel, Germany.
- 273 Terebratella loricata (SCHLOTHEIM). Upper Jurassic, Weiss Jura;
Meggendorf, S. Germany.
- 274 Ammonites jason (?Cosmoceras?) (REIN). Jurassic.
Gamelshausen, Württemberg, S. Germany.
- 275 Ammonites planorbis. Lower Jurassic, Lias; Schwabia, S. Germany.
- 276 Terebratella perfunclroides Upper Jurassic, Weiss Jura.
Franken (Franconia), S. Germany. → ? pedunculoides ?
- 277 ~~Echinosceras~~ varicostatus. Lower Jurassic, Lias. Pommern, (see old cat.)
- 278 Ammonites costatus Lower Jurassic, Lias. Banz, Oberfranken
(Upper Franconia), S. Germany.
- 279 Pentacrinus infeculatus. Lower Jurassic, Lias. Schwabia, S. Germany
- 280 Ammonites culeifer. Jurassic. Lautlingen, Württemberg, S. Germany.
- 31 Spirifer macropterus. Devonian; Clausthal, Harz Mts., Germany.
- 32 Manito bone fossil. Claiborne, Alabama.
- 33 - 283 -
- 34 Conoclypus conoideus. Grobkalk. Mofattam, Egypt.
- 35 Terebratula subsella. Upper Jurassic, Weiss Jura.
Ocke, Harz Mts., Germany.
- 36 Pectinulus polyodonta. Tertiary, Kassel, Germany.
- 37 Rhynchonella vilsensis (Oppel). Jurassic; Vils, Tyrol
- 38 Spondylus spinosus. Dresden, Germany.
- 39 Ceratites nodosus. Mid. Triassic. Muschelkalk; Braunschweig, Germany
- 40 Ammonites comptus. Lower Jurassic, Lias. Altdorf, S. Germany.
- 41 Coal plant. Kendall County, Illinois.
- 42 Lima lineata. Mid Triassic, Muschelkalk. ? Germany?
- 43 Cupressocrinus sp. ("Schraubenstein" = "Screw stone").
Devonian. Upper Harz Mountains, Germany. Bavaria.
- 44 Terebratula Phillipsi. Jurassic. Amberg, Franken (Franconia), Germany
- 45 Terebratula perovalis (SOWERBY). Jurassic, Franconia = Franken,
Bavaria, S. Germany.
- 46 Ammonites pectinocompressus (QUENSTEDT). (Medj el Schems, Lebanon.)
Jurassic. Amberg, Bavaria, Germany
- 297 - 297 -
- 7 Belemnites quenstedti (OPPEL). Lower Jurassic, Lias.
Boll, Württemberg, S. Germany.
- 8 Plagiostoma striatum. Mid Triassic, Haupt-Muschelkalk. Halle, Germany
- 9 Micraster corangium. Cretaceous, Pläner. Dresden, Germany.
- 10 Gomphoceras SP. Devonian; Hamilton Group. Milwaukee, Wisconsin
- 1 Gomphoceras sp. Devonian, Hamilton Group. Milwaukee, Wisconsin.
- 2 Gyroceras erix. Devonian, Hamilton Group. Milwaukee, Wisconsin.
- 3 Pecopteris villosus. Coal Measures. Grundy County, Illinois
- 4 Spirifera sp. Devonian, Hamilton Group. Milwaukee Co., Wis.
- 5 Atrypa, a large variety of reticularis. Devonian, Hamilton Group,
Milwaukee Co., Wisconsin.
- 6 Orthis impressa. Devonian, Hamilton Group, Milwaukee Co., Wisconsin
- 7 Atrypa reticularis " " " " " "
- 8 Leithostrotion canadensis. Sub-Carboniferous. Clack Co., Mo.
- 9 Pecopteris villosus Coal Measures, Grundy Co., Ill.
- 10 Neuropteris hirsuta " " " " " "

311
312 Adipocira

Yellowstone...
... darburg, Wisconsin

328

~~Orthoceras~~ planoconvexum (HALL)
Tripteroceas

Ord. Trenton

Beloit,
Rock Co., Wisc.

H.C. POWERS

OVER

Fossils received from J. F. KEMP, Cornell University (?1889?)
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- 2412 Spirifer arenosus and Renssalaria ovoides
 2413 Oriskany Sandstone, Union Springs, N.Y.
 2413 Meristella sp. Devonian, Hamilton Group,
 Cayuga County, New York.
 2414 Spirifer arenosus (cast). Oriskany sandstone.
 Union Springs, New York.
 2415 Spirifer arenosus. Devonian, Oriskany Sandstone.
 Union Springs, N. Y.
 2416 Orthis hipparionyx. Oriskany Ss., Union Springs, N. Y.
 2417 Spirifer arenosus and cast " " " "
 2418 Spirifera sp. Devonian, Hamilton Group. Cayuga Lake, NY
 2419 Atrypa spinosa. " " " Ludlowville, N.Y.
 2420 Modiella pygmaea " " " "
 2421 Lingula sp. " " " Cayuga Lake, "
 2422 Atrypa reticularis Ithaca Group. Ithaca, N.Y.
 2423 Schizodus appressus. Dev., Hamilton Gr., Ludlowville, NY.
 2424 Productella, Spiru..costa. " " " "
 2425 Spirifera laevis. Portage Group, Ithaca, New York.
 2426 Cucitaria recurva. Hamilton Gr., Ludlowville, N.Y.
 2427 Spirifera granulifera. Dev., Hamilton Gr., State of NY.
 2428 Discinia lodensis ? Hamilton Group, (?State of New York)
 2429 Spirifera sp. Ithaca Group. State of New York.
 2430 Tropidiptus carinatus Devonian, Hamilton Group,
 State of New York.
 2431
 2432 Palaeoneilo muta. Dev., Hamilton Gr., Ludlowville, N.Y.
 2433 Chonetes sp. " " " Cayuga Lake, N.Y.
 2434 Macrodon hamiltonae " " " Ludlowville, N. Y.
 2435 Grammysia sp. " " " "
 2436 Athyris spiriferoides " " " Cayuga Lake "
 2437 Modiomorpha concentrica " " " Ludlowville "
 2438 Chonetes letegera " " " " "
 2439 Chonetes leitula " " " " "
 2440 Paleioneilo, 2 Orthis vanuxemi, 3 Chonetes,
 Devonian, Hamilton Group; Cayuga Lake, New York.
 2441 Cinitaria elongata (4). Dev., Hamilton Gr., (?Cayuga L. NY)
 2442 Orthis vanuxemi Dev., Hamilton Gr., (?Cayuga Lake, N.Y?)
 2443 Orthonota parvula Devonian, Hamilton; Ludlowville, N. Y.
 2444 Paleioneilo plana. " " " "
 2445 Strophodonta perplana Ut. Dev., Ham. Gr., " "
 2446 Ambocoelia umbonata. Ut. Dev., Hamilton, " "
 2447 Leiorhynchus mesacostalis. Ithaca Group (?New York?)
 2448 Paracyclas tennis. Dev., Hamilton Gr., Ludlowville, N. Y.
 2449 Tellinopsis submarginata. Dev., Hamilton, " "
 2450 Microdon bellistriatus. " H " "

Collection of fossils presented by WILLIAM H. HOBBS,
Jan. 28, 1893

- 2809 Orthis testudinaria Hudson River Gr.
coll. T.N.DALE. 2nd Leda Marlborough Mt., near
Highland, Ulster Co., New York.
- 2810 Leptaena sericea SOWERBY Hudson River Group,
Coll. T.N.DALE. Near Highland, Ulster Co., N.Y.
- 2811 Strophomena alternata CONRAD Hudson River Group,
Coll. T.N.DALE. Near Highland, Ulster Co., N.Y.
- 2812 Trigonia navis Grolinus zone, M. Jurassic (lower
Dogger). Gundershofen, Alsace, France.
Coll. A. ANDRAE.
- 2813 Stephanoceras (Macrocephalites) macrocephalum.
Mid. Jurassic, Callovian (Dogger); Kups near
Staffelstein, Franken (Franconia), S. Germany.
Coll. A. ANDRAE
- 2814 Amaltheus costatus v. SCHLOTHEIM
(= A. spinatus BEY.). Lower Jurassic, Lias (M. Lias
Banz, Franken (= Franconia), Bavaria, S. Germany
Coll. A. ANDRAE
- 2815 Some bivalve (? Arca sp?) Molasse Sandstone.
Lucerne (Luzern), Switzerland. Coll. WM.H. HOBBS.
- 2816 Phacops latifrons BRONN, showing facets of eyes.
Lower Devonian. Gerolstein, Eifel, W. Germany.
Coll. WILLIAM H. HOBBS
- 2817 Nucula hammeri. Mid. Jurassic, lower Dogger,
gralinus zone. Gundershofen, Alsace, France.
Coll. A. ANDRAE
- 2818 Crepicephalus onustus WH. Cambrian, Potsdam
Goodyear's sandstone quarry, near Tomah, Wis.
Coll. WILLIAM H. HOBBS
- 2819 Crinoids (? Pentacrinus sp. ?)
St. Louis or Coral Limestone. Crab Orchard Gap,
Cumberland Co., Tennessee. Coll. A.C. GILL
- 2820 Lepidodendron ? sp. From shale with a subcarbon-
iferous Coal-bed. Duck Creek, near Chattanooga,
Tennessee. Coll. A.C. GILL (conglomerate).
- 2821 Shale accompanying Sewanee Coal (250 ft. above
the Great Conglomerate) Rockwood, Tennessee
Coll. A.C. GILL
- 2822 Diplograptus ? simplex EMMONS. Middle Cambrian.
1 mile north of Horsac Corners, N. York.
(at Reynold's Slate quarry formerly owned
by M. Warren). Cf. MATHER: Geol. of N.Y., Pt. I,
pp. 419-421. - EMMONS: Agricult. N.Y., vol. I, p. 71,
pl. 17. - WALCOTT: U.S.G.S. Bull. #30, p. 92.
- 2823 Ceratites nodosus Mid. Triassic, Muschelkalk.
Würzburg, S. Germany. Bought of BLATZ, Heidelberg
Germany.

Specimens of fossils presented by Mrs. THEO. GOWDY
1893--(?)

- | | | | | | |
|------|--|-----|---|---|-----------------------|
| 2957 | <u>Productus nebraskensis</u> univalves.
Blue Shale, Kansas City, Missouri. | | | | |
| 2958 | <u>Bellerophon percarinatus</u> . Carboniferous.
Kansas City, Missouri | | | | |
| 2959 | <u>Delocrinus missouriensis</u> . Carb.; Kansas City, Mo. | | | | |
| 2960 | <u>Edmondia aspinwallensis</u> | " | " | " | " |
| 2961 | <u>Aesiocrinus harii</u> | " | " | " | " |
| 2962 | <u>Pecopteris unita</u> Carboniferous; Mazon Creek, Ill. | | | | |
| 2963 | <u>Conularia crustula</u> | " | | | ; Kansas City, Missou |
| 2964 | <u>Pleurotomaria broadheadi</u> | " | | " | " |
| 2965 | <u>Eupachicrinus magister</u> | " | | " | " |
| 2966 | <u>Aesiocrinus magnificus</u> | "B; | " | " | " |

Fossils and Rocks obtained in exchange from

Prof. J. C. RUSSELL of Ann Arbor, Michigan (1893?)

- 3007 Diphyphyllum archiaci BILL
Devonian, Hamilton Group. Widder, Canada
- 3008 Gladopora fisheri BILL
- 3009 Favosites placenta ROM.
- 3010 Pecopteris villosa BOON Coal Measures;
Mazon Creek, Illinois.
- 3011 Neuropteris hirsuta LESQ. Coal Measures;
Mazon Creek, Illinois
- 3012 Strophodonta erratica, WINCHELL Devonian,
Hamilton Group. Traverse Bay, Michigan.
- 3013 Spirifera pennata atw. (Mucronata CONRAD)
Devonian, Hamilton Group; Arkona, Ontario, Can.
- 3014
3015 Atrypa reticulata CON. Devonian, Hamilton Gr.
Widder, Canada
- 3016 Silicified Wood. Fort Simcoe, Washington.
- 3019 Alethopteris lonchitica BR. Coal Measures;
Talmadge, Ohio
- 3020 Halysites catenulatus LIN. Silurian, Niagara;
Drummond Island, Michigan
- 3021 Favosites favosus GOLDF. ?Silurian?
Drummond Island, Michigan
- 3022 Coenostroma (Stromatopora) pustuliferum WINCH.
Devonian, Hamilton Group;
Little Traverse Bay, Michigan.
- 3023 Coenostroma (Stromatopora) monticuliferum
WINCHELL. Devonian, Hamilton Group.
Little Traverse Bay, Michigan
- 3024 Favosites hamiltonensis, ROM. Devonian,
Hamilton Group. Petoskey, Michigan.
- 3025 Favosites nitella WINCHELL Devonian,
Hamilton Group. Little Traverse Bay, Michigan
- 3026 Diphyphyllum panicum WINCHELL Devonian,
Hamilton Group; Petoskey, Michigan
- 3027 Cyathophyllum davidsoni M-ED. Devonian,
Hamilton Group. Little Traverse Bay, Michigan
- 3028 Cyathophyllum houghstoni ROM. Devonian,
Hamilton Group. Little Traverse Bay, Michigan
- 3029 Heliophyllum halli E. & H. Devonian,
Hamilton Group. Widder, Canada.
- 3030 Cystiphyllum americanum E. & H. Devonian,
Hamilton Group. Widder, Canada
- 3031 Favosites billingsi ROM. Devonian
Hamilton Group. Widder, Canada
- 3032 Houghstonia hustorica WINCHELL.
Ord., Cincinnati Group; Drummond Island, Mich
- 3033 Strombodes pentagonus GOLD. Silurian, Niagara
Drummond Island, Michigan
- 3034 Monticulipora ? sp. Cincinnati Group Bay de
Marquette, Mich

Fossils bought on oct. 25, 1894 from
Wards Natural Science Establishment

- 3614 Olenellus thompsoni Middle Cambrian.
Parker's Quarry, Vt.
- 3615 Endoceras proteiforme. Ordovician, Trenton
Limestone. Trenton Falls, N.Y.
- 3616 Ambonychia radiata Ordovician, Hudson River Gr.
Cincinnati, Ohio.
- 3617 Monograptus convolutus Silurian. Braun, Bohemia
- 3618 Bronteus campanifer Silurian; Prag, Bohemia, CSs
- 3619 Gomphoceras sp. Silurian, Niagara Group.
Bridgeport, Illinois.
- 3620 Meristella maria Sil., Niagara Group.
Hawthorne, Illinois
- 3621 Omphyma murchisoni. Wenlock Beds (Sil.)
Dudley, England
- 3622 Spirophyton cauda-galli Caudi-galli grit;
Rondout, N.Y.
- 3623 Spirifer acuminata Upper Helderberg Group.
Falls of the Ohio.
- 3624 Platyceras dumosum Carboniferous. Leroy, N. Y.
- 3625 Spirifer verneuilli Devonian, Belgium.
- 3626 Cordaites sp. Coal Measures. Mazon Creek, Ill.
- 3627 Retzia mormoni. Carboniferous. Ruby Valley, Nev.
- 3628 Spiriferina kentuckensis Coal Measures.
Peoria Co., Ill.
- 3629 Posidonia becheri Carboniferous.
Herborn, Nassau, Germany
- 3630 Aviculopecten carboniferous Coal Measures.
Kansas City, Missouri.
- 3631 Walchia piniformis Lodeve, Herault, Belgium
- 3632 Megalodon triqueter Triassic
Inscino near Brescia, Southern Tyrol, Austria
- 3633 Spiriferina walcotti Lower Jurassic, Lower Lias.
Radstock, Somerset, England
- 3634 Oppelia truellii Jurassic, Inferior Oolite. Engld
- 3635 Toxaster texana Cretaceous. Lampasas Co., Texas.
- 3636 Discoidea cylindrica Cretaceous.
La Fanger, Grenoble, France.
- 3637 Scutella disca Tertiary. Georgia
- 3638 Richmond Earth (Diatomaceous Earth)
Tertiary, Eocene. Richmond, Virginia.
- 3639 Viviparis conradi Tertiary, Ft. Union Group,
Eocene. Montana
- 3640 Serpula corrugata Tertiary, Pliocene.
Niciola, Inana, Bagola, Italy.

Fossils bought of Wards Natural Science Establishment
on oct. 25, 1894 - cont.'d

- 3641 Flabellum sp. Lower Greensand (?Cretaceous?);
Faringdon, Berks, England.
- 3642 Trochocyathus sp. Tertiary, Eocene. Alps.
- 3643 Duncanella borealis Silurian, Niagara Group.
Waldron, Indiana
- 3644 Oculina sp. Recent Florida.
- 3645 Trochosmilia mortoni Cretaceous; Burleson Co.,
Texas.
- 3646 Isastraea ornata Jurassic; Belgarde, Prussia,
Germany
- 3647 Heliastrea subcoronata Tertiary, Oligocene.
St. Trinita, Italy.
- 3648 Endopachys maclurii. Tert., Eocene; Lea Co., Texas
- 3649 Acrosalenia hemiciaroides Cornbrash.
Wiltshire, England.
- 3650 Stomechinus bigranularis. Jurassic, Inferior
Oolite. Broad Windsor, Dorset, England
- 3651 Mellita testudinata Pleistocene. America.
- 3652 Hyboclypus agariciformis. Jurass., Inferior Oolite
Crickley, England
- 3653 Collyrites ringeus. Jurassic, Inferior Oolite.
Broad Windsor, Dorset, England
- 3654 Hemiaster prunella. Cretaceous. Moestrich, Holland
- 3655 Ichthyocrinus sp. Silurian, Niagara Group.
Bridgeport, Cook Co., Ill.
- 3656 Goniaster sp. Cretaceous. England.
- 3657 Chonetes smithi Coal Measures.
Wyandotte County, Kansas
- 3658 Perna approximata. Maestricht Beds (?Cretaceous)
Maestricht, Holland
- 3659 Cucullaea glabra. Cretaceous, Gault. England.
- 3660 Lytoceras fimbriatus. Jur., M. Lias. England.
- 3661 Aegoceras (Liparoceras) sp. Jurassic, lower Lias;
Lyme Regis, England.
- 3662 Spirula ~~sp. Recent~~ peronii LAMARCK
Recent. San Domingo
- 3663 Nautilus pompilius LINNE. (bisected). Polynesia
- 3664 Euplectella aspergillum OWEN. Phillippines.
- 3665 Lingula anatina LAMARCK Java.

- 4060 Pecten hofmannii? Tertiary; Doberg near Bünde, Westphalia, N.W. Germany
- 4061 Nucula sp. ? Tertiary; Doberg near Bünde, Westphalia, N.W. Germany.
- 4062 Inoceramus dubius. Echte, Hannover, N.W. Germany
- 4063 Ammonites radians. Reiningen, " " "
- 4064 Pecten commatus? Kaleberg, Hannover, N.W. Germany
- 4065 Terebratula punctata. Kolfeld, near Echte, Westphalia, N.W. Germany.
- 4066 Turritella geinitzi? Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4067 Cyathina nancana? Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4068 Pecten hofmannii Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4069 Gresslya olducta. Doberg, near Bünde, Westphalia, N.W. Germany. (?Tertiary?)
- 4070 Cardium cingulatum Doberg near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4071 Belemnites digitalis. Jurassic Boll, Swabia, S. Germany
- 4072 Pecten hausmanni. Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4073 Pecten janus. Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4074 Pecten munsten. Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4075 Terebratula grandis. BLUMENBACH. Tertiary? Doberg, near Bünde, Westphalia, N.W. Germany
- 4076 Terebratula subsella. Kühleberg, Northeim, Hannover, N. Germany (?Upper Jurassic?)
- 4077 Panopea uberti. Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4078 Pseudydema myalan. Hildesheim, N.W. Germany.
- 4079 Terebratula imprima. ? Jurassic? Boll, Swabia, S. Germany.
- 4080 Belemnites parilis. Heidingen, ? Germany?
- 4081 Echinolampas kleinii. Doberg, near Bünde, Westphalia, N.W. Germany (?Tertiary?)
- 4082 Terebratula humeralis Near Kolfeld, N. Germany
- 4083 Chemnitzia sp. Kahleberg, near Echte, Hannover, N. Germany.
- 4084 Pectunculus philippsii. Doberg, near Bünde, Westphalia, N.W. Germany. (?Tertiary?)
- 4085 Cytherea incressata. Doberg, near Bünde, Westphalia, N.W. Germany.
- 4086 Ceromya striata. Porta Westfalica, N.W. Germany
- 4087 Pectunculus sp. Kassel, W. Germany.

Rock specimens and fossils received in exchange
from Prof. F.M. COMSTOCK, School of Applied Science,
Cleveland, Ohio. March 1st, 1899.

- 5019 Liorhynchus limitaris. Marcellus Shale. Le Roy, N.Y.
5020 Cypreneria crassa. Upper Kiowa Shales. Lower Cret.
Belvidere, Kas.
5021 Gryphaea tucurmcarr. Belvidere, Kas.

These numbers were later changed :

5019 to 10019
5020 to 10020
5021 to 10021

