

Catalogue of fossil fish in the collections of Lord Cole and Sir Philip Grey Egerton / [Sir Philip de Malpas Grey Egerton].

Contributors

Grey-Egerton, Philip de Malpas, Sir, Bart., 1806-1881.
Cole, G. J., Lord.

Publication/Creation

Chester : J. Seacombe, [1836]

Persistent URL

<https://wellcomecollection.org/works/ua4u3q9h>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

CATALOGUE
OF
F O S S I L F I S H,
IN THE
COLLECTIONS
OF
L O R D C O L E
AND
SIR PHILIP GREY EGERTON,
ARRANGED ALPHABETICALLY,
WITH REFERENCES TO THE LOCALITIES, STRATA, AND PUBLISHED
DESCRIPTIONS OF THE SPECIES,
BY SIR PHILIP GREY EGERTON.

CHESTER:
PRINTED BY J. SEACOME, BRIDGE STREET ROW.

1836



P R E F A C E.

In offering to my scientific friends the following "Catalogue of Fossil Fish," I feel called upon to explain why I have been induced to comprise in one Synopsis two Collections so far removed the one from the other.

My acquaintance with Lord Cole commenced at Oxford in 1826, where we were together imbued with a taste for Geological pursuits by the fascinating lectures of the Professor of that science in the University.

From that period to the present day we have been joint collectors, dividing our acquisitions to such an extent, that nearly the same species are to be found in each Cabinet. To use the language of the distinguished Ichthyologist of Neuchatel,—"*Les espèces qui se trouvent réunies dans les collections des deux amis Anglais sont à-peu-près les mêmes : car ils se sont ordinairement partagé les plaques correspondantes des espèces qu'ils ont pu acquérir.*"*

Owing to this system of partnership, the two Collections are so interwoven, that (whatever clue to scientific investigation in the study of Fossil Ichthyology this Catalogue may in its present form afford,) an enumeration of the species contained in one, without reference to the other, would be manifestly incomplete and unsatisfactory.

* Agassiz, 4eme livraison, p. 45.

The names (with one exception) are given on the authority of Monsieur Agassiz, to whom I am rejoiced to have this opportunity expressing my obligations for the kindness and condescension with which he sacrificed a portion of his valuable time, in labelling the specimens of Fossil Fish in my Cabinet.

The species enumerated in the following pages amount to 195 ; in addition to these, are 30 well-characterized specimens, to which Monsieur Agassiz has not as yet assigned names. The capital letters prefixed to some of the species denote the Collection to which the specimens belong, when they are not to be found in both.

FOSSIL FISH,

IN

THE COLLECTIONS

OF

LORD COLE AND SIR PHILIP GREY EGERTON.

GENUS AND SPECIES.	STRATA.	LOCALITIES.
Acanthoderma spinosum	...	Engi-Switzerland
* Acanus oblongus	...	Engi-Canton Glaris
c ... new species not yet named	...	Ditto
E Acipenser, new species not yet named	Lias	Lyme Regis
Acrodus nobilis	Ditto	Ditto
c gibberulus	Ditto	Ditto
c Bronnii	Ditto	Brunswick
c Guilliardetti	Ditto	Ditto
Amblypterus eupterygius (1)	Coal Formation	Lebach
..... lateralis (2)	Ditto	Ditto
..... latus (3)	Ditto	Ditto
..... macropterus (4)	Ditto	Ditto
Anenchelum dorsale	...	Engi-Canton Glaris
..... Glarisianum	...	Ditto
..... heteropleurum	...	Ditto
..... isopleurum	...	Ditto
..... latum	...	Ditto

* This genus is found in the Pläner Kalk.

(1) Agassiz, vol. ii. page 36.

(2) 39.

(3) Agassiz, vol. ii. page 37.

(4) 31.

GENUS AND SPECIES.	STRATA.	LOCALITIES.
<i>Aspidorynchus acutirostris</i>	Oolite	Solenhofen
.... . <i>mandibularis</i>	Ditto	Ditto
<i>Asteracanthus semiradiatus</i>	Ditto	Stonesfield
..... <i>ornatissimus</i>	Kimmeridge Clay	Shotover Hill
E <i>Atherina macrocephala</i>	Tertiary	Monte Bolca
<i>Belonostomus Leptosteus</i>	Oolite	Stonesfield
<i>Beryx ornatus</i> * (1)	Chalk	Sussex
c <i>Carangopsis dorsalis</i> (2)	Tertiary	Monte Bolca
<i>Carcharias grossiserratus</i>	Ditto	Malta
..... <i>megalodon</i> (3)	Ditto	Ditto
..... <i>productus</i>	Ditto	Ditto
c <i>macrodon</i>	...	North America
c <i>megalotis</i> (4)	...	Ditto
..... <i>minor</i>	...	Ditto
c <i>polygyrus</i>	...	Ditto
c <i>suberratus</i>	London Clay	Sheppey
† <i>Caturus macrodus</i>	Oolite	Solenhofen
... <i>microchirus</i>	Ditto	Ditto
... <i>maximus</i>	Ditto	Ditto
c ... <i>pachyurus</i>	Ditto	Ditto
E <i>Chimæra Egertoni</i> ‡	Kimmeridge Clay	Shotover Hill
<i>Clupea Beurardi</i> §	Tertiary	Mount Lebanon
... <i>brevis</i>	...	Engi-Canton Glaris
... <i>megaptera</i>	...	Ditto
... <i>Scheuchzeri</i> (6)	...	Ditto
... <i>catopygoptera</i>	Tertiary	Monte Bolca
... <i>tenuis</i>	Ditto	Sicily

* *Zeus Lewesiensis*—Mantell.

† Originally named *Uræus* by Agassiz.

‡ Discovered and described by Doctor Buckland.

§ The *original* specimen is in the Collection of Lord Cole.

(1) Geology of Sussex

(2) Agassiz, vol. v. pl. 8.

(3) iii. .. 29.

(4) Agassiz, vol. iii. pl. 28.

(6) A doubtful species.—Agassiz

GENUS AND SPECIES.	STRATA.	LOCALITIES.
c <i>Cobitis cephalotes</i> (1)	Tertiary	Æningen
c <i>Coilacanthus</i> , new species	Magnesian Limesto	East Thickley
<i>Cottus brevis</i>	Tertiary	Æningen
E <i>Ctenacanthus tenuistriatus</i>	Mountain Limesto.	Bristol
c <i>Cybium macropomum</i>	London Clay	Sheppey
<i>Cyclurus crassus</i>	...	Engi-Canton Glaris
... <i>nemopterus</i>	...	Ditto
<i>Dapædius Colei</i> (2)	Lias	Lyme Regis
... <i>granulatus</i> (3)	Ditto	Ditto
... <i>politus</i> * (4)	Ditto	Ditto
... <i>punctatus</i> (5)	Ditto	Ditto
<i>Dercetis elongatus</i> † (6)	Chalk	Sussex
<i>Dipterus macrolepidotus</i> ‡ (7)	Schist	Caithness
<i>Ductor leptosomus</i> (8)	Tertiary	Monte Bolca
<i>Esox lepidotus</i>	Ditto	Æningen
c <i>Eugnathus chirotes</i>	Lias	Lyme Regis
..... <i>ornatus</i>	Ditto	Ditto
E <i>Fistularia magnifica</i>	...	Engi-Canton Glaris
..... <i>tenuirostris</i>	Tertiary	Monte Bolca
<i>Galeus aduncus</i> (9)	Molasse	Switzerland
... <i>serratus</i>	Ditto	Ditto
c ... <i>pristodontus</i> § (10)	Chalk	Maëstricht
<i>Gasteronemus rhombeus</i> (11)	Tertiary	Monte Bolca
<i>Gyrolepis Albertii</i> (12)	Muschel Kalk	Bayreuth
c ... <i>tenuistriatus</i> (13)	Ditto	Ditto

* De la Beche. † *Muraena Lewesiensis*—Mantell.

‡ This includes the four species of Sedgwick and Murch.

§ Also found in the Chalk of Sussex.

- | | |
|-------------------------------------|---------------------------------|
| (1) Agassiz, vol. v. pl. 50. | (7) Agassiz, vol. ii. page 114. |
| (2) page 195. | (8) v. pl. 12. |
| (3) ii. page 190. | (9) iii. .. 26. |
| (4) Geol. Trans. 2d series, vol. i. | (10) 26. |
| Agassiz, vol. ii. page 185. | Geol. of Sussex, pl. 32. |
| (5) 192. | (11) Agassiz, vol. v. page 20. |
| (6) Geol. of Sussex | (12) ii. page 173. |
| (7) Geol. Trans. 2d ser. vol. iii. | (13) 174. |

GENUS AND SPECIES.	STRATA.	LOCALITIES.
Hemipristis serra (2)	Molasse	Switzerland
Holocentrum pygæum (1)	Tertiary	Monte Bolca
Hybodus curtus*	Lias	Lyme Regis
... incurvus	Ditto	Ditto
c ... grossispinus	Ditto	Ditto
... ornatus	Ditto	Ditto
... reticulatus	Ditto	Ditto
... minor	Ditto	Old Passage, Bristol
c ... marginalis	Ditto	Keynsham
... grossiconus	Iron Sand & Oolite	Tilgate and Stonesfield
... polyprion	Oolite	Stonesfield
... dorsalis	Ditto	Ditto
E ... acutus	Kimmeridge Clay	Shotover Hill
c ... plicatilis	Muschel Kalk	
c ... new species not yet named	Oolite	Purbeck
Isurus macrurus	...	Engi-Canton Glaris
Labrax schizurus	Tertiary	Monte Bolca
Lamna acuminata† (3)	Chalk	Sussex
... Mantellii (4)	Ditto	Ditto
... appendiculata (5)	Ditto	Sussex and Maëstricht
... contortidens	Molasse	Switzerland
... cuspidata	Ditto	Ditto
... denticulata	Ditto	Ditto
... hastalis‡	Ditto	Ditto
... quadrans	Ditto	Ditto
... obliqua	London Clay	Sheppey

* This Ichthyodorulite and reticulatus probably belong to the same species.

† Also from Quedlinburg.

‡ Also from Malta.

(1) Agassiz, vol. iii. pl. 27.

(2) iv. pl. 14.

(3) Geology of Sussex, pl. 32.

(4)

(5)

GENUS AND SPECIES.	STRATA.	LOCALITIES.
... plicata	London Clay	Sheppey
... trigonodus	Tertiary	Malta
... xiphodon	Ditto	Ditto
... new species not yet named	Molasse	Switzerland
E Lebias crassicaudus	Tertiary	Sinigaglia
Leptacanthus semistriatus	Oolite	Stonesfield
Lichia prisca (1)	Tertiary	Monte Bolca
Lepidotus fimbriatus	Lias	Lyme Regis
..... Fittoni* (2)	Tilgate Beds	Tilgate Forest
..... Mantellii* (3)	Ditto	Ditto
E maximus	Oolite	Stonesfield
..... new species not yet named	Ditto	Ditto
..... minor (4)	Ditto	Portland
..... notopterus (5)	Ditto	Solenhofen
C new species not yet named	Lias	Boulogne
Leptolepis Bronnii	Lias	Lyme Regis
..... caudalis	Ditto	Ditto
C contractus	Oolite	Solenhofen
..... dubius	Ditto	Ditto
..... Knorrii	Ditto	Ditto
..... sprattiformis	Ditto	Ditto
C Leuciscus gracilis	Tertiary	Wurtemberg
..... macrurus	Papier Kohl	Rhine
..... papyraceus (6)	Ditto	Ditto
..... Ceningensis (7)	Tertiary	Ceningen
Macropoma Mantellii† (8)	Chalk	Sussex

* Lepisosteus Fittoni.—Mantell.

† Amia Lewesiensis.—Mantell.

(1) Agassiz, vol. v. pl. 11, 11 a.

(2) ii. pl. 30, c. b.

(3) c.

(4) 34.

(5) Agassiz, vol. ii. pl. 34.

(6) v. .. 56.

(7) 57—58.

(8) Geology of Sussex, page 239

GENUS AND SPECIES.	STRATA.	LOCALITIES.
Mallotus villosus fossilis ?	...	Greenland
Megalichthys Hibbertii (1)	Coal Formation	North Stafford
E Megalops priscus	London Clay	Sheppey
Microdon hexagonus	Oolite	Solenhofen
C ... new species not yet named	Ditto	Stonesfield
C Mugil princeps	Tertiary	Aix
Myliobates angustus	London Clay	Sheppey
..... subarcuatus	Ditto	Ditto
..... Studeri	Molasse	Switzerland
C Myriacanthus paradoxus	Lias	Lyme Regis
Myripristis homopterygius	Tertiary	Monte Bolca
E * Notidanus primigenius (2)	Molasse	Switzerland
Odontaspis raphiodon†	Chalk	Maëstricht
E Ophiopsis dorsalis	Oolite	Purbeck
C Osmeroides Mantellii‡ (3)	Chalk	Sussex
E Osteolepis arenatus (4)	...	Gamrie
Palæoniscus comptus (5)	Magnesian Limesto	East Thickley
..... elegans (6)	Ditto	Ditto
C longissimus (7)	Ditto	Ditto
..... Frieslebeni (8)	Kupfer Schiefer	Eisleben
..... magnus (9)	Ditto	Ditto
E Egertoni	Coal Shale	North Stafford
..... Blainvillei (10)	...	Muse, near Autun
..... Duvernoy (11)	Coal Formation	Zweibrücken
..... macropomus (12)	Zechstein	Ilmenau

* This genus is also found in the Chalk of Sussex.

† Also from the Chalk of Sussex.

‡ Salmo Lewesiensis.—Mantell.

[1] Trans. Royal Soc. Edin. v. 13

[2] Agassiz, vol. iii. pl. 27

[3] Geol. of Sussex, page 235

[4] Agassiz, vol. ii. page 122

[5] 97

[6] 95

[7] Agassiz, vol. ii. page 100

[8] 66

[9] 78

[10] 48

[11] 45

[12] 81

GENUS AND SPECIES.	STRATA.	LOCALITIES.
c <i>Palæorynchum</i> <i>Colei</i>	...	Engi-Canton Glaris
..... <i>Egertoni</i>	...	Ditto
..... <i>Glarisianum</i>	...	Ditto
..... <i>latum</i>	...	Ditto
..... <i>medium</i>	...	Ditto
..... <i>microspondylum</i>	...	Ditto
..... <i>longirostris</i>	...	Ditto
Palimphyes <i>brevis</i> (1)	...	Ditto
..... <i>longus</i> (2)	...	Ditto
Pholidophorus <i>Bechei</i> (3)	Lias	Lyme Regis
..... <i>latiusculus</i>	Ditto	Ditto
..... <i>limbatus</i>	Ditto	Ditto
..... <i>onychius</i>	Ditto	Ditto
..... <i>latimanus</i>	Oolite	Solenhofen
E <i>radiatopunctatus</i>	Ditto	Ditto
C <i>taxis</i>	Ditto	Ditto
..... <i>uræoides</i>	Ditto	Ditto
Placodon <i>gigas</i>	Muschel Kalk	Bayreuth
E <i>Münsteri</i>	Ditto	Ditto
C <i>Platysomus</i> <i>gibbosus</i> (4)	Kupfer Schiefer	Mansfeld
E <i>Pleionemus</i> <i>macrospondylus</i>	...	Engi-Canton Glaris
Pleuracanthus <i>serratus</i>	...	Ditto
Psammodus <i>magnus</i>	Oolite	Stonesfield
..... <i>tenuis</i>	Ditto	Ditto
..... <i>reticulatus</i>	Kimmeridge Clay	Shotover Hill
..... <i>porosus</i>	Mountain Limesto.	Bristol
E <i>Pterygocephalus</i> <i>paradoxus</i>	Tertiary	Monte Bolca
c <i>Ptycholepis</i> <i>Bollensis</i>	Lias	Lyme Regis
Ptycodus <i>altior</i> (5)	Chalk	Sussex
..... <i>decurrens</i> (5)	Ditto	Ditto

(1) Agassiz, vol. v. pl. 20.

(2) 19.

(3) Geol. Trans. 2d series, vol. i.

(4) Agassiz, vol. ii. page 164.

(5) Geol. of Sussex, pl. 32.

GENUS AND SPECIES.	STRATA.	LOCALITIES.
..... latissimus (1)	Chalk	Sussex
..... mamillaris (1)	Ditto	Ditto
..... polygyrus (1)	Ditto	Ditto
Pycnodus Bucklandii	Oolite	Stonesfield
..... parvus	Ditto	Ditto
c new species not yet named	Ditto	Ditto
..... microdon	Tilgate Beds	Tilgate Forest
..... gigas	...	Jura
c Pygæus , new species not yet named	Tertiary	Monte Bolca
Semionotus rhombifer	Lias	Lyme Regis
... new species not yet named	Lias Schist	Seefeld, Tyrol
Smerdis micracanthus (2)	Tertiary	Monte Bolca
... minutus	Ditto	Aix
Sphærodus gigas	Oolite	Stonesfield
c ... new species not yet named	...	Jura
c Sparnodus altivelis	Tertiary	Monte Bolca
E macrophthalmus	Ditto	Ditto
E micracanthus	Ditto	Ditto
c Sphyræna gracilis	Ditto	Ditto
c Spinacorhinus polyspondylus *	Lias	Lyme Regis
c Tetragonolepis confluens (3)	Ditto	Ditto
..... heteroderma	Ditto	Ditto
..... Leachii	Ditto	Ditto
..... pholidotus	Ditto	Ditto
c pustulatus	Ditto	Ditto
..... speciosus (4)	Ditto	Ditto
E radiatus	Ditto	Ditto

* *Squaloraia dolicognathus*.—Dr. Riley.

(1) Geol. of Sussex, pl. 32.

(2) Agassiz, vol. iv. page 33.

(3) Agassiz, vol. ii. page 199.

(4)

GENUS AND SPECIES.	STRATA.	LOCALITIES.
Tetrapterus priscus	London Clay	Sheppey
c Thrissops salmoneus	Oolite	Solenhofen
Tinca furcata (1)	Tertiary	Æningen
E Vomer longispinus (2)	Ditto	Monte Bolca

SPECIMENS UNDETERMINED.

New genus allied to Palimphyes	...	Engi-Canton Glaris
New genus allied to Scopelus	...	Ditto
E Placoid fish not yet named	Coal Shale	North Stafford
E Ditto ditto	Ditto	Ditto
E Ditto ditto	Ditto	Ditto
E Ditto ditto	Ditto	Ditto
Scomberoid not yet named	London Clay	Sheppey
c Ten species not yet named	Ditto	Ditto
c New genus not yet named	Tertiary	Æningen

[1] Agassiz, vol. v. pl. 52.

|

[2] Agassiz, vol. v. page 28.

1. The first of these is the fact that the	2. The second is the fact that the	3. The third is the fact that the
4. The fourth is the fact that the	5. The fifth is the fact that the	6. The sixth is the fact that the
7. The seventh is the fact that the	8. The eighth is the fact that the	9. The ninth is the fact that the
10. The tenth is the fact that the	11. The eleventh is the fact that the	12. The twelfth is the fact that the

REFERENCES

1. The first of these is the fact that the	2. The second is the fact that the	3. The third is the fact that the
4. The fourth is the fact that the	5. The fifth is the fact that the	6. The sixth is the fact that the
7. The seventh is the fact that the	8. The eighth is the fact that the	9. The ninth is the fact that the
10. The tenth is the fact that the	11. The eleventh is the fact that the	12. The twelfth is the fact that the

The first of these is the fact that the
second is the fact that the
third is the fact that the
fourth is the fact that the
fifth is the fact that the
sixth is the fact that the
seventh is the fact that the
eighth is the fact that the
ninth is the fact that the
tenth is the fact that the
eleventh is the fact that the
twelfth is the fact that the

The first of these is the fact that the
second is the fact that the
third is the fact that the
fourth is the fact that the
fifth is the fact that the
sixth is the fact that the
seventh is the fact that the
eighth is the fact that the
ninth is the fact that the
tenth is the fact that the
eleventh is the fact that the
twelfth is the fact that the



