

A

#### STEMATIC AND STRATIGRAPHICAL

#### CATALOGUE

OF

#### THE FOSSIL FISH

IN THE CABINETS OF

LORD COLE AND SIR PHILIP GREY EGERTON;

TOGETHER WITH

AN ALPHABETICAL AND STRATIGRAPHICAL CATALOGUE OF THE SAME SPECIES,

WITH REFERENCES TO THEIR PUBLISHED FIGURES AND DESCRIPTIONS.

 $\mathbf{BY}$ 

SIR PHILIP GREY EGERTON, BART., M.P., F.R.S., F.G.S.

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HASKELL F. NORMAN

THE following Catalogues were prepared at the suggestion of Professor Agassiz, to whose wonted liberality I am indebted for documents explanatory of his system of Ichthyology, hitherto uncommunicated to the public.

The first Catalogue contains all the Species of Fossil Fish in Lord Collection and my own, arranged according to their orders and families. Their stratigraphical position is shown in the eight succeeding columns, and the locality whence each specimen was derived in the last.

The second Catalogue shows the same Species arranged alphabetically. The strata and localities are also annexed, together with references to the systematic Catalogue, the cabinet where each species is to be found, and the figures and descriptions in the Poissons Fossiles of Professor Agassiz and other publications.

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#### SYNOPTICAL TABLE OF THE ORDERS AND FAMILIES.

I. LES PLACOIDES.	Agass.	 1. Les Cestraciontes.       Agass.         2. Les Hybodontes.       Agass.         3. Les Chimères.       Agass.         4. Les Squales.       Agass.         5. Les Rajes.       Agass.
II. LES GANOIDES.	Agass.	 1. Les Lepidöides.       Agass.         2. Les Pycnodontes.       Agass.         3. Les Sanröides.       Agass.         4. Les Cœlacanthes.       Agass.         5. Les Sclerodermes.       Cuv.         6. Les Acipensirides.       Agass.
III. LES CTENOIDES.	Agass.	1. Les Percöides.       Cuv.         2. Les Sparöides.       Cuv.         3. Les Cottöides.       Agass.         4. Les Aulostomes.       Cuv.
IV. LES CYCLOIDES.	Agass.	 1. Les Scomberöides.       Cuv.         2. Les Esoces.       Cuv.         3. Les Halecöides.       Agass.         4. Les Mngiles.       Agass.         5. Les Cyprinoides.       Cuv.         7. Les Gadöides.       Cuv.

# SYSTEMATIC AND STRATIGRAPHICAL CATALOGUE.

N.B.-The Species under each Genus are arranged alphabetically, with references to the Strata and Localities whence they are derived.

ORDER I. LES PLACOIDES. AGASSIZ.

Locality.	Brunswick. Ibid. Lyme Regis. Ibid. Axmouth.	Bristol. Thid. Thid. Thid. Thid. Thid. Stonesfield. Bristol. Shotover. Dundry. Stonesfield.	Bristol. Sussex. Ibid. Kent.	Kent. Shotover. Stonesfield. Bristol.	Stonesfield. Lyme Regis. Aust. Lyme Regis.
Silurian System.					Did-   Stone
Old-red-sand System.					
Carboniferous System.		Carblimestone Carblimestone Carblimestone	Carblimestone		
New-red-sand System.	Grès bigartée				
Oolitic System.	Lias Lower lias	<u>-</u>			Great-oolite Lias Lias Lias Lias Lias
The Wealden.					
Cretaceous System.			Chalk		
Super-eretaeeous System.					
FAMILY, GENUS, and SPECIES.	I. LES CESTRACIONTES. Agass.  Acrodus Braunii  Gaillardoti  gibbendus  nobilis  n. 8.	Psamnodus cinctus	Orodus ramosus  Ptychodus altior  decurrens latissimus mammillaris	Asteraeanthus ornatissimus semiradiatus Ctenacanthus major	Leptacanthus semistriatus  Leptacanthus semistriatus  Nemacanthus filifer  Myriacanthus paradoxus  Ceratodus n. s.

Shotover. Lyme Regis. Stonesfield. B. & Tilgate. Lyme Regis. Ibid. Keynsham. Aust. Lyme Regis. Lyme Regis. Lyme Regis. Lyme Regis. Lyme Regis. Lyme Regis. Purbeck.	Shotover. Kent. · Stonesfield. Folkstone.	Malta. N. America. Malta. N. America. Ibid. Ibid. Malta. Sheppey.	Soleure. Maëstricht. Soleure. Kent.	Ibid. Soleure.	Sussex. Ibid. Soleure. Ibid. Ibid. Sussex. Sheppey.
Coal shale					
Muschel-kalk					
Kimclay Lias Great-oolite Lias  Great-oolite Lias  Creat-oolite Lias	Kim-clay Great-oolite				
Hastings-sand Turbeck-stone					
	Chalk Gault		Upper Chalk Chalk	Chalk	Chalk Chalk
	Chalk Gault	Older-pliocene? Terbeds Older-pliocene? Terbeds Older-pliocene?	Molasse Upper Chalk Molasse Chalk	Molasse	
Hybodus acutus curtus curtus curtus dorsalis grossiconus grossispinus marginalis minor ornatus plicatilis plicatilis plicatilis plicatilis plicatilis minor nornatus morginalis minor nornatus polyprion polyprion nornatus nornatus plicatilis minor nornatus nornatus nornatus nornatus polyprion nornatus		IV. LES SQUALES. Acass.           Carcharias grosseserratus           macrodon           megalodon           migalotis           minor           polygyrus           productus           subserratus	Galeus aduncus pristodontus	Notidanus microdon	

Locality.	Soleure. Malta. Ibid. Soleure.	Maëstricht.	Lyme Regis.	Sheppey. Soleure. Sheppey. Unknown.	N. Stafford. Ibid. Ibid.
Silurian System.	Molasse Older-pliocene? Molasse				
Old-red-sand System.					
Carboniferous System.					Coal-shale
New-red-sand System.	Molasse Older-pliocene? Molasse				
The Wealden. Oolitic System.		1	Lias		
The Wealden.					
Cretaceous System.	e pliocene?	Upper Chalk			
Super-cretaceous System.	1			London-clay Molasse London-clay	
FAMILY, GENUS, and SPECIES.	Lamna quadrans trigonodus trigonodus	Odontaspis rhaphiodon	V. LES RAJES. Agass. Spinaeorlinus polyspondylus	Myliobatis angustus London-clay London-cla	UNDETERMINED. A Dorsal Defence A Palatal Tritor A Ditto Ditto

# ORDER II. LES GANOIDES. AGASSIZ.

Locality.	Gamrie, N.B. Caithness. Lebach. Ibid. Ibid. Ibid. Ibid. Zweibrücken. Rast Thickley. Zweibrücken. N. Stafford. E. Thickley. E. Thickley. E. Thickley. Ilmenan. Eisleben.
Silurian System.	RQUES.
Old-red-sand System.	Poissons Ilérérocerques.  Schist  chist  e
Carboniferous System.	Nodules Schist  Nodules Schist  Nodules Bitum-schist  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer  Kupfer-schiefer
New-red-sand System.	Nodules Nodules Nodules Nodules Nodules Nodules Nodules Schist Bitum-schist Coal-shale Mag-limestone Mag-limestone Scelistinestone Ange-limestone Mag-limestone Scelistinestone Ange-limestone Mag-limestone Scelistinestone Mag-limestone Mag-limestone Scelistinestone Mag-limestone Scelistinestone Mag-limestone Mag-limestone Scelistinestone Mag-limestone Mag-limestone Scelistinestone Mag-limestone Mag-limestone Mag-limestone Mag-limestone Scelistinestone Mag-limestone
Oolitic System.	NS HOMOCERQUES.  Maglimestone.  Knpfer-schiefer  Age-limestone  Zeelstein  Kupfer-schiefer
The Wealden.	NS HOMOGERQUES.
Cretaceous System.	Poissons Homocerques.
Super-eretaceous System.	
FAMILY, GENUS, and SPECIES.	I. LES LEPIDOIDES. Agass.  Osteolepis arenatus.  Dipterus maerolepidotus.  Amblypterus eupterygius  atus  macropterus  Conntus.  Duvernoy  Egertoni  Egertoni  Inacropomus  macropomus  macropomus  macropomus  macropomus  magnus

Eisleben.	Bayreuth. Ibid.	Lyme Regis. Ibid. Ibid. Ibid.	Lyme Regis. Gloucester. Lyme Regis. Ibid. Ibid. Ibid. Ibid. Ibid.	Lyme Regis. Secfeld.	Lyme Regis. Tilgate-forest. Whitby. Tilgate-forest. Stonesfield. Portland. Solenhofen. Stonesfield.	Lyme Regis. Solenhofen. Lyme Regis. Ibid. Solenhofen. Ibid. Ibid. Castella mare.	Purbeck. T. d'Orlando.	Bayreuth. Ibid. Shotover. Jura.
Kupfer-schiefer	Muschel-kalk							Muschel-kalk
		Lias	Lias	Lias Lias-schist	Lias Lias Great-oolite Portland-stone Golite Great-oolite Kinnclay	Lias Oolite Lias Oolite Lias	Jura-limestone	Kimclay
					Hastings-sand Hastings-sand		Purbeck-stone	
Platysomus gibbosus	Gyrolepis Albertii	Dapedius Colei granulatus politus. punctatus	Tetragouolepis confluens   dorsalis	Semionotus rhombifer	Lepidotus fimbriatus  ———————————————————————————————————		Ophiopsis dorsalis	II. LES PYCNODONTES AGASS. Placodus Gigas Münsteri Sphærodus Gigas

Silurian System. Locality.	Solenhofen Stonesfield.	Stonesfield.  Jura.  Tilgate-forest Stonesfield.  T. d'Orlando.	N. Stafford.	Lyme Regis.  Solenhofen.	Stonesfield. Solenhofen.	Lyme Regis		Lyme Regis. Ibid. Solenhofen. Ibid. Ibid.	Lyme Regis. Solenhofen. Lyme Regis. Lyme Regis. Ibid.	N. Stafford.
Old-red-sand System.	Poissons líktérocerques.									
Carboniferous System.			Coal-shale							Coal-shale
New-red-sand System.					• •					
Oolitic System.	Oolite Great-oolite	Great-oolite Jura-limestone Great-oolite Jura-limestone Great-oolite		Lias Oolite	Great-oolite Oolite	Lias	Oolite	Lias Oolite	Lias Oolite Lias	
The Wealden.	MOCERQUES.	Hastings-sand								
Cretaceous System.	Poissons Homocerques									
Super-cretaccous System.										
FAMILY, GENUS, and SPECIES.	Microdon hexagonus	Pycnodus Bucklandi  Gigas  microdon  parvus  rhombus	III. LES SAUROIDES. Agass. Megalichthys Hibberti	Gyrosteus mirabilis Aspidorbynchus acutirostris	Belonostomus leptosteus Münsteri	Ptycholopis bollensis		Leptolepis Bronnii  —————————————————————————————————	Eugnathus cheirotes	IV. LES CŒLACANTHES, Agass. Haloptychius n. s

# ORDER III. LES CTENOIDES. AGASSIZ.

-	Locality.	Glaris.		Monte Bolca.	Monte Bolca.	Monte Bolca.	Monte Bolca.	Monte Bolca.	Suffolk.	Monte Bolca. Ibid.	Monte Bolca. Ibid. Ibid.
	Silurian System.					•			•		
	Old-red-sand System.	Poissons Hétérocerques.			***************************************				•		
	Carboniferous System.			•							
,	New-red-sand System.										
	Oolitic System.										
	The Wealden.	s Homocerques.							•		
Cropsoco	System.	r.e	Chalk		Eocene	•					
Surrow ownto ocours	System.		Chalk	Eocene	Eocene	Eocene	Eocene Terformation	Eocene	Crag	Eocene	Eocene
	FAMILY, GENUS, and SPECIES.	I. LES PERCOIDES. Cuvier.  Acanus oblongus	Beryx ornatus	Holocentrum pygæum	Myripristis homopterygius	Lates gracilis	Smerdis micracanthus	Labrax schizurus	Platax? n. s.	Pygæus n. s	II. LES SPAROIDES, Cuv. Sparnodus altivelis

FAMILY, GENUS, and SPECIES.	Super-eretaceous System.	Cretaccous System.	The Wealden.	Oolitic System.	New-red-sand System.	Carboniferous System.	Old-rcd-sand System.	Silurian System.	Locality.
III. LES COTTOIDES. AGASS.		Poissons Homocerques.	focerques.			Poissons Hén	Poissons Hétérocerques.		
Cottus brevis Freshwater-beds	Freshwater-beds.								Œningen.
Pterygocephalus paradoxus Eocene	Eocene								Monte Bolca.
IV. LES AULOSTOMES. Cuv.									
Fistularia magnifica Engi-slate Encorne Encorne Engi-slate	Eocene							Clans. Monte	Glans. Monte Bolca.

ORDER IV. LES CYCLOIDES. AGASSIZ.

Locality.	Monte Bolca.	Monte Bolca.	Monte Bolca.	Glaris. Ibid.	Glaris.	Glaris.	Glaris.	Monte Bolca.	Sheppey.	Monte Bolca.	Kent.	Norfolk.	Kent.	Monte Bolea.	Sheppey.
Silurian System.	F-4								V4						
Old-red-sand System.	Poissons Hétérocerques.							•							
Carboniferous System.	Poissons H														
New-red-sand System.														•	
Oolitic System.		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							•						
The Wealden.	NS HOMOCERQUES.														
Cretaceous System.	Poisso		•	Engi-slate	Engi-slate	Engi-slate	Engi-slate				Chalk	Chalk	Chalk		
Super-cretaceous System.	Forene	Eocene	Eocene					Eocene	London-clay	Eocene	Chalk		Chalk	Eocene	London-clay
FAMILY, GENUS, and Species.	I. LES SCOMBEROIDES. Cuv.	Gasteronemia rhombeus	Carangopsis dorsalis	Palimphyes brevis	New genus, n. s	Isurus macrurus	Pleionemus macrospondylus Engi-slate	Ductor leptosomus Eocene	Cybium macropomum	Lichia prisca Eocenc	Saurocephalus lanciformis?	Enchodus Halocyon	Megaloden sauroides	Sphyræna gracilis	Sphyrænoides n. s London-clay

Glaris. Ibid. Ibid. Ibid.	Glaris. Ibid. Ibid. Ibid. Ibid. Ibid.	Sheppey.	Eningen.	Sheppey.	M. Lebanon. Glaris. Monte Bolca. Glaris. Ibid. Sicily.	Kent. Ibid.	Glaris.	Aix.	Monte Bolca.	Sinigaglia.	Eningen.	Œningen.	Wurtemberg. Sicbengebirge.
				0					0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											
				,									
Engi-slate	Engi-slate				Engi-slate Engi-slate	Chalk	Engi-slate						
		London-clay	Freshwater-beds	London-elay	Terbeds Engi-slate  Eocene Engi-slate  Newer-pliocene			Terbeds	Eocene	Tertiary-marl	Freshwater-beds	Freshwater-beds	Terbeds Papier-kohl
Anenchelum dorsale glarisianum glarisianum heteropleurum isopleurum latum latum	Palæorhynchum Colci  Egortoni  glarisianum  latum Ingirostre  nedium medium microspondylum	Tetrapterus priscus	II. LES ESOCES. CUVIER. Esox lepidotus	III. LES HALECOIDES. Agass. Megalops priscus	Clupca Beurardi — brevis — catopygoptera — megaptera — Scheuchzeri — tenuis	Osmeroides Mantellü	New Genus, near Scopelus n. s	IV. LES MUGILES. Agass. Mugil princeps	Atherina macrocephala Eocene	V. LES CYPRINODONTES. AGASS. Lebias crassicandus	VI. LES CYPRINOIDES. Cuv. Cobitis Cephalotes	Tinea fureata	Leuciscus gracilismacrurus

D

FAMILY, GENUS, and SPECIES.	Super-cretaceous System.	Cretaceous System.	The Wealden. Oolitic System.	Oolitic System.	New-red-sand System.	Carboniferous System.	Old-red-sand System.	Silurian System.	Locality.
		Poissons Ho	Homocergues.			Poissons Hétérocerques.	EROCERQUES.		
Leuciscus papyraceus	Papier-kohl				Siebengebirge.  Gaingen.				Siebengebirge. Œningen.
New Genus n. s Freshwater-beds	Freshwater-beds.								Œningen.
VII. LES GADOIDES. Cuv.  Cyclurus crassus		Engi-slate			Glaris. 1bid.				Glaris. Ibid.

## ADDENDA.

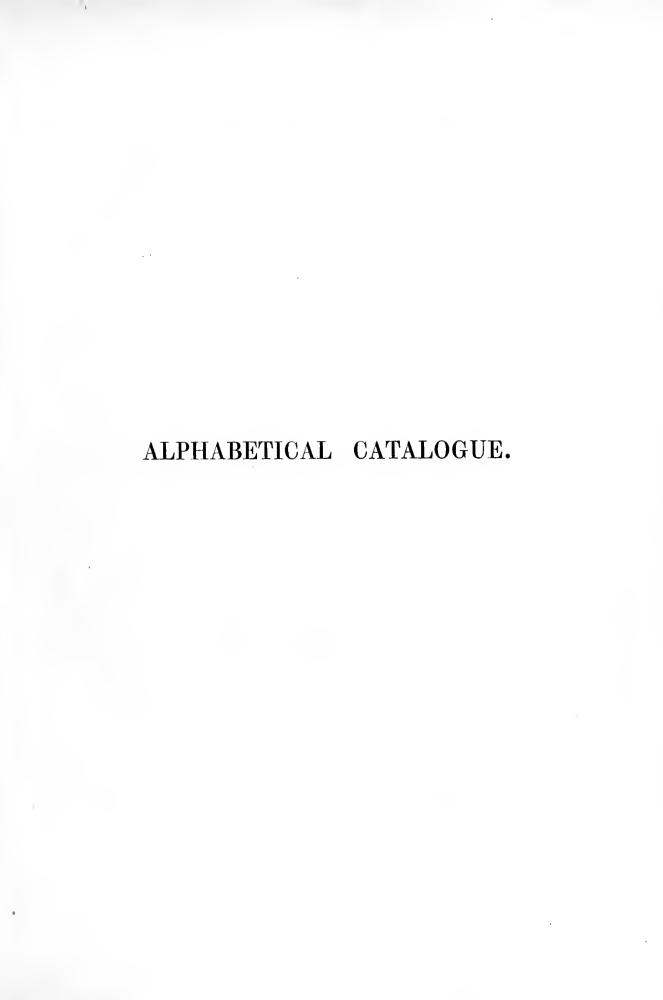
FAMILY, GENUS, and SPECIES.	Super-cretaceous System.	Cretaceous System.	The Wealden.	Oolitic System.	New-red-sand System.	Carboniferous System.	Old-red-sand System.	Silurian System.	Locality.
Psammodus rugosus			Carb,-limestone.			Carblimestone.			Bristol.
Gyracanthus formosus			Coal-shale		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Coal-shale			Rhuabon.
Chimæra Townshendii ? Green-sand		Green-sand							Maidstone.
Palæoniscus catopterus					Rcd sandstone				Roan-hill.
Beryx radians Chalk		Chalk							Kent.

# CORRIGENDA.

Page 1, Column 6, for bigarrée read bigarré.

3, — 1, for rhaphiodon read raphiodon.
3, after Palæoniscus elegans insert in column 6, Mag.-limestone.

4, Column 10, for T. d'Orlando read Torre d'Orlando.
5, — 1, for Haloptychius read Holoptychius.
5, — 10, for T. d'Orlando read Torre d'Orlando.
6, — 1, for Cyclarthus read Cyclarthrus.
7, — 1, for Megalodon sauroides read Hypsodon lewesiensis.



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#### ALPHABETICAL CATALOGUE.

GENUS and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Acauthodermaspinosum	2	5	C. E.	Agass. Mss.	Engi-slate	Glaris.
Acanusoblongus			C. E. C.	Agass. Mss. Agass. Mss.	Engi-slate	Glaris. Ibid.
Acrodus	••••••••	••••••	C. E. C. E. C. E. C. E.	Agass. Mss. Agass. Mss. Agass. Mss. Geolog. Trans., 2nd Series, Vol. i. Pl. 4, fig. 6. Agass. Mss.	Lias	Ibid. Lyme Regis. Ibid. & Bath.
Amblypterus			C. E. C. E. C. E. C. E.	Agass. Poiss. Foss., Vol. ii. page 36	<u> </u>	Lebach. lbid. Ibid. Ibid.
Anenchelum	•••••••	••••••	C. E. C. E. C. E. C. E.	Agass. Mss.  De Blain. Dict. des Sci. Nat.  Agass. Mss.  Agass. Mss.  Agass. Mss.  Agass. Mss.		Ibid. Ibid. Ibid.
Aspidorhynchus	2	3	C. E. C. E.	Agass. Poiss. Foss., Vol. ii. page 14	Oolite	Solenhofen. Ibid.
Asteracauthusornatissimussemiradiatus .		1	C. E. C. E.	Agass. Poiss. Foss., Vol. iii. tab. 8	Kimclay Great-oolite	
Atherina macrocephala	4	4	E.	Agass. Poiss. Foss., Vol. iv. page 43, note	Eocene?	Monte Bolca.
Belonostomusleptosteus  Münsteri	2	3	C. E. C. E.	Agass. Mss	Great-oolite	Stonesfield. Solenhofen.
Beryx		1	С. Е.	$\left\{ \begin{array}{c} \text{Agass. Poiss. Foss., Vol. iv. tab. } 14a \text{ and } d, \\ 14c, \text{ figs. } 1, 6, 14b, \text{ fig. } 1 \dots \dots \end{array} \right\}$	Chalk	Sussex.
Carangopsisdorsalis	4	1	C.	Agass. Poiss. Foss., Vol. v. tab. 8	Eocene?	Monte Bolca.
Carcharias	•	•••••	C. E. C. E. C. E. C.	Agass. Mss.	Older-pliocene? Tertiary form Older-pliocene? Tertiary form	Malta. Maryland. Malta. Maryland.

GENUS and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Carcharias minor			C. E. C. C. E. C.	Agass, Mss. Agass. Mss. Agass. Mss. Agass. Mss.	Older-pliocene :	Maryland. Ibid. Malta. Sheppey.
Caturus			C. E. C. E. C. E. C.	Agass. Poiss. Foss., Feuilleton, page 14		Solenhofen. Ibid. Ibid. Ibid.
Ceratodus	1	•••••	С. Е.	Agass. Mss.	Lias	Aust.
Chimæra			E. E. C. E.	Buckland, Phil. Mag., Jan. 1836., p. 4 Ditto ditto ditto Egerton Mss Eyerton Mss	Kimclay Lower-chalk Gault Great-oolite	Shotover. Kent. Folkstone. Stonesfield.
Clupea			C. E. C. E. C. E. C. E. C. E.	De Blain. Dic. des Sci. Nat	Engi-slate Eocene? Engi-slate	M. Lebanon. Glaris. Monte Bolca. Glaris. Ibid. Sicily.
Cobitis Cophalotes		6	C.	Agass. Poiss. Foss., Vol. v. tab. 50, fig. 5, 6, 7.	F. water-form.	Œningen.
Coelacanthus gracilis		4	C. C.	Agass. Mss	Unknown Maglimestone	Unknown. E. Thickley.
Cottns brevis		3	C. E.	Agass. Mss.	F. water-form.	Œningen.
Ctenacanthus major tenuistriatus	•••••		C. E. C. E.	Agass. Poiss. Foss., Vol. iii. tab. 4	Carblimestone	Bristol.
Cybinm macropomum	4	1	C.	Agass. Poiss. Foss., Feuilleton, page 42	Lonclay (Eo.)	Sheppey.
Cyclarthrus macropterus	2	6	С. Е.	Agass. Poiss. Foss., Vol. iii. tab. 44, fig. 1	Lias	Lyme Regis.
Cyclurus crassusnemopterus	•••••	7	C. E. C. E.	Agass. Mss. Agass. Mss.	Engi-slate	Glaris. Ibid.
Dapedius   Colei   granulatns   politus   punctatus	••••••		C. E. C. E. C. E.	Agass. Poiss. Foss., Vol. ii. page 195	Lias	Lyme Regis. Ibid. Ibid. Ibid.
Dercetis elongatus		5	C. E.	Agass. Poiss. Foss., Vol. ii. tab. 66a, figs. 1 to 8	Chalk	Sussex.
Diplodusgibbosus		2	C. E.	Agass. Poiss. Foss., Feuilleton, page 80	Coal-shale	N. Stafford.
Dipterus	2	1	С. Е.	Sedg. and Murch. Geolog. Trans., 2nd Ser., Vol. iii. Pl. 15, 16, 17. Agass.Poiss.Foss., Vol. ii. page 115	Caithness-schist.	Caithness.
Ductor leptosomus	4	1	С. Е.	Agass. Poiss. Foss., Vol. v. tab. 12	Eocene?	Monte Bolca.

GENUS and SPECIES.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Enchodushalocyou		1	С. Е.	Agass. Poiss. Foss., Vol. v. tab. 25c, figs. 1 to 16	Chalk	Sussex and
Esoxlepidotus		2	С. Е.	Esox lucius. Knorr	F. water-form.	Œningen.
Eugnathus		• • • • • • • • • • • • • • • • • • • •	C. E. C. E. C. E.	Agass. Mss. Agass. Mss. Agass. Mss. Egerton Mss.	Oolite Lias	Solenhofen. Lyme Regis. Whithy.
Fistularia maguifica — tenuirostris		4	E. C. E.	Agass. Mss	Engi-slate Eocene?	
Galeus			C. E. C. C. E. €. E.	Agass. Poiss. Foss., Vol. iii. t. 26, figs. 24 to 28 Agass. Poiss. Foss., Vol. iii. t. 26, figs. 4 to 14 Agass. Mss. Agass. Mss.	Molasse (Mio.) Upper-chalk Molasse (Mio.) Chalk	Soleure.
Gasteronemusrhombeus		1	С. Е.	Agass. Poiss. Foss., Vol. v. page 20	Eocene?	Monte Bolca.
Gyrolepis		1	C. E. C.	Agass. Poiss. Foss., Vol. ii. p. 173	Muschel-kalk	Bayreuth. Ibid.
Gyrosteus mirabilis	2	3	C. E.	Agass. Mss	Lias	Lyme Regis.
Hemipristisserra		4	C. E.	Agass. Poiss. Foss., Vol. iii.t. 27, figs. 18 to 30	Molasse (Mio.)	Soleure.
Holocentrum pygæum		1	С. Е.	Agass. Poiss. Foss., Vol. iv. page 107	Eocene?	Monte Bolca.
Holoptychius		4	E. E.	Agass. Mss	Coal-limestone Coal-shale	Burdie House. N. Stafford.
Hybodus acutus curtus dorsalis grossiconus incurvus marginalis minor ornatus plicatilis polyprion reticulatus n. s.			E. C.	Agass. Poiss. Foss., Vol. iii. tab. 10, figs. 4, 5, 6  Agass. Mss. Agass. Poiss. Foss., Vol. iii. tab. 10, fig. 1  Agass. Mss. Agass. Mss. Agass. Poiss. Foss., V. iii. t. 10, figs. 18, 19, 20, 21  Agass. Mss. Agass. Mss. Agass. Mss. Agass. Mss.  Agass. Mss.  Agass. Mss.  Agass. Mss.  Agass. Mss.  Agass. Mss.  Agass. Mss.  Geolog. Trans., 2nd Ser., Vol. i. Pl. 4, figs.  7, 8, 9, 10; Pl. 5, figs. 3, 4	Great-oolite	Lyme Regis. Stonesfield. Ibid. Lyme Regis. Ibid. Bath. Aust. Lyme Regis. Bayreuth. Stonesfield.
Isurus	4	1	C. E.	Agass. Mss	Engi-slate	Glaris.
Labrax schizurus		1	C. E.	Agass. Poiss. Foss., Vol. iv. page 89	Eocene?	Monte Bolca.
Lamnaacuminata	1	4	С. Е.	Agass. Poiss. Foss., Feuilleton, page 54, note	Chalk	Sussex.

i

Genus and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Lamna appendiculata				Agass. Poiss. Foss., Fcuilleton, page 54, note	Chalk	{ Sussex & Maëstricht.
contortidens	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	C. E.	Ayass. Mss.	Molasse (Mio.)	Soleure,
- cuspidata			C. E.	Agass. Mss.		lbid.
denticulata	•••••	•••••	C. E.	Aguss. Mss.		Ibid.
—— hastalis			C. E. C. E.	Aguss, Mss Paulleton mare 54 note	Chalk	Ibid.
— Mantelli			C. E.	Agass. Poiss. Foss., Feuilleton, page 54, note  Agass. Mss.	Lonclay (Eo.)	Sussex. Sheppey.
obliqua plicata			C. E.	Agass, Mss.		Ibid.
— quadrans			C. E.	Agass. Mss.	Molasse (Mio.)	Soleure.
- trigonodus			C. E.	Agass. Mss.	Older-pliocene?	Malta.
trigonodusxiphodon			C. E.	Agass. Mss.		Ibid.
n. s			C. E.	Ågass. Mss.	Molasse (Mio.)	Soleure.
Lates	3	1	6. 17			
gracilis	1		C. E.	Agass. Poiss. Foss., Vol. iv. page 25	Eocene?	Monte Bolca.
Lebias crassicaudus	4	5	E.	Agass. Mss	Tertiary-form.	Sinigaglia.
Lepidotus fimbriatus	2	1	C. E.	Agass. Mss	Lias	Lyme Regis.
			1	Agass. Poiss. Foss., Vol. ii. tah. 30, figs. 4, 5,	1	
Fittoni		1		6, and tabs. 30a, 30b	Hastings-sand .	Tilgate-forest.
Gigas			C. E.	Agass. Poiss. Foss., Vol. ii. tabs. 28 and 29	Lias	Whitby.
——— Mantelli				Agass. Poiss. Foss., Vol. ii page 9, tab. 30,	Hastings-sand	Tilgate-forest.
	1		1	figs. 10—15, tab. 30c	Great-oolite	
maximus	.		1	Agass. Mss.	Portland-stone.	Stonesfield. Portland.
minor				Agass. Poiss. Foss., Vol. ii. page 9. tab. 34	Oolite	Solenhofen.
notopterus			0 11	Agass. Poiss. Foss., Vol. ii. tab. 35	Great-oolite	Stonesfield.
			C.	Agass. Mss.	Kimclay	Boulogne.
Leptacanthus	1	1				
semistriatus	.		C. E.	Agass. Poiss. Foss., V. iii. t. 7, figs. 3, 4, 5, 6, 7, 8	Great-oolite	Stonesfield.
———— tenuispinus			C.	Agass. Mss.	Lias	Lyme Regis.
Leptolepis	2	3				
Bronnii		.	C. E.	Agass. Poiss. Foss., Vol. ii. page 13	Lias	Lyme Regis.
caudalis			C. E.	Agass. Mss		Ibid.
contractns		.	C. E.	Agass. Poiss. Foss., Feuilleton, page 14	Oolite	Solenhofen.
dubius			C. E.	Agass. Poiss. Foss., Vol. ii. page 13		1 bid.
Knorrii	.		C. E.	Agass. Poiss. Foss., Vol. ii. page 13		Ibid.
			C. E.	Agass. Poiss. Foss., Vol. ii. page 13		Ibid.
Leuciscus	. 4	6			E C	377 . 3
gracilis			C.	Agass. Mss.	F. water-form.	
macrurus		· ······	C. E. C. E.	Agass. Mss	Papier-kohl	
—— papyraceus			C. E.	Agass. Poiss. Foss., Vol. V. tab. 30	F. water-form	Eningen.
eningensis			0. 13.	Agass. 1 0155. 1 055., 4. 4. 1. 01, 11gs. 1, 0, 62 1. 00	2 · Mater 101111	Caningen.
Lichia	. 4	1	C. E.	Agass. Poiss. Foss., Vol. v. tabs. 11 and 11a	Eocene ?	Monte Bolca.
—— prisca			0. 2.	ngass. Folest 1955, Fol. V. 1455. 11 and 114		Dorea.
Macropoma	. 2	4				
— Mantelli			C. E.	Agass. Poiss. Foss., Vol. ii. tabs. 65a, b, c, d	Chalk	Sussex.
Mallotus	4	3				
—— villosus (fossilis?)			C. E.	Agass. Poiss. Foss., Feuilleton, page 78	Recent-form.?	Greenland.
Megalichthys	$\frac{1}{2}$	3				
	1		, n	A D: E VIII OF	Coal-formation .	BurdicHouse
——— Hibbertii			E.	Agass. Poiss. Foss., Vol. ii. page 87	Coal-formation .	N. Staflord.
Megalodon	4	1				
sauroides			E.	Agass. Poiss. Foss., Feuilleton, page 55, note	Chalk	Kent.
Magalona	1	3				
Megalopspriscus	. 4		E.	Agass. Mss	Lonclay (Eo.)	Sheppey.
— priscus	· · · · · · · ·		-2.		()	11-7
774 1	1 0					
Microdon	. 2	1			0.14	011
Microdon hexagonus			C. E. C.	Agass. Poiss. Foss., Vol. ii. page 16	Oolite	Solenhofen. Stonesfield.

GENUS and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Mugil princeps	• • • • • • • • • • • • • • • • • • • •	4	C. E.	Agass. Mss.	Tertiary-form	Aix.
Myliobatis			C. E. C. E. C. E. E.	Agass. Mss. Agass. Mss. Agass. Mss.	Lonclay, (Eo.)  Molasse (Mio.)  Unknown	Sheppey. Ibid. Solcure. Unknown.
Myriacanthus paradoxus		1	C. E.	Agass. Poiss. Foss., Vol. iii. tab. 6, Geol. Trans., 2nd Ser., Vol. i. p. 65, figs. 1, 2.	Lias	Lyme Regis.
Myripristis homopterygius	3	1	С. Е.	Agass. Poiss. Foss., Vol. iv. page 39, note	Eocene?	Monte Bolca.
Nemacanthus filifer		1	E.	Agass. Poiss. Foss., Vol. iii. tab. 7, fig. 9	Lias	Aust.
Notagogus		1	E.	Agass. Poiss. Foss., Vol. ii. p. 10, tab. 49, fig. 2	Jura-limestone	T. d'Orlando.
Notidanus microdon primigenius			C. E. E.	Agass. Poiss. Foss., Vol. iii. tab. 27, fig. 1 Agass. Poiss. Foss., Vol. iii. tab. 27, figs. 2 to 17		Kent. Soleure.
Odontaspis raphiodon		4	C. E.	Agass. Poiss. Foss., Feuilleton, page 55 note	Upper-chalk	Maëstricht.
Ophiopsisdorsalis		1	Е.	Agass, Mss	Purbeck-stone .	Purbeck.
Orodus	ì	1	С. Е.	Agass. Poiss. Foss., Vol. iii. tab. 11, figs. 5, 6, 7, 8, 9	Carblimestone	Bristol.
Osmeroideslewesiensis Mantellii?			C. E. E.	Agass. Poiss. Foss., Vol. v. tabs. 60c and b	Chalk Lower-chalk	
Osteolepisarenatus		1	E.	Agass. Poiss. Foss., Vol. ii. page 122	Nodules	Gamrie.
Palæoniscus			C. E. C. E. C. E. C. E. C. E. C. E. C. E.	Agass. Poiss. Foss., Vol. ii. page 48	Coal-formation . Magnesian-lim. Coal-formation . Coal-shale Magnesian-lim. Kupfer-schiefer Magnesian-lim. Zechstein Kupfer-schiefer	E. Thickley. Zweibrücken. N. Stafford. E. Thickley.
Palæorhynchum			C. E.	Agass. Mss		Glaris. Ibid. Ibid. Ibid. Ibid. Ibid.
Palimphyesbrevislongus			C. E. C. E.	Agass. Poiss. Foss., Vol. v. tab. 20		Glaris. lbid.
Pholidophorus Bechei		1	C. E.	Geolog. Trans., 2nd Series, Vol. i. Pl. 7, fig. 1.	Lias	Lyme Regis.

GENUS and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Pholidophorus latimanus			C. E.	Agass. Poiss. Foss., Feuilleton, page 10	Oolite	Solenhofen.
latiusculus			C. E.	Agass. Poiss. Foss., Vol. ii. page 9		Lyme and Secfeld.
limbatus onychius	1		C. E. C. E.	Agass. Poiss. Foss., Vol. ii. page 9		Lyme Regis. Ibid.
radiato- punctatus			E.	Agass. Mss.		
punctatus J			C. E.	Agass Poiss Fors Fauillaton naga II		Thid
uræoides			C. E.	Agass. Poiss. Foss., Feuilleton, page 10		Ibid.
n. s.?			E.		Lias?	CastellaMare
Placodus	2	2				
Gigas			C. E.	Agass. Poiss. Foss., Vol. ii. p. 15	Muschel-kalk	Bayreuth.
— Münsteri			E.	Agass. Poiss. Foss., Fcuilleton, page 17		Ibid.
Platysomusgibbosus		1	C.	Agass. Poiss. Foss., Vol. ii. p. 164	Kupfer-schiefer	Eisleben.
Pleionemus	4	1				
macrospondylus			E.	Agass. Mss.	Engi-slate	Glaris.
Pleuracanthus	2	5	C. E.	Agass. Mss.	Engi-slate	Glaris.
			0. 11.	1.5	5	Olario.
Psainmodus		1	C. E.	Agass. Mss.	Carblimestone	Bristol.
contortus	ļ		C. E.	Agass. Poiss. Foss., Vol. iii. tab. 14, figs. 16 to 33		lbid.
lævissimus	·····			Agass. Poiss. Foss., Vol. iii. tab. 14, figs. 1 to 15		Ibid.
linearis			C. E.	Agass. Poiss. Foss., Vol. iii. t. 12, figs. 5, 6, 7, 8, 9, 10, 11, 12, 13		Ibid.
magnus		<b></b>	C. E.	Agass. Mss.	Great-oolite	Stonesfield.
porosus			C. E.	Agass. Poiss. Foss., Vol. iii. tab. 13	Carblimestone	Bristol.
reticulatus			C. E.	Agass. Mss.	Kimclay	Shotover.
sub-reticulatus			C. E.	Agass. Mss.	Inferior-oolite	Dundry.
tenuisturgidus	********		C. E. C. E.	Agass. Mss. Agass. Mss.	Great-oolite Carblimestone	Stonesfield. Bristol.
Pterygocephalus paradoxus	3	3	E.	Agass. Poiss. Foss., Vol. iv. page 40, note	Eocene?	Monte Boles
Ptycholepis bollensis	2	3		Agass. Poiss. Foss., Vol. ii. page 11		Luma Paris
			C.	Agass. 10iss. Poss., voi. ii. page 11	11103	Lyme Regis
Ptychodus	1	1	C. E.	Agass. Poiss. Foss., Feuilleton, page 54, note	Chalk	Suggar
decurrens		•••••	C. E.	Agass. Poiss. Foss., Feuilleton, page 54, note	—	lbid.
latissimus			C. E.	Agass. Poiss. Foss., Feuilleton, page 54, note		Kent.
mammillaris			C. E.	Agass. Poiss. Foss., Feuilleton, page 54, note	<u> </u>	Sussex.
polygyrus		•••••	C. E.	Agass. Poiss. Foss., Feuilleton, page 54, note		Kent.
Pycnodus	. 2	2	C. E.	Agass. Poiss. Foss., Vol. ii. page 16	Great-oolite	Stonesfield.
Gigas			C. E.	Agass. Poiss. Foss., Vol. ii. page 17	Jura-limestone.	Jura.
microdon			C. E.	Agass. Poiss. Foss., Vol. ii. page 17	Hastings-sand .	Tilgate-fores
parvus			C. E.	Agass. Mss.	Great-oolite	Stonesfield.
rhombus			E. C.	Agass. Poiss. Foss., Feuilleton, page 42	Jura-limestone Great-oolite	T. d'Orland Stonesfield.
Pygæus	2	1				
n. s			C.	Agass. Mss		Monte Bolca
n. s	······		C. E.	Agass. Mss.		Ibid.
Saurocephalus	. 4	1				
lanciformis?	1		C. E.	Agass. Poiss. Foss., Vol. v. tab. 25c, figs.	Chalk	Kent.
Semionotus		1				
rhombifer			C. E.	Agass. Poiss. Foss., Vol. ii. tab. 26a	Lias	Lyme Regis
n. s			C. E.	Agass. Mss.	Bituminschist	Seefeld.
Smerdis	. 2	1	6	A D . D . W	12	Mark D.
micracanthus			C. E.	Agass. Poiss. Foss., Vol. iv. page 33	Eocene ?	Monte Bolca
minutus			С. Е.	Agass. Poiss. Foss., Vol. iv. page 54	Tertiary-form	Aix.

Genus and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Sphærodus		2	C. E. C.	Agass. Poiss. Foss., Vol. ii. page 15		
Sparnodus	• • • • • • • • • • • • • • • • • • • •		C. E. E.	Agass. Poiss. Foss., Vol. iv. page 40, note Agass. Poiss. Foss., Vol. iv. page 39, note Agass. Poiss. Foss., Vol. iv. page 40, note		Ibid.
Sphyrænagracilis		1	C.	Agass. Poiss. Foss., Vol. iv. page 42, note	Eocene?	Monte Bolca.
Spinacorhinus polyspondylus	1	5	C. E.	Agass. Poiss. Foss., Vol. iii. tabs. 42, 43	Lias	Lyme Regis.
Tetragonolepis		••••••	C. E.	Agass. Poiss. Foss., Vol. ii. page 199		Gloucester. Lyme Regis. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid.
Tetrapterus priscus		1	C. E.	Agass. Mss.	Lonclay (Eo.)	Sheppey.
Thrissops salmoneus	2	3	C.	Agass. Poiss. Foss., Vol. ii. p. 12	Oolite	Solenhofen.
Tinca —— furcata		6	С. Е.	Agass. Poiss. Foss., Vol. v. tab. 52	F. water-beds	Œningen.
Vomerlongispinus		1	Е.	Agass. Poiss. Foss. , Vol. v. page 28, tabs. 5 and 6	Eocene	Monte Bolca.

#### ADDENDA.

GENUS and Species.	Order.	Family.	Cabinet.	References.	Formation.	Locality.
Beryxradians		1	C. E.	Agass. Poiss. Foss., Feuilleton, p. 55, note	Chalk	Kent
Chimæra	1	3	E.	Bucklaud. Phil. Mag., Jan. 1836., p. 4		
Gyracanthus formosus		1	C.	Agass. Poiss. Foss., Vol. iii. tab. 5, figs. 4 to 8.	Coal-shale	North Wales
HypsodonlewesiensisLeuciscus		6	С, Е.	Agass. Poiss. Foss., Feuilleton, p. 55, note	Chalk	Kent.
Palæoniscus		1	C.	Agass. Mss.	F. water-form.	Œningen.
Psammodus		1	С. Е.	Agass. Poiss. Foss., Feuilleton, page 78	New red-sand	Roan-hill.
rugosus			C.	Agass. Poiss. Foss., Feuilleton, Vol. iii. tab. 12, figs. 14 to 18	Carblimestone	Ireland.

#### CORRIGENDA.

Page 4, Column 1, dele Megalodon sauroides.

5, - 7, for T. d'Orlando read Torre d'Orlando.
6, - 7, for T. d'Orlando read Torre d'Orlando.

15- 304

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