

THE
GEOLOGICAL MAGAZINE:

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

"THE GEOLOGIST."

NOS. CCXXXV. TO CCXLVI.

EDITED BY

HENRY WOODWARD, LL.D., F.R.S., F.G.S., F.Z.S., F.R.M.S.,

OF THE BRITISH MUSEUM OF NATURAL HISTORY;

VICE-PRESIDENT OF THE PALEONTOGRAPHICAL SOCIETY,

MEMBER OF THE LYCEUM OF NATURAL HISTORY, NEW YORK; AND OF THE AMERICAN PHILOSOPHICAL SOCIETY, PHILADELPHIA; HONORARY MEMBER OF THE YORKSHIRE PHILOSOPHICAL SOCIETY; OF THE GEOLOGISTS' ASSOCIATION, LONDON: OF THE GEOLOGICAL SOCIETIES OF EDINBURGH, GLASGOW, AND NORWICH; CORRESPONDING MEMBER OF THE GEOLOGICAL SOCIETY OF BELGIUM; OF THE IMPERIAL SOCIETY OF NATURAL HISTORY OF MOSCOW; OF THE NATURAL HISTORY SOCIETY OF MONTREAL; AND OF THE MALACOLOGICAL SOCIETY OF BELGIUM.

ASSISTED BY

PROFESSOR JOHN MORRIS, M.A., F.G.S., &c., &c.,

AND

ROBERT ETHERIDGE, F.R.S. L. & E., V.P.G.S., &c.

OF THE BRITISH MUSEUM OF NATURAL HISTORY.

NEW SERIES. DECADE III. VOL. I.

JANUARY—DECEMBER, 1884.

LONDON:

TRÜBNER & Co., 57 AND 59, LUDGATE HILL.

F. SAVY, 77, BOULEVART ST.-GERMAIN, PARIS.

1884.

HERTFORD:

PRINTED BY STEPHEN AUSTIN AND SONS.

LIST OF PLATES.

PLATE	PAGE
I. A Faulted Slate	1
II. <i>Otenacanthus costellatus</i> , Traquair, Carboniferous, Eskdale.	8
III. Oxfordian and Lower Oolite Gasteropoda (Yorkshire)	49
IV. " " " "	107
V. <i>Megalichthys laticeps</i> , Traquair, Carboniferous	121
VI. Oxfordian and Lower Oolite Gasteropoda (Yorkshire)	146
VII. " " " "	193
VIII. " " " "	241
IX. " " " "	296
X. <i>Archæastacus (Eryon) Willemæsii</i> , Spence Bate, Lias	307
XI. Australian Fossils	337
XII. Carboniferous Entomostraca, Nova Scotia	357
XIII. Caudal Segments and Valves of <i>Echinocaris</i>	393
XIV. Head of the Berlin <i>Archæopteryx</i>	419
XV. <i>Viverra Hastingsiæ</i> , Davies, Eocene, Hampshire	433
XVI. Carboniferous Trilobites	485
XVII. British Eocene <i>Aporrhæida</i>	529

	PAGE
<i>Brachymetopus discors</i> , M'Coy	305
<i>Dalmanites ? Cuyahogæ</i> , Claypole	305
<i>Phillipsia Lodiensis</i> , Meek	305
Skull of <i>Pteranodon longiceps</i> , Marsh (full-page illustration)	347
Section of Coal-Strata at the Joggins, Nova Scotia	359
A new Metamorphic Area in Shropshire	363
Diagram of Mr. Teall's Faulted Slate	367
Section at Jebel Ahmar	387
Lower Eocene Limestone near Thebes	389
Cretaceous Sandstone and Marl above Silsilis	389
Section at Jebel-Attaka	390
External and Internal Surface-markings of <i>Echinocaris Wrightiana</i>	395
To illustrate Mr. Fisher's Paper on Cleavage and Distortion	398
" " " "	399
" " " "	405
To illustrate Mr. Oldham's Graphic Table of Dips	414
To illustrate Mr. Fisher's Paper on Faults	429
Relation of Crystalline Rocks and Nubian Sandstone at First Cataract	439
<i>Canis vulpes</i> , half the Palate. From the Red Crag	443
<i>Oxyæna gallie</i> , exterior half of Palate. From the Phosphorites of Caylux	445

