GEOLOGICAL MAGAZINE:

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

"THE GEOLOGIST."

NOS. CLXXXVII. TO CXCVIII.

EDITED BY

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

OF THE BRITISH MUSEUM;

(NATURAL HISTORY.)

MEMBER OF THE LYCEUM OF NATURAL HISTORY, NEW YORK; AND OF THE AMERICAN FULLOSOPHICAL 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; AND OF THE NATURAL HISTORY SOCIETY OF MONTREAL.

ASSISTED BY

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

AND

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

PRESIDENT OF THE GEOLOGICAL SOCIETY OF LONDON.

NEW SERIES. DECADE II. VOL. VII.

JANUARY-DECEMBER, 1880.

LONDON:

TRÜBNER & Co., 57 AND 59, LUDGATE HILL. F. SAVY, 77, BOULEVART ST.-GERMAIN, PARIS. 1880.

HERTFORD:

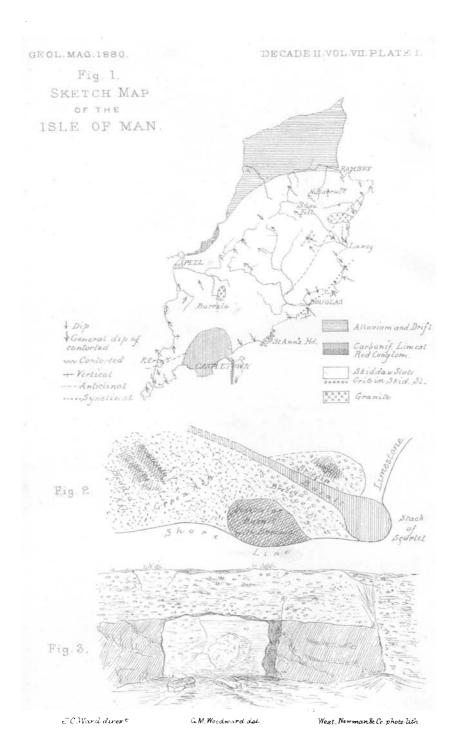
PRINTED BY STEPHEN AUSTIN AND SONS.

LIST OF PLATES.

PLATE								PAGI
I.	Sketch Map of the Isle of Man]
II.	Fossil Bird Bones							 18
III.	Cretaceous Gasteropoda	••••						 49
IV.	Geological Map of West Ross-shire	••••				••••		 104
v.	Upper Devonian Fossils, South Devon			••••		••••		 145
Vſ.	English and North American Anomaloc	ystic	læ					 198
VII.	Carboniferous Tubicolar Annelida							 268
VIII. IX.}	Corallian Gasteropoda, Yorkshire	••••	••••			••••		 289
X.	L. Llandeilo Brachiopoda, Brittany	•••••				••••		 337
XI.	Humerus of Lynx from Teesdale,	•••••	••••					 346
XII.	Spot where Bones of Wolf and Lynx w	ere i	ound	, Tee	esdal	e Ca	ve	 346
XIII.	Corallian Gasteropoda, Yorkshire	••••	••••	••••	••••	••••	••••	 394
XV.	Gulo luscus, Linn., Norfolk Forest Bed			•				 433
XVI.	Corallian Gasteropoda, Yorkshire				••••			 481
XVII.	Ditto							 529

LIST OF WOODCUTS.

	PAGE
Section at right angles to cliff through westerly chalk bluff at Trimmingham	61
Cliff section west of Wood Hill, Plimton	62
Section at right angles to cliff near Sidestrand Church	63
Diagram section to illustrate the mode of formation of contortions	64
Diagram section from south coast of England to north coast of Norfolk	75
Onycopyge Liversidgei, H. Woodw. (restored), nat. size, Silurian, Bombala,	
New South Wales	97
Fig. 1 to illustrate Professor Milne's theory of the Cooling of the Earth	100
Fig. 2 Ditto ditto ditto	101
Perlitic structure produced in Canada balsam by rapid cooling	116
Section of Perlite from Hlinik, near Schemnitz	116
Plan of Craig yr Allor anticlinal	119
Anticlinal N.E. of Pentre'r felin	121
Plan of the group between Ty Croes and Gwalchmai	123
Section two furlongs N.W. of Gwalchmai Church	124
Eastern face of Trimmingham Chalk Bluff with caverns, as seen July 8, 1868	148
Contents of largest cavern observed in Fig. 1	149
Aiguilles, near Sherringham, May, 1864	150
Side view of same mass represented in Fig. 3	151
Section across Glen Laggan	159
Fig. 1 to Professor Milne's Cooling of Earth	168
Fig. 2 Ditto ditto	170
Ateleocystites (Placocystites) Forbesianus, De Kon. sp	197
Frontispiece to Scarborough Catalogue	241
Rough diagram of relation of rocks between Tan-y-maes and Tan-y-perthi	301
Section on east side of tunnel at Morley, near Derby	309
Dinobolus Brimonti	341
Glottidia Palmieri, Dall (recent), Lingula Lesueuri, Rouault, Lower Silurian	341
Lingula Lesueuri with peduncle, Budleigh Salterton	342
Section on the Durham bank of the Tees, 180 yards from foot of Maize Beck	434
Basalt and saccharoid limestone "cheek by jowl," White Well, Cronkley Fell	435
Sedimentary beds	437
Diagram section at High Force	439
Diagram of Whin Sill, from Denny to Abbey Craig at Stirling	441
Face of Fragment of Mica-Schist, Bodö, Norway	515



To illustrate the Rev. J Clifton Ward's paper.