

THE
GEOLOGICAL MAGAZINE.

NEW SERIES.

DECADE V. VOL. II.

JANUARY—DECEMBER, 1905.



THE
GEOLOGICAL MAGAZINE

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

“THE GEOLOGIST.”

NOS. CCCCLXXXVII TO CCCCXCVIII.

EDITED BY

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

LATE OF THE BRITISH MUSEUM OF NATURAL HISTORY;
PRESIDENT OF THE PALÆONTOGRAPHICAL SOCIETY, VICE-PRESIDENT
OF THE MALACOLOGICAL 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 INSTITUTION OF MINING AND
METALLURGY, LONDON; OF THE GEOLOGICAL SOCIETIES OF EDINBURGH,
GLASGOW, HALIFAX, LIVERPOOL, AND SOUTH AFRICA; 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

WILFRID H. HUDLESTON, M.A., F.R.S., F.G.S., F.L.S., F.C.S.

GEORGE J. HINDE, PH.D., F.R.S., F.G.S., &c.

AND

HORACE BOLINGBROKE WOODWARD, F.R.S., V.P.G.S., &c.

NEW SERIES. DECADE V. VOL. II.

JANUARY—DECEMBER, 1905.

LONDON:

MESSRS. DULAU & CO., 37, SOHO SQUARE, W.
1905.

HERTFORD :

PRINTED BY STEPHEN AUSTIN AND SONS, LTD.

LIST OF PLATES.

PLATE	FACING PAGE
I. Portrait of William Thomas Blanford, C.I.E., LL.D., F.R.S., V.P.Z.S., Treas. G.S.	1
II. Triassic <i>Estheriella</i> from the Malay Peninsula	52
III. <i>Cyrtoceras (Meloceras) apicale</i> , A. H. Foord	62
IV. Trilobites from Haverfordwest	104
V. Cephalopods and Trilobites from St. Minver, Cornwall	160
VI. <i>Sympterura Minverii</i> , Bather, sp. nov.	169
VII. The "Cullinan" Diamond, nat. size	172
VIII. The "Cullinan" Diamond, nat. size	172
IX. Tripiti Cave, West Crete	193
X. Men at work in the Upland Basin of Katharo, East Crete	202
XI. Section near Wiesbaden	229
XII. Skeleton of <i>Potacanthus Foxi</i> , Hulke (restored)	243
XIII. Slab of Limestone with remains of Trilobites	255
XIV. Forms of <i>Stomatopora</i>	265
XV. Skeleton of <i>Streptospondylus</i> , Oxford Clay	292
XVI. Tertiary Shells from Mekran Coast	298
XVII. Tertiary Shells from Mekran Coast	300
XVIII. Radial Jointing in Chalk near Winchester	321
XIX. Map of the Baltic and some Baltic Shells	352
XX. Intrusive Pyroxenites in Ceylon Granulites	367
XXI. Portrait of Prof. John Wesley Judd, C.B., LL.D., F.R.S., F.G.S.	385
XXII. Westerly Chalk Bluff at Trimmingham	400
XXIII. Ordovician Brachiopoda from Haverfordwest	453
XXIV. Lamellibranchs from Haverfordwest	500
XXV. <i>Diplodocus Carnegiei</i> , Jurassic, Wyoming	529

LIST OF ILLUSTRATIONS IN THE TEXT.

	PAGE
Shell of <i>Nicoria headonensis</i> , Hooley, sp. nov.	67
Map of Lightning Creek	105
Ideal Section of Lightning Creek	106
<i>Orthoceras</i> cf. <i>commutatum</i> , C. G. Giebel	156
<i>Agoniatites</i> , sp.	159
Diagrammatic projection of "Cullinan" Diamond	170
Block of Granite showing cavity on south and weather side	190
Cavity in a block of very coarse Granite	191
<i>Hypsilophodon</i>	206
<i>Lepidodendron</i> sp. from Dudley	209
Area of the Camborne Earth-shake	221
Area of the Barnsley Earth-shake	223
Diagram of wedge of Mosbach Sands and Gravel	229
Dorsal vertebra of <i>Polacanthus</i> , posterior view	244
Dorsal vertebra of <i>Struthiosaurus</i> , posterior view	244
Proximal caudal of <i>Polacanthus</i> , posterior view	245
Middle caudal of <i>Polacanthus</i> , anterior view	245
Two of the posterior caudals of <i>Polacanthus</i> , side view	246
Pair of dermal caudal plates of <i>Polacanthus</i> , side view	248
Anterior dorsal dermal spine of <i>Polacanthus</i> , interior (median) view	249
Posterior view of a pair of anterior dorsal dermal spines of <i>Polacanthus</i>	250
Pygidium of <i>Drepanura Premesnili</i> , Bergeron	253
<i>Olenoides Richthofeni</i> ? (Monke), sp.	254
Folding Table of Branching <i>Stomatopora</i>	261
Diagram to show method of branching in <i>Stomatopora</i>	267
<i>Membranipora Lacroixi</i> (V. Audouin)	304
<i>Neptunus Arabicus</i> , H. Woodw., sp. nov.	306
Fossil <i>Balanus</i> from the Mekran Coast	310
Map of Coastal Plateau in George and Knysna	371
Section from the Zwartebergen to Prince Albert Goldfields	378
Section showing position of 'Soapstone Bed'	434

	PAGE
<i>Anthropalæmon serratus</i> , H. Woodw., sp. nov., and <i>A. Woodwardi</i> , R. Etheridge, jun.	439
<i>Euphoberia Brownii</i> , H. Woodw.	441
<i>Xylobius moniliformis</i> , H. Woodw.	443
Impression and counterpart of <i>Cyclus Johnsoni</i>	491
Five examples of the 'Protaspis' stage of some Trilobites	492
Teeth of <i>Arvicola (Tyrhenicola) Henseli</i>	505
Head of <i>Ichthyosaurus</i> from Lyme Regis	513
Restored figures of Silurian Scorpion from Scotland and Gothland	515
<i>Torlessia Mackayi</i> and <i>Dentalium Huttoni</i>	537
Biotite Crystals in fossiliferous felsitic rock	545
Felspars in felsitic slate	547
Remarkable bone from the Suffolk Crag	575



H. T. Blanford