

THE
GEOLOGICAL MAGAZINE.

NEW SERIES.

DECADE IV. VOL. VII.

JANUARY — DECEMBER, 1900.

THE
GEOLOGICAL MAGAZINE

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

“THE GEOLOGIST.”

NOS. CCCCXXVII TO CCCCXXXVIII.

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;

PRESIDENT OF THE PALÆONTOGRAPHICAL SOCIETY,

VICE-PRESIDENT OF THE ZOOLOGICAL AND MALACOLOGICAL SOCIETIES;

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

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

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., F.G.S., &c.

NEW SERIES. DECADE IV. VOL. VII.

JANUARY—DECEMBER, 1900.

LONDON:

MESSRS. DULAU & CO., 37, SOHO SQUARE.
1900.

HERTFORD :
PRINTED BY STEPHEN AUSTIN AND SONS.

LIST OF PLATES.

PLATE	FACING PAGE
I. <i>Podocnemis aegyptiaca</i> , sp. nov., Lower Miocene, Egypt	1
II. Tertiary Foraminifera from Egypt	3
III. Rev. Osmond Fisher, M.A., F.G.S.	49
IV. <i>Gallinuloides Wyomingensis</i> , gen. et sp. nov.	54
V. Foraminifera	97
VI. <i>Pleuromutilus? scarlettensis</i> , sp. nov.	105
VII. Fossils from the Devonian Rocks of Cornwall	145
VIII. <i>Edrioaster Buchianus</i>	193
IX. <i>Edrioaster Buchianus</i>	194
X. <i>Edrioaster Buchianus</i>	196
XI. Map of the River System of North Wales	241
XII. Salter's Undescribed Trilobites (Part I)	303
XIII. Tertiary Foraminiferal Limestones from Sinai	367
XIV. Eocene Foraminifera from Sinai	370
XV. Decapod Crustaceans from Vancouver Island	392
XVI. Decapod Crustaceans from Comox and Hornby Island	400
XVII. Cretaceous Crustacea from Canada	433
XVIII. Restoration of <i>Stylonurus Lacoanus</i> (Claypole)	481
XIX. <i>Hyperodapedon Gordoni</i> , Huxley	486
XX. Pleistocene Shells from the Red Sea	544
XXI. Pleistocene Shells from the Red Sea	552
XXII. Pleistocene Shells from the Red Sea	560

LIST OF ILLUSTRATIONS IN THE TEXT.

	PAGE
Sandstone Pipe in Carboniferous Limestone, Dwlban Point, Anglesey	21
Diagram Section at Dwlban Point	22
Large Pipe in Inland Cliff	22
Profile of Glaciated Pit	24
Deflected Glacial Striæ, Dwlban Point, Anglesey	24
<i>Mesodromilites Birleyæ</i> , H. Woodward, gen. et sp. nov.	62
Restored outline of <i>Lanarkia spinosa</i> , Traquair	67
Restored outline of <i>Birkenia elegans</i> , Traquair	69
Restored outline of <i>Lasanius problematicus</i> , Traquair	69
Restored outline of <i>Drepanaspis Gmundenensis</i> , Schlüter	70
Suture-line of <i>Gephyroceras affine</i>	93
Suture-line of <i>Gephyroceras calculiforme</i>	93
Suture-line of <i>Gephyroceras æquabile</i>	93
Suture-line of <i>Gephyroceras serratum</i>	93
Diagram of Somerset Earthquakes, Dec. 30-31, 1893	110
Map of part of Moel Tryfaen	115
Section showing Contortions in Sands below Boulder-clay	117
Junction of Boulder-clay and Sandy Beds	118
North-west termination of Boulder-clay in Section	119
Sections showing position of Foraminiferal Beds	121, 122
Diagram at north-east side of Alexandra Quarry	123
Restored outline of <i>Drepanaspis Gmundenensis</i> , Schlüter	154
Sketch of Carapace of <i>Drepanaspis Gmundenensis</i> , Schlüter	155
Restored outline of <i>Drepanaspis Gmundenensis</i> , Schlüter	156
Group of Dykes in Mynydd Llwydiarth	162
Upward Termination of Dyke at Cadnant	163
Section through Dyke near Careg Onen	163
Diagram of Cornwall Earthquake, Aug. 27, 1895	165
Diagram of Cornwall Earthquake, Jan. 26, 1896	166
Diagram of Rutland Earthquake, Jan. 28, 1898	169

	PAGE
Diagram of Comrie Earthquake, Aug. 22, 1898	171
Diagrams illustrating Mr. Bather's paper on Edrioasteroidea 195, 196, 197, 198, 200	195, 196, 197, 198, 200
Map of Bala Lake and the Neighbourhood	205
Sections of Bala Lake	206
Geological Map of the Valley of the Bala Fault	210
Diagram of the Bala Faults	212
Sketch-map of the Topography of the Valley of the Bala Fault	213
Diagram to illustrate Mr. Seymour's paper	258
<i>Rhadinichthys monensis</i> , Egerton	262
<i>Plesiochelys vectensis</i> , Hooley, sp. nov.	264
Geology of Snowdon, Section	269
Diagrams of Composition of Igneous Rocks	273, 274
<i>Bythocypris Jurassica</i> , sp. nov., and <i>Bairdia Nusseldorfensis</i> , sp. nov.	326
Bad Nauheim	350
Geological Sketch-map of Country around Bad Nauheim	351
Ground-plan of Bad Nauheim	356
Geological Diagrams of Bad Nauheim	360, 361
Diagrammatic Section through the Bad Nauheim District	365
Outlines of the Skull of <i>Hyperodapedon Gordoni</i>	489
Skin from the posterior abdominal region of <i>Rhynchosaurus articeps</i>	532
Sections of Coal and Clay-slate	539, 540, 541
Greywether or Sarsen-stone from the Gravel	543
Diagram and Sketch-map of Felstone Dyke on Llechog	576