

THE
GEOLOGICAL MAGAZINE:

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

“THE GEOLOGIST.”

GEOLOGY DEPT. TO CCCVI.

BIRKBECK COLLEGE. E.C.4
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 PALAEONTOGRAPHICAL 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, HALIFAX, LIVERPOOL, 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

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

OF THE BRITISH MUSEUM OF NATURAL HISTORY.

WILFRID H. HUDLESTON, M.A., F.R.S., Sec.G.S.

AND

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

NEW SERIES. DECADE III. VOL. VI.

JANUARY—DECEMBER, 1889.

LONDON:

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

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

1889.

HERTFORD:

PRINTED BY STEPHEN AUSTIN AND SONS.

THE
GEOLOGICAL MAGAZINE.

NEW SERIES.

DECADE III. VOL. VI.

JANUARY — DECEMBER 1889.

LIST OF PLATES.

PLATE	PAGE
I. <i>Homosteus</i> and <i>Cocosteus</i>	I
II. <i>Dipterus macropterus</i> , Traquair	97
III. Geological Sections to illustrate Mr. Lapworth's paper	60
IV. Skeleton of <i>Brontops robustus</i> , Marsh	100
V. Mammalian Remains from the "Forest-bed Series"	145
VI. Figs. 1 to 7, Fossil Isopods, to illustrate Mr. Carter's paper	
Figs. 8 to 11, Sections of Jurassic Pisolite, to illustrate Mr. Wethered's paper	193
VII. <i>Histonotus angularis</i> , Egerton	241
VIII. Geological Section of the Dentes de Morcles, by Prof. E. Renevier	250
IX. British Jurassic Gasteropoda	296
X. Lias Fossils, Leicestershire	337
XI. Devonian Entomostraca	385
XII. <i>Phillipsastræa radiata</i> , S. Woodw. sp.	400
XIII. Forms of Proboscidian Molars	440
XIV. Amygdaloids of the Tynemouth Dyke	481
XV. Locke's Magnetic Sections	535
XVI. Map of the Himalaya	535
XVII. Tectonic Map of Japan with Dr. Knott's Magnetic Curves	535
XVIII. Comparative Diagram of Mr. Sekino's and Knott's Magnetic Curves	535
XIX. Magnetic Tectonic Chart of Japan, by Dr. E. Naumann	535