

GEOLOGY DEPARTMENT,
BIRKBECK COLLEGE, E.C. 4.

THE
GEOLOGICAL MAGAZINE:

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

“THE GEOLOGIST.”

NOS. CCLIX. TO CCLXX.

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 PALÆONTOGRAPHICAL 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

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., F.G.S.

AND

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

NEW SERIES. DECADE III. VOL. III.

JANUARY—DECEMBER, 1886.

LONDON:

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

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

1886.

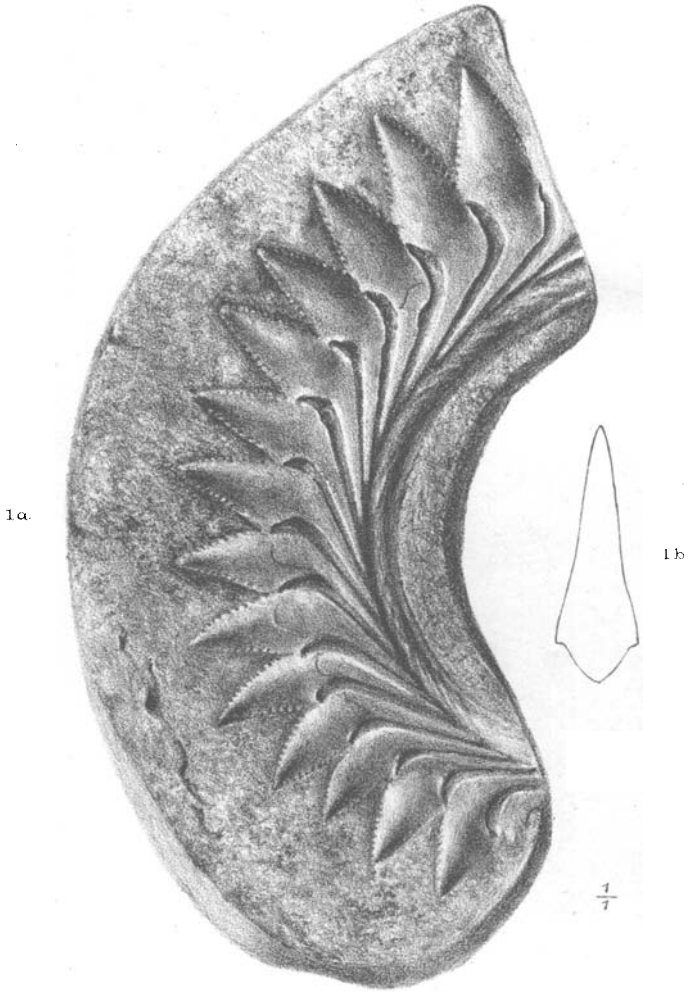
LIST OF WOODCUTS.

| | PAGE |
|---|------|
| Part of spine of <i>Edestus Heinrichsii</i> ? | 3 |
| Pectoral spine of <i>Aspredo levis</i> | 5 |
| ,, ,, <i>Doras</i> , sp. | 5 |
| ,, ,, <i>Pelecopterus</i> , sp. | 5 |
| Dorsal spine of <i>Hybodus</i> | 5 |
| <i>Didymograptus vacillans</i> , Tullberg | 13 |
| <i>Dicellograptus Forchhammeri</i> , Geinitz | 13 |
| <i>Dicranograptus ramosus</i> , Hall | 13 |
| <i>Pterograptus dilaceratus</i> , sp. nov. | 17 |
| <i>Tetragraptus approximatus</i> , Nich. | 17 |
| <i>Nichograptus Sedgwickii</i> , Salter | 17 |
| ,, <i>octobrachiatus</i> , Hall | 22 |
| ,, <i>Kjerulfi</i> , Herrmann | 23 |
| <i>Monograptus multiplex</i> , Nich. | 25 |
| Diagram, Talus of Cliff | 65 |
| Palatal Teeth of Carboniferous Fishes | 150 |
| Reproductive organ of <i>Williamsonia Morieri</i> , Sap. | 197 |
| ,, ,, <i>Goniolina</i> , after Sap. and Marion | 200 |
| Sections of Igneous Rocks of Stanner | 221 |
| Pitchstone Vein at Chiaja di Luna, Island of Ponza | 246 |
| Tooth of <i>Notidanus gigas</i> , Sismonda | 255 |
| ,, ,, <i>Meneghinii</i> , Lawley | 256 |
| ,, <i>Morosaurus</i> | 274 |
| ,, <i>Seelidosaurus</i> | 274 |
| ,, <i>Hadrosaurus</i> | 274 |
| ,, <i>Iguanodon Prestwichi</i> | 275 |
| ,, <i>Craspedodon lonzeensis</i> | 276 |
| Section through North America | 287 |
| Section near Honiton, Devonshire | 311 |
| Epiphyton ? <i>explanatum</i> , Hicks, and <i>Hyalonema mirabile</i> , Gray | 338 |
| <i>Loxosmia elongata</i> , Duncan | 341 |
| <i>Latopsalis pollux</i> | 414 |
| <i>Stilodus mediævus</i> | 414 |
| <i>Stethonyx Burnmeisteri</i> | 415 |
| <i>Styopsodus vicarius</i> | 416 |

| | PAGE |
|---|------|
| <i>Anaptomorphus homunculus</i> | 416 |
| „ <i>emulus</i> | 417 |
| Diagram of <i>Troostocrinus Reinwardi</i> | 421 |
| Diagram showing arrangement of Basals in <i>Platyerinus</i> | 422 |
| „ to show the position of the ridges of <i>Stephanocrinus angulatus</i> | 423 |
| Skeleton of <i>Iguanodon Bernissartensis</i> , Boulanger | 429 |
| <i>Periptychus rhabdodon</i> | 467 |
| Brain of <i>Phenacodus primævus</i> | 468 |
| Skull of <i>Coryphodon elephantopus</i> | 470 |
| <i>Loxolophodon cornutus</i> | 472 |
| Striated Pebble from the Salt Range | 493 |
| <i>Peratherium fugax</i> | 513 |
| <i>Enhydrocyon stenocephalus</i> | 517 |
| <i>Nimravus gomphodus</i> | 518 |
| <i>Pogonodon platycopsis</i> | 519 |
| Section at New Entrance to Cae Gwyn Cave | 569 |
| Section in Cae Gwyn Cave, near New Entrance | 570 |
| Section in Cae Gwyn Cave, about 16 ft. from New Entrance | 570 |

LIST OF PLATES.

| | PAGE |
|--|------|
| I. <i>Edestus Davisii</i> , H. Woodw. | 1 |
| II. Skeleton of <i>Phenacodus primævus</i> , Cope | 49 |
| III. Recent and Fossil Hippopotami | 114 |
| IV. Fossil Ostracoda from Colorado | 145 |
| V. Monocotyledonous Fruit ? | 193 |
| VI. Fossil Notidanidæ | 208 |
| VII. Carboniferous Ostracoda | 248 |
| VIII. <i>Desmidopora alveolaris</i> , Nicholson | 289 |
| IX. <i>Calamites Beanii</i> , Bunbury | 342 |
| X. Inferior Oolite Madreporaria | 385 |
| XI. Carboniferous Ostracoda | 433 |
| XII. Carboniferous Ostracoda | 433 |
| XIII. Augen-Gabbro, Karakclews, Lizard, Cornwall | 481 |
| XIV. Organisms in Carboniferous Shales, Forest of Dean | 529 |
| XV. Ditto ditto ditto | 528 |



E. C. Woodward del. et lith.

West, Newman & Co. imp.

Edestus Davisi, H. Woodv.
Carboniferous: Western Australia.