

TABLE OF CONTENTS.

1891.

	PAGE.
On the present state of our knowledge of the Yorkshire Calamitæ. By Thomas Hick, B.A., B.Sc., &c.	1
The mode of deposition and properties of the Carboniferous strata of Leeds and its immediate suburbs. By Benj. Holgate, F.G.S. ..	9
On the Underground Waters of Lincolnshire. By C. E. De Rance, A.I.C.E., F.G.S., &c.	22
Notes on some new or but little known Eocene Polyzoa from Localities. By G. R. Vine	52
The Hybodont and Cestraciant Sharks of the Cretaceous Period. (Plates i. and ii). By A. Smith Woodward, F.G.S. ..	62
Evidence of Glacial action near Leeds. By James E. Bedford, F.G.S. ...	69
On a Permian Conglomerate Bed at Markington. By Rev. J. Stanley Tute, B.A.	72
British Palæozoic Ctenostomatous Polyzoa. (Plates iii. and iv). By George Robert Vine	74
Study of 'Intense' Rainfall at Leeds, July 19th, 1891. By R. Reynolds, F.C.S.	94
On the Affinity of Dadoxylon to Cordaites. By James Spencer ...	95
Exploration of the Elbolton Cave. By Rev. E. Jones	105
Secretary's Report and Treasurer's Balance Sheet	108
Minutes of Meetings	113
Bibliography, 1889-1890	119
List of Members	123
Meteorology of Bradford for 1891. By J. McLandsborough, F.G.S., and A. E. Preston, F.G.S.	131

IV.

CONTENTS.

1892.

	PAGE.
On the Geology of the Country between Grassington and Wensleydale. By J. R. Dakyns, F.G.S., of H.M. Geological Survey	133
The Flamborough Drainage Sections. By G. W. Lamplugh, F.G.S., of H.M. Geological Survey	145
Fossil Polyzoa: further additions to the Cretaceous List. By Geo. R. Vine	149
The Volcanoes of Iceland. By Tempest Anderson, M.D. ..	162
On some Sections in the Liassic and Oolitic Rocks of Yorkshire. By James W. Davis, F.G.S.	170
An Account of the Opening of the Tumulus, Howe Hill, Duggleby. By J. R. Mortimer	215
On the Crania and other Human Remains found in the Barrow at Howe Hill, Duggleby. By J. G. Garson, M.D.	227
Examination of the bones of animals found in the tumulus. By E. T. Newton, F.G.S.	241
Further Observations on the Howe Tumulus. By J. R. Mortimer ..	242
On some singular nodules in the Magnesian Limestone. By Rev. J. Stanley Tute, B.A.	245
The occurrence of the Tooth of a Mastodon in the Glacial Drift. By Rev. J. Stanley Tute, B.A.	246
Notes on the Polyzoa, Stomatopora, and Proboscina groups from the Cornbrash of Thrapston, Northamptonshire. By G. R. Vine ...	247
Record of a Remarkable Shooting Star, April 2nd, 1892. By R. Reynolds, F.I.C.	259
Secretary's Report and Treasurer's Balance Sheet	262
List of Members	267
Meteorology of Bradford for 1892. By J. McLandsborough, F.G.S., and A. E. Preston, F.G.S.	274

1893.

On Calamostachys Binneyana, Schimp. By Thos. Hick, B.A., B.Sc., A.L.S.	279
A Sketch of the Geology of Nidderdale and the Washburn north of Blubberhouses. By J. R. Dakyns, M.A.	294
Glacial Phenomena of Wharfedale, between Bolton Abbey and Kettle- well. By J. R. Dakyns, M.A.	299
The Glaciation of Yorkshire. By Percy F. Kendall, F.G.S.	306
James William Davis. By William Cash, F.G.S.	319
Thomas William Embleton. By R. Reynolds, F.C.S.	335
Treasurer's Statement	340
List of Members	341
Meteorology of Bradford for 1893. By J. McLandsborough, F.G.S., and A. E. Preston, F.G.S.	346

CONTENTS.

v.

1894.

	PAGE.
The Mineral Waters of Askern. By C. H. Bothamley, F.I.C., F.C.S. ...	347
The Effect of Faults on the character of the Seashore. By Theo. T. Groom, F.G.S.	361
On the Geology of Calderdale. By James Spencer	369
Upper Wharfedale Exploration Committee; First Annual Report (1893). By E. E. Speight, B.A.	374
The Microscopic Structure of the Zones of the Chalk. By A. J. Jukes-Browne, B.A., F.G.S.	385
Some Sections in the Hesse Gravels. By F. Fielder Walton, F.G.S. ..	396
Notes on the Strata and Deposition of the Millstone Grits. By William Simpson, F.G.S.	407
Notes on Field Excursion for the Examination of the Coast between Bridlington und Filey. By W. Lower Carter, M.A., F.G.S. ..	421
Notes on the Coast between Bridlington and Filey. By G. W. Lamplugh, F.G.S.	424
Some Notes on the Yorkshire Coalfield and its Eastwardly Extension. By Prof. Arnold Lupton, F.G.S., M.I.C.E.	432
The Occurrence of Limestone Conglomerates on the North side of the Craven Faults. By R. H. Tiddeman, M.A., F.G.S., of H.M. Geological Survey	437
Field Excursion to Broad Lane Junction, Bradford	441
Description of Photograph of Boulder Clay Cliffs, Carr Naze, Filey. By Rev. E. Maule Cole, M.A., F.G.S.	442
Secretary's Report, 1893-94	447
Records of Meetings	450
Treasurer's Financial Statement	466
List of Members	468
Meteorology of Bradford for 1894. By J. McLandsborough, F.G.S., and A. E. Preston, F.G.S.	474



LIST OF PLATES.

	PAGE.
I. Hybodus Basanus	68
II. Hybodus, Synechodus, and Cestracion	68
III. } Palæozoic Ctenostomatous Polyzoa...	92
IV. }	
V. Ground Plan of Flamborough	148
VI. Fossil Polyzoa	160
VII. Ground Plan of Duggleby Tumulus	224
VIII. Vertical Section of do.	224
IX. } Finds in Duggleby Tumulus	224
X. }	
XI. }	
XII. } Polyzoa from the Cornbrash of Thrapston	258
XIII. }	
XIV. } Calamostachys Binneyana (Schimp)	292
XV. }	
XVI. Map of the York Moraines	310
XVII. Portrait of Mr. James W. Davis, F.G.S., F.L.S., F.S.A.	319
XVIII. Maps of the Seashore near Westward Ho	368
XIX. } Photographs of do. do.	368
XX. }	
XXI. General Section of the Strata of Calderdale	373
XXII. Chart of the Zones of the Chalk	395
XXIII. Plan and Section of Chalk and Gravels, near Hessle	406
XXIV. Chart of the Millstone Grit Beds	420
XXV. Geological Map of the Yorkshire and Derbyshire Coalfield	436
XXVI. Sections across do. do. do.	436