

## CONTENTS—1878.

	PAGE.
Address. By Lord Houghton, D.C.L., F.R.S., &c., &c., Vice-President	1
“On a New Method of Studying the Optical Characters of Minerals.” By H. C. Sorby, F.R.S., Pres.G.S. &c. ... ..	5
“The Geological History of East Yorkshire.” By the Rev. J. F. Blake, M.A., F.G.S. ... ..	15
“On the Red Chalk.” By the Rev. E. Maule Cole, M.A., &c.	30
“On the Occurrence of certain Fish-remains in the Coal-measures, and the Evidence they afford of Fresh Water Origin.” By James W. Davis, F.G.S., L.S. .. ..	40
“On the Physical Geography of the German Ocean.” By James W. Woodall, J.P. ( <i>Publication deferred.</i> )	
“On the History and Objects of the Society, especially with reference to the History of Selby and the Geology of Selby and the Dis- trict.” By J. T. Atkinson, F.G.S. ... ..	52
“On the Southward Flow of Shap Granite Boulders.” By J. R. Dakyns, M.A., of H.M. Geological Survey ... ..	60
“On the Triassic Boulder, Pebble and Clay Beds at Sutton Coldfield, near Birmingham,” By J. Edmund Clark, B.A., B. Sc., F.G.S.	66
“A Contribution to the Flora of the Lower Coal-measures of the Parish of Halifax, Yorkshire,” By Wm. Cash, F.G.S., and Thos. Hick, B.A., B.Sc., &c. ... ..	73
“On an Orthoceras of the Millstone Grit.” By the Rev. J. Stanley Tute, B.A. ... ..	82
Goredale Scar ( <i>Photograph</i> ). By the Editor ... ..	83
Annual Report ... ..	85
Minutes and Balance Sheet ... ..	88
Summary of Geological Literature, 1876 and 1877 ... ..	97
List of Members ... ..	100

## 1879.

Address. By Walter Morrison, J.P. ... ..	107
“On a Section at the Barrow Collieries, Worstro’ By A. R. Kell ... ..	111
“On Fossil Fungi from the Lower Coal-measures of Halifax.” By W. Cash, F.G.S., and Thos. Hick, B.A., B.Sc. (Lond.) ... ..	115
“Notes on Traquaria.” By W. Cash, F.G.S., and T. Hick, B.A., B.Sc.	122
“Glacial Beds at Bridlington.” By J. R. Dakyns, M.A. of H.M., Geol. Survey ... ..	123
“On the Origin and Formation of the Wold Dales.” By the Rev. E. Maule Cole, M.A., &c. ... ..	128

“On the Source of the Erratic Boulders in the Valley of the River Calder, in Yorkshire.” By James W. Davis, F.S.A., F.G.S., &c.	141
“The Trias of the Southern Part of the Vale of York.” By H. Franklin Parsons, M.D., F.G.S., &c.	154
“Some Account of the Fossil Plants found at the Darfield Quarries, near Barnsley.” By Stephen Seal, F.G.S.	162
“On the Divisions of the Glacial Beds in Filey Bay.” By G. W. Lamplugh	167
“On the Source of the River Aire.” By Thos. Tate, F.G.S.	177
“Notes on an Intermittent Spring at Malham.” By T. Tate, F.G.S.	186
“Notes on the Midland Coal Field.” By Arnold Lupton, Mee. Inst., C.E., F.G.S.	187
“On <i>Ostracanthus dilatus</i> (Gen. n. sp. nov.), a Fossil Fish from the Coal-measures South of Halifax, Yorkshire.” By James W. Davis, F.G.S.	191
“Plumpton Rocks.” ( <i>Photograph</i> ) By the Editor	196
Annual Report	198
Minutes and Balance Sheet	201
Summary of Geological Literature, 1877, 1878	212
List of Members	214

1880.

Address. By the Marquis of Ripon, K.G., &c. President	221
“On the Distribution of Fossil Fishes in the Yorkshire Coal Fields.” By James W. Davis, F.S.A., F.G.S., &c.	228
“On a Fault in the Chalk of Flambro’ Head, with some Notes on the Drift of the Locality.” By G. W. Lamplugh	242
“On Glacial Deposits North of Bridlington.” By J. R. Dakyns, M.A., H.M. Geological Survey	246
“On the Age of the Penine Chain.” By E. Wilson, F.G.S. ( <i>References</i> )	252
“On a Short History of the Creswell Caves.” By the Rev. J. Magens Mello, M.A., F.G.S., &c.	252
“On a Group of Erratic Boulders, at Norber, near Clapham in Yorkshire.” By James W. Davis	266
“On the Junction of the Permian and Coal Measures, at Conisborough.” By Rowland Gaseigne, F.G.S. ( <i>References.</i> )	274
“On a Chemical Method of Distinguishing Black Obsidian from Black Blast Furnace Slag.” By W. H. Wood, F.C.S.	274
“On Traces of Ancestral Relations in the Structure of the Asteroidea” By W. Percy Sladen, F.L.S., F.G.S.	275
“On the Geology of the District around Middlesborough.” By W. Y. Veitch. ( <i>Abstract.</i> )	284
“Notes on the Geology of the Cleveland District.” By Thos. Allison	285
“On Some Bones of <i>Ctenodus</i> .” By Prof. L. C. Miall	289

## CONTENTS.

ix

Report of the Raygill Fissure Exploration Committee, consisting of Prof. A. H. Green, M.A., F.G.S.; Prof. L. C. Miall, F.G.S.; John Brigg, F.G.S.; and James W. Davis, F.S.A., F.G.S., &c., (Reporter.)	300
Secretary's Report	307
Minutes and Balance Sheet	310
Summary of Geological Literature, 1878, 1879, and 1880	219
List of Members	324

## 1881.

"Notes on the Carboniferous Polyzoa of North Yorkshire." By George Robert Vine.	329
"On Subsidences over the Permian Boundary between Hartlepool and Ripon." By A. G. Cameron, of H.M. Geological Survey of England and Wales	342
"A Preliminary Account of the Working of Dowkerbottom Cave, in Craven, during August and September, 1881." By Edward B. Poulton, M.A., F.G.S., of Jesus and Keble Colleges, Oxford	351
"Vestiges of the Ancient Forest on part of the Penine Chain." By Joseph Lucas, F.G.S.	368
"On the Sections of the Drift obtained by the New Drainage Works, at Driffield." By J. R. Mortimer	373
"On Flots." By J. R. Dakyns, M.A., of H.M. Geological Survey of England and Wales	381
"On Glacial Sections near Bridlington." By G. W. Lamplugh	383
"On Some Sections in the Lower Palæozoic Rocks of the Craven District." By J. E. Marr, B.A., F.G.S.	397
"A Contribution to the Flora of the Lower Coal Measures of the Parish of Halifax, pt. III." By Thos. Hick, B.A., B.Sc., (Lond.) and W. Cash, F.G.S.	400
"On Certain Discoveries of Bronze Implements in the Neighbourhood of Leeds." By John Holmes	405
"On the Blowing Wells near Northallerton." By T. Fairley, F.R.S.E.	409
"On Glacial Sections at York, and their Relation to Later Deposits." By J. Edmund Clark, B.A., B.Sc., &c.	421
"On Astromyelon and its Affinities." By James Spencer.	439
"On a Discovery of Fossil Fishes in the New Red Sandstone of Nottingham." By Ed. Wilson, F.G.S. ( <i>Reference.</i> )	444
Secretary's Report	445
Minutes and Balance Sheet	448
Summary of Geological Literature	453
List of Members	455