

TABLE OF CONTENTS.

	PAGE
The Underground Waters of North-West Yorkshire. Part I. The Sources of the Aire	1
I. Introduction. By J. H. Howarth, F.G.S.	1
II. Engineering Report. By C. W. Fennell, F.G.S., and J. A. Bean, C.E.	11
III. Report of the Chemical Sub-Committee. By F. W. Branson, F.I.C., and W. Ackroyd, F.I.C.	13
IV. Report of the Geological Sub-Committee. By P. F. Kendall, F.G.S., J. H. Howarth, F.G.S., and W. Lower Carter, M.A., F.G.S.	22
Appendix. Malham Tarn Flushes and Malham Cove. By Percy F. Kendall, F.G.S.	38
The Composition of some Malham Waters. By B. A. Burrell, F.I.C. ...	45
A Peat Deposit at Stokesley. By the Rev. John Hawell, M.A., F.G.S. ...	49
On the Genus <i>Megalichthys</i> , Agassiz. Its History, Systematic Position, and Structure. By Edgar D. Wellburn, L.R.C.P. and S.E., F.R.I.P.H., F.G.S.	52
Contributions to a History of the Mesozoic Corals of the County of York. By Robert F. Tomes, F.G.S.	72
Notes on the History of the Driffield Museum of Antiquities and Geological Specimens. By J. R. Mortimer.	88
In Memoriam. Richard Reynolds, F.C.S. By Professor L. C. Miall, F.R.S.	97
Secretary's Report	99
Treasurer's Statement	109
Records of Meetings	110

Ingleborough. Part I. Physical Geography. By Professor T. McK. Hughes, M.A., F.R.S., F.G.S.	125
The Glacial Geology of Bradford, and the Evidence obtained from Recent Excavations of a Limestone Track on the South Side of the Valley. By James Monckman, D.Se.	151
On the Fish Fauna of the Yorkshire Coal Measures. By Edgar D. Wellburn, L.R.C.P., F.G.S.	159
On the Occurrence of Fish Remains in the Limestone Shales (Yoredale) of Crimsworth Dean (Horsebridge Clough), near Hebden Bridge, in the West Riding of Yorkshire. By Edgar D. Wellburn, F.G.S. ...	175
Notes on the Geology of Clitheroe and Pendle Hill. By R. H. Tiddeman, M.A., F.G.S., of H.M. Geological Survey	178

TABLE OF CONTENTS

iii.

	PAGE
Notes on the Volcanic Rocks of the Cheviot Hills. By Herbert Kynaston, B.A., F.G.S., of the Geological Survey of Scotland ...	183
The Flora of the Carboniferous Period. First Paper. By Robert Kidston, F.R.S.E., F.G.S.	189
Report on the Drift Deposits at Mytholmroyd. By Robert Law, F.G.S., and Wm. Simpson, F.G.S.	231
Notes on East Yorkshire Boulders. By John W. Stather, F.G.S. ...	237
Notes on Sections Exhibited during the Excavation of the Alexandra Dock Extension, Hull. By W. H. Crofts	245
Notes on the Occurrence of the Adwalton Stone Coal and the Halifax Hard Coal. By Theodore Ashley	253
In Memoriam. Walter Percy Sladen, F.L.S., F.G.S., F.Z.S. By William Cash, F.G.S.	261
Memoirs and Papers by the late Walter Percy Sladen, F.Z.S., F.L.S., F.G.S.	269
Secretary's Report	275
Treasurer's Statement	297
Records of Meetings	298
List of Members	316
.....	
Ingleborough. Part II. Stratigraphy. By Professor T. McK. Hughes, M.A., F.R.S., F.G.S.	323
The Flora of the Carboniferous Period. Second Paper. By Robert Kidston, F.R.S., F.R.S.E., F.G.S.	344
On the Circulation of Salt and its bearing on Geological Problems, more particularly on that of the Geological Age of the Earth. By William Ackroyd, F.I.C., F.C.S., Public Analyst for Halifax ...	401
On the Characters of the Carboniferous Rocks of the Pennine System. By Wheelton Hind, M.D., B.S., F.R.C.S.	422
On the Fish Fauna of the Pendleside Limestones. By Edgar D. Wellburn, L.R.C.P.E., F.R.I.P.H., F.G.S.	465
On the Genus <i>Cœlacanthus</i> , as found in the Yorkshire Coal Measures, with a Restoration of the Fish. By Edgar D. Wellburn, L.R.C.P.E., F.G.S.	474
A Striated Surface near Sandsend. By John W. Stather, F.G.S. ...	484
Notes on the Igneous Rocks of the English Lake District. By Alfred Harker, M.A., F.R.S., F.G.S.	487
List of the Principal Publications dealing with the Petrology of the English Lake District. By Alfred Harker, M.A., F.R.S., F.G.S. ...	494
Secretary's Report	497
Treasurer's Statement	512
Records of Meetings	513
List of Members	525

LIST OF PLATES.

	PAGE
I. Gaugings of Water at Malham Tarn, Malham Cove, and Aire Head	12
II. Diagram showing Chlorine at Malham Cove, and Rainfall at Malham Tarn	16
III. Smelt Mill Water Sink	18
IV. Diagram of Chlorine at Mire's Barn, and Rainfall at Malham Tarn	20
V. Malham Tarn Water Sink	22
VI. Limestone Clints, Broad Scar	24
VII. Grey Gill	26
VIII. Gordale	28
IX. Gordale Scar	30
X. Malham Cove	32
XI. Aire Head Spring	34
XII. Index Plan of Malham District and Section	38
XIII. to XVII. and XIX. } Drawings of <i>Megalichthys</i>	54 to 70
XVIII. <i>Strepsodus sulcidens</i>	86
XX. <i>Dimorphosmia eboracenses</i> and <i>Goniocaris Leckenbyi</i>	84
XXI. Richard Reynolds, F.C.S.	96
XXII. Ingleborough, from Ravenscar	134
XXIII. Thornton Force and Crummaek Dale	142
XXIV. Map of Bradford Basin	154
XXV. to XXXVII. } Photographs of Carboniferous Plants	205 to 231
XXXVIII. } Photographs of the Alexandra Dock Extension, Hull	246
XXXIX. } XL. to XLIII. Sections in the Alexandra Dock Extension, Hull... ..	248 to 251
XLIV. Plan of Hull Docks, showing Alexandra Dock Extension... ..	252
XLV. Plan of Outcrop of Adwalton Stone Coal	254
XLVI. Sections of Adwalton Stone Coal	256
XLVII. Plan showing Outcrop of Halifax Hard Coal	258
XLVIII. Section of Halifax Hard Coal	259
XLIX. Walter Percy Sladen	262
L. Austwick Beck Head, Crummaek Dale	338
LI. to LXV. Photographs of Carboniferous Plants	371 to 399
LXVI. Map of District Round Hebden Bridge	402
LXVII. Chlorine Curves near Halifax	404
LXVIII. Diagram of Seasonal Fluctuation of Chlorine in Nile	406
LXIX. Compound Solubility Curve	410