CONTENTS.

<table>
<thead>
<tr>
<th>Address by His Grace the DUKE OF ARGYLL</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr TAYLOR'S Obituary Notice of Professor Oswald Heer</td>
<td>28</td>
</tr>
<tr>
<td>Mr TAYLOR'S Obituary Notice of Joachim Barrande</td>
<td>29</td>
</tr>
<tr>
<td>Mr WM. MORRISON on Albertite</td>
<td>34</td>
</tr>
<tr>
<td>Mr D. CAMERON on Submergence of Scotland</td>
<td>41</td>
</tr>
<tr>
<td>Mr TAYLOR on Lacustrine Deposit at Holyrood</td>
<td>44</td>
</tr>
<tr>
<td>Mr G. H. KINNAR on Laurentian Rocks and Metamorphism</td>
<td>49</td>
</tr>
<tr>
<td>Messrs KINNEAR and ANDERSON'S Exhibition of Ardross Crustacea</td>
<td>53</td>
</tr>
<tr>
<td>Mr MILNE HOME on Boulder exposed at Palmerston Place</td>
<td>54</td>
</tr>
<tr>
<td>Mr RALPH RICHARDSON on the Tay Terraces</td>
<td>56</td>
</tr>
<tr>
<td>Mr JOHN HENDERSON on Suburban Railway Sections</td>
<td>71</td>
</tr>
<tr>
<td>Mr ALEX. SOMERVAIL on Absence of Glacial Phenomena in Cornwall</td>
<td>83</td>
</tr>
<tr>
<td>Mr H. M. CADELL on Stassfurt Salt Deposits</td>
<td>92</td>
</tr>
<tr>
<td>Mr TAYLOR on Section at Marchmont Road</td>
<td>104</td>
</tr>
<tr>
<td>Mr IVISON MACADAM on Chemical Composition of Butyrellite</td>
<td>106</td>
</tr>
<tr>
<td>Sir WM. DAWSON on Canadian and Scottish Geology</td>
<td>112</td>
</tr>
<tr>
<td>Mr IVISON MACADAM on Fifty Years' Work of the Society</td>
<td>123</td>
</tr>
<tr>
<td>Professor JAMES GEIKIE on Ice Age in Europe and North America</td>
<td>144</td>
</tr>
<tr>
<td>Excursions, &amp;c.</td>
<td>169</td>
</tr>
<tr>
<td>Inaugural Address by the PRESIDENT</td>
<td>171</td>
</tr>
<tr>
<td>Mr RALPH RICHARDSON'S Report on the Montreal Meeting</td>
<td>181</td>
</tr>
<tr>
<td>Prof. LINDSTROM'S Notice of a Silurian Scorpion (Plate III.)</td>
<td>184</td>
</tr>
<tr>
<td>Dr HUNTER'S Notes on a new Fossil Scorpion (Plate IV.)</td>
<td>187</td>
</tr>
<tr>
<td>Mr FERGUSON'S Notes of Iron Ore Deposits in Aberdeen and Banff</td>
<td>192</td>
</tr>
<tr>
<td>Mr JOHN REID on the Origin of Granitic Rocks</td>
<td>199</td>
</tr>
<tr>
<td>Mr RALPH RICHARDSON on Canadian and Scottish Glacial Geology</td>
<td>205</td>
</tr>
<tr>
<td>Mr RALPH RICHARDSON on the &quot;Gled Stane&quot; near Pitlochry</td>
<td>213</td>
</tr>
<tr>
<td>Mr W. TAIT KINNEAR on Scorpion Remains in Fife</td>
<td>216</td>
</tr>
<tr>
<td>Mr KINNAH on American Lake Terraces and Roads of Glenroy</td>
<td>221</td>
</tr>
<tr>
<td>Mr T. D. WALLACE on the Geology of Kirkhill</td>
<td>224</td>
</tr>
<tr>
<td>Mr W. MORRISON on the Pre-Cambrian Conglomerate of Lewis</td>
<td>235</td>
</tr>
<tr>
<td>Mr RALPH RICHARDSON'S Closing Address</td>
<td>243</td>
</tr>
<tr>
<td>Mr RALPH RICHARDSON'S Inaugural Address (Session 1885-1886)</td>
<td>249</td>
</tr>
<tr>
<td>Mr JAMES MELVIN on the Parallel Roads of Lochaber (Plates V. and VI.)</td>
<td>268</td>
</tr>
<tr>
<td>Mr W. MORRISON on the Terraces at Achnasheen, Ross-shire</td>
<td>275</td>
</tr>
<tr>
<td>Mr W. ANDERSON on a new Crustacean from Fife</td>
<td>280</td>
</tr>
<tr>
<td>Mr A. JOHNSTONE on the Action of Carbonic Acid Water on Minerals and Rocks</td>
<td>282</td>
</tr>
<tr>
<td>Dr H. RINK on Recent Explorations in Greenland</td>
<td>286</td>
</tr>
<tr>
<td>Mr JAMES SIMPSON on Reindeer Bones from the Pentland Hills (Plates VII. and VIII.)</td>
<td>294</td>
</tr>
<tr>
<td>Mr JOHN HENDERSON on Reindeer Remains from the Pentland Hills</td>
<td>302</td>
</tr>
<tr>
<td>Prof. MACADAM on Red Deer Horns from the Nith</td>
<td>305</td>
</tr>
<tr>
<td>Dr ROMANIS' Notes on Upper Burmah</td>
<td>306</td>
</tr>
<tr>
<td>Mr A. SOMERVAIL on the Archaean Gneiss of Ross and Sutherland</td>
<td>307</td>
</tr>
</tbody>
</table>
CONTENTS.

Mr W. ANDERSON on Fish Remains from Abden 310
Prof. MACADAM's Notice of new Fossiliferous Bed in Arran 316
Messrs GRANT WILSON, and MACADAM on Diatomaceous Deposits in Skye 318
Mr A. TAYLOR's Obituary Notice of C. W. Peach 327
Mr D. CAMERON's Observations on Easter Ross, &c. (Abstract) 330
Mr D. CAMERON on Fearn and Tarbat (Abstract) 330
Mr WM. MORRISON on a Minor Basin of the Old Red in Mid-Ross (Abstract) 331
Mr A. M'CHARLES on the Geology of the Winnipeg District, Manitoba (Abstract) 331
Inaugural Address by Mr RICHARDSON (Plate IX.) 335
Mr JOHN HENDERSON on Sands and Gravels at Musselburgh and Stockbridge (Plate X.) 350
Mr W. TAIT KINNEAR on the Genus *Fenestella* 355
Mr W. HAMILTON BELL on Exposures of Old Red Sandstone between Callander and Crieff 361
Mr T. WALLACE on Upper Stratherrick 366
Mr JAMES THOMSON on the Genus *Lithostrotion* (Plates XI., XII. and XIII.) 371
Dr BLACK on Brighton Beaches after Storms of October and December 1886 (Plate XIV.) 399
Mr JOHN HENDERSON on Sections in the Queen's Park (Plate XV.) 407
Mr W. R. M'DIARMID on a Boring at Dumfries 410
Mr A. JOHNSTONE on the Evolution and Classification of Igneous Rocks 412
Professor E. W. Claypole on the Lake Age in Ohio (Plates XVI., XVII., XVIII, and XIX.) 421
Mr W. R. M'DIARMID on Granite and Porphyry or Felstone 459
Mr JOHN YOUNG on a New Family of the Polyzoa 461
Mr W. TAIT KINNEAR on a New Crustaceaen from Ardross, Fife 467
Closing Address by Mr JAMES MELVIN on Hutton's Views of the Vegetable Soil or Mould, and Vegetable and Animal Life 468
Inaugural Address by the Vice-President 485
Mr ALEXANDER JOHNSTONE on the Macroscopic Determination of Igneous Rocks 488
Mr WM. MORRISON on a New Mineral Tar in Old Red Sandstone: Ross-shire 500
Mr RALPH RICHARDSON's Obituary Notice of Mr Henry Cadell of Grange 502
Mr WM. PENGELLY on Recent Researches in Bench Cavern, Brixham, Devon 507
Mr W. HAMILTON BELL on Geognosy of the Cruachan District 513
Mr JAMES MELVIN on the Parallel Roads or "Seter" of Norway 516
Mr GEORGE CRAIG on the Culbin Sandhills 524
Mr RALPH RICHARDSON's Obituary Notice of Dr Hayden 532
Prof. E. W. CLAYPOLE on the Eccentricity Theory of Glacial Cold versus the Facts 534
Joint Excursion of the Geological Societies of Edinburgh and Glasgow, on 30th June 1888 549