

Biographical notes on Geological Survey staff

BGS Archives GSM1/718

Miss E.M. Guppy



British
Geological
Survey

Selected Documents from the BGS Archives No. 2
TECHNICAL REPORT WO/00/04

Cover photograph: Edward Battersby Bailey
BGS Photograph Y00043

Cover design by F.I. MacTaggart

NATURAL ENVIRONMENT RESEARCH COUNCIL
BRITISH GEOLOGICAL SURVEY

TECHNICAL REPORT WO/00/04

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A transcription of the original archive notes

Keyboarded by Gail Gray and Katherine Fergusson
Edited and lightly updated by G. McKenna and R.P. McIntosh

Index terms

Biography
British Geological Survey

Bibliographic reference

Guppy, E.M.
BGS Archives GSM1/718, Biographical
notes on Geological Survey staff.
British Geological Survey
Technical Report WO/00/04

INTRODUCTION

To mark the centenary of the formation of the Geological Survey, Sir John Flett, Director of the Survey in 1935, wrote his "The first one hundred years of the Geological Survey of Great Britain". Published by HMSO in 1937 this work was to become one of the key texts for anyone carrying out research into the development of the Survey. One section, Appendix 2, is an invaluable reference list of those who served on the staff of the Survey between 1835 and 1935. The Prefatory Note in Flett's work acknowledges the contribution of Miss E M Guppy in the compilation of the staff list.

While the list as it appears in the published work provides only brief biographical details on each individual member of staff, the BGS Library Archives include the full MSS notes (GSM1/718) made by Miss Guppy. These notes contain a much fuller entry for each person and give a fascinating insight into the careers of many of the geologists involved.

To make this biographical detail more widely available and to protect the original documents from the hazards of repeated use, the MSS notes are being released as a Technical Report. The data was input at Murchison House by Gail Gray and Katherine Fergusson. Bob McIntosh supervised the process, extensively reformatted the text and set it up for printing. After locating the notes originally, Graham McKenna has edited the content and enhanced some of the entries with additional facts which were readily available.

Researchers using the detail in the Report are advised that it has limitations in that it represents a snapshot in time, the 1930's, and that there is a wealth of other biographical information available on many of the persons included. Further information is to be found in subsequent obituaries and in fuller lists of published works in sources such as the BGS Library's on-line catalogue. BGS Library should be contacted to ascertain the full range of material available for each geologist.

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Thomas Adams

1868 Joined Survey 1st April.

1869 Resigned 22nd April.

Henry Attwool Allen

- 1854 Born November 14th.
- 1875 Joined Survey as Temporary Fossil Collector.
- 1882 Assistant Naturalist.
- 1898 Assistant Curator of Fossils.
- 1901 Geologist.
- 1919 Retired.
- 1934 Died.

Ernest Masson Anderson M.A., B.Sc. (Edinburgh)

- 1877 Born August 9th.
- 1903 Joined Survey as Geologist (Senior Geologist 1922).
- 1928 Retired (ill-health).

William Talbot Aveline

- 1822 Born.
- 1840 Appointed, Assistant Geologist under De la Beche.
Worked for a short time in Somerset on the Mendip Hills, then transferred to South Wales and surveyed parts of Pembroke.
Worked through other countries into North Wales, across borders to parts of West of England and into Midlands as far as Nottingham.
- 1867 Appointed District Surveyor in charge of mapping of Lake District. Lived at Kendal till retirement.
- 1882 Retired.
- 1894 Murchison Medal.
- 1903 Died May 12th. [Copy of newspaper death notice with manuscript.]

Obituaries/biographies

Geol. Mag. 1903 p. 285.

Newspaper death notice attached to ms.

Edward Battersby Bailey

- 1881 Born July 1st at Kendal. Educated at Kendal Grammar School and at Clare College, Cambridge. (1st in Nat. Science & Physics.)
- 1902 Joined Geological Survey (Scotland). D.G. 1919.
- 1929 Survey Service terminated 24/12/29.
- 1929 Appointed to Chair of Geology at Glasgow in succession to J.W. Gregory. Elected Professor 12/12/29. Term began 1/1/30, lectures 6/1/30.
- 1930 F.R.S.

Obituaries/biographies

Glasgow Herald 25/2/30.

William Hellier Baily F.L.S., F.G.S., M.R.I.A.

- 1819 Born July 7th at Bristol.
- 1837 - 44 Assistant Curator at Bristol Museum.
- 1844 Joined Geological Survey as draughtsman.
- 1845 Appointed Assistant Geologist. Duties confined to museum work.
- 1854 Appointed Assistant Naturalist under Edward Forbes, later under Huxley.
- 1857 Transferred to Irish Survey, as Acting Palaeontologist. (Post retained till 1888.)
- 1868 Additional appointment - Demonstrator in Palaeontology to Royal College of Science for Ireland.
- 1867 Wollaston Fund from Geol. Soc.
- 1888 Died Aug 6th near Dublin.

Publications

Chief work - description and drawing of fossils, palaeontological. Notes in Irish Memoirs, papers on palaeontological and kindred subjects, 1867-75 "Figures of Characteristic British Fossils".

Obituaries/biographies

Geol. Mag. 1888, p. 431, 576

Nature Aug 23. 1888, p. 396

George Barrow

- 1853 Born December 11th in London.

Educated at the Philological School conducted by Dr. Abbott. Turner Scholarship. Matriculated at 15. Elected Associate of King's College.
- 1871 Became Private Secretary to Poulett Scrope. Recommended by him to Ramsay, then Director of Survey.
- 1876 Poulett Scrope died, and Barrow invited to fill vacancy on Survey staff.
- 1896 Geologist. First worked in E. Yorkshire; made important contributions to literature of Mesozoic rocks.
Through association with Allan Dick became interested in igneous and metamorphic rocks.
Worked at igneous and structural problems in the Eastern Highlands; the first to recognise and map zones of progressive metamorphism. Paper: "On an Intrusion of Muscovite - Biotite - Gneiss..." and others.
- 1900 Returned to England. Worked in the Cheadle and North Staffordshire Coalfield and later in the granitic and mining areas of Devon and Cornwall.
- 1909 District Geologist for London. Particularly interested in water-supply and in the construction and maintenance of tube railways.
- 1912 Bolitho Medal from Geological Society of Cornwall.
- 1913 Murchison Medal.
- 1915 Retired from Survey.
- 1932 Died July 23rd.

Obituaries/biographies

Q.J.G.S. 1933 P. LXXXVII

Hilary Bauerman

- 1833 Born.
- 1851 Entered Royal School of Mines. Studied under Playfair, Ramsay, Forbes, Warrington Smyth, Hunt and Percy.
- 1853 Went to Freiberg Mining Academy for 3 years.
- 1855 Returned to England. Joined Geological Survey as Assistant Geologist 15th October.
- 1858 Resigned 31st. March. Appointed to Boundary Commission of N. America. 6 years survey work in Canada and US.
- 1863 F.G.S. (Served on Council 1874 - 98. Vice-President.)
- 1863-88 Government and professional works - mining and metallurgical surveys - explorations abroad.
- 1872 Sent to report on iron in India (Mem. on Indian Surveys. C.R. Monkham, 1878, p. 224).
- 1883 Appointed lecturer on metallurgy at Firth College, Sheffield.
- 1886 Appointed Professor of Metallurgy to the Ordnance College, Woolwich.
- 1890 Retired.
- 1909 Died December 5th.

Honours

Examiner to Civil Service Commissioners for appt. of Mine Inspectors.

Sci. and Art Department and B.Ed. in mining and metallurgy.

Roy. School of Mines and Camborne Sch. Mines.

Hon. Member of Chem. Soc., Metall. Soc., Inst of Mining and Metall., Iron and Steel. Inst.

Assoc. Member of Inst of Civil Eng., and Royal Sch. Mines. F.G.S.

Awards: Howard Prize 1897 (Inst. Civ. Eng). Gold Medal 1906 (Inst of Mining and Metall).

Obituaries/biographies

Geol. Mag. 1910, p. 46

Francis James Bennett

- 1845 Born January 21st.
- 1868 Joined Survey 1st April.
- 1899 Retired 31st March.
- 1907 “Ightham: The Story of a Kentish Village and its surroundings.”

Obituaries/biographies

Hist. Geol. Soc. 1907 p. 213

James Bennie

- 1821 Born September 23rd.
Employed in paper factory. Leisure hours devoted to study of glacial, interglacial and post-glacial deposits of west of Scotland (also collected Carboniferous fossils).
- 1867 Results communicated to Dr Croll and published in Trans. Glasgow. Geol. Soc.
- 1869 Joined Survey as Fossil Collector (Scotland). Special knowledge of Carboniferous fossils of Central Scotland discovered many new forms - first to record Holothusians in Scottish Carboniferous, and arctic plants in silt of former lakes in Boulder Clay.
- 1899 Murchison Fund.
- 1901 Died January 28th.

Obituaries/biographies

Geol. Mag 1901.. 143

Hist. Geol. Soc. Glasgow 1908, p. 207

Edward Best

- 1824 Born December 20th.
- 1855 Joined Geological Survey.
- 1862 Promoted to Geologist.
Resident in Jermyn St. 38 years.
- 1893 Retired.
- 1906 Died November 8th.

Obituaries/biographies

Geol. Magazine 1907, p. 140

T.C. Bishopp

- 1862 Joined Survey 26th August.
(Assistant Surveyor. Assoc. Royal School Mines) (Annual Report for 1863 p. 196.)
- 1863 Died 4th August.

John Hopwood Blake Assoc. M Inst. C.E., F.G.S.

- 1843 Born July 22nd in London.
Educated at King's College.
Apprenticed to engineer, engaged for several years on railway work in Cornwall and S. Wales.
- 1868 Joined Survey. Became engaged in re-survey of portions of Somerset, later in first detailed Drift Survey of area N.W. of London.
Transferred to Suffolk and Norfolk. Made careful study of Forest Bed Series.
- 1884 1st Geol. Survey of England completed. Blake went to Reading and began 6th re-survey and mapping of Drifts.
- 1901 Died March 5th.

Publications

Memoirs:

- “East Dereham” (1888)
- “Yarmouth and Lowestoft” (1890)
- “Water Supply of Berkshire” (with Whitaker)
- “Reading” (unfinished) (1903)
- “Bury St Edmunds” (1886) with F.J. Bennett

Contributed notes to:

- “E. Somerset” (1876)
- “Stowmarket” (1881)
- “Norwich” (1881)
- “London” (1889)

Obituaries/biographies

Geol. Mag. 1901, p. 288

Charles R. Bone

- 1808 Born December 24th.
- 1845 Joined Survey September.
- 1875 Died April 9th.

Thomas Owen Bosworth M.A., D.Sc., F.G.S.

- 1882 Born March 28th at Spratton, Northants.
- 1902 Entered St. John's College, Cambridge.
1st Class in Nat. Sci. Tripos. Awarded Harkness Scholarship.
- 1904-11 Devoted spare time to study of Keuper Marls of Leicestershire.
- 1912 Results published: "The Keuper Marls around Charnwood."
- 1908 Joined Geol. Survey of Scotland.
Mapped part of Mull under C.T. Clough (Leaf-beds at Ardtun). Contributed to
Memoir "Tertiary Mull" (1924).
- 1909 Resigned from Survey.
Worked abroad as oil geologist - in Galicia, Italy, Trinidad, Barbados, Peru,
Venezuela, Ecuador, Texas, U.S. and Canada to within the Arctic Circle.
- 1921 Wollaston Fund.
- 1929 Died January 18th in London.

Obituaries/biographies

Q.J. 1929 p. LXIV

Geol. Mag. 1929 p. 191

Nature, March 30th 1929, p. 500

Henry William Bristow

- 1817 Born May 17th. Son of Maj. Gen. H. Bristow.
- Educated at King's College, London. (Civil Engineering and Applied Science).
- 1842 Joined Survey: (1847 Geologist; 1867 Dist. Surveyor; 1872 Director).
Worked in Radnor district on ORS and Sil.; then on Jurassic of Somerset and Gloucester Later: Dorset, Wilts, Hants, I.W., Berks., Sussex, Weald and E. Essex. Memoirs: Isle of Wight (1862). "Berks and Hants" (1862 with Whitaker.) Contrib. Notes to "London Basin", "Weald", and "E. Somerset". Mapped and named "Penarth Beds" in Glam., Glas., and Somerset (see Geol. Mag. 1864 p. 238).
- 1861 "Glossary of Mineralogy" Published.
- 1862 Elected F.R.S.
- 1869 Translation of L. Simonin's "La Vie Souterraine" - "Underground Life: or Mines and Miners."
- 1872 Translation of Louis Figuier's "World before the Deluge: and new chapter on the Rhaetic or Penarth Beds.
- 1872 Appointed Director of Survey, England and Wales. During Directorship 1" Survey completed.
- 1888 Retired.
- 1889 Died June 14th.

Honours

Foreign Honours:

Diploma from Imp. Geol. Instit. Of Vienna.

Diploma and Insignia of an officer of Order of SS. Maurice and Lazarus (Italy).

Publications

List of Publications: Geol. Mag. 1889 p. 384.

Obituaries/biographies

Geol. Mag. 1889 p. 381

Nature, June 27th 1889 p. 206

Hist. Geol. Soc. H.B. Woodward.

Times 18th June 1889. [Copy of obituary attached to ms.]

David Burns

- 1843 Born December 1st.
- 1867 Joined Survey 8th August.
- 1880 Resigned 22nd April.

Henry Moubray Cadell J.P., D.L., B.Sc., F.R.S.E., F.S.A.Scot., V.D.

- 1860 Born May 30th, son of H. Cadell of Grange, Linlithgow. Educated at Edinburgh University and Germany (studied mining geology at Clausthal Royal Mining Academy).
- 1883 Joined Geological Survey.
- 1884 Went to the Highlands.
- 1888 Retired from Survey on succeeding to family estate.
- 1889 Married.
- 1890 Entered County Council of Linlithgow. (Retired as Convener in 1929.)
- 1924- Took active part in Volunteer movement, serving for 24 years. Retired 1906 with rank of Lieut. Colonel and Hon. Colonel V.D., commanding 4th Division, Royal Engineer Volunteers.
- 1932 Hon. Degree of LL.D. from University of Edinburgh.
- 1934 Died May 10th.

Honours

Cadell Mountains in Spitzbergen named in his honour.

Publications

Story of the Forth (1913).

Geology of the Scenery of Sutherland.

Geology of the Oil Shales of the Lothians.

Obituaries/biographies

Who's Who 1929.

Scotsman 11/4/34.

[Several obituaries including photographs held with the ms.]

Alan Charles Grant Cameron

1844 Born February 18th

1868 Joined Survey 18th April.

Publications

Contributed notes to:

“Lincoln” Memoir 1888.

“North Lincolnshire and South Yorkshire” Memoir 1890.

“York and Hull” Memoir 1886.

“Northallerton” Memoir 1886.

C.R. Campbell

1871 Resigned from Survey.

Thomas Crosbee Cantrill

- 1867 Born November 20th at Handsworth, Birmingham. Educated at King Edward VI Grammar School, Stourbridge, and Mason College, Birmingham. Studied geology under Professor Charles Lapworth.
- 1891 Graduated (1st).
- 1895 Heslop Gold Medal for research on structure of Forest of Wyre Coalfield (carried out during period of scholastic work).
- 1896 Joined Geological Survey. (Geologist 1901; D.G. 1914.) For 14 years engaged in mapping and description of South Wales Coalfield.
- 1907 F.G.S. Awarded Lyell Fund.
- 1910 Transferred from South Wales to the Midlands (Lichfield).
- 1914-18 Special reports on Mineral Resources.
- 1919 Resumed normal work in North Wales Borderland and Midlands.
- 1921-23 Served on Council of Geological Society.
- 1927 Retired in November to Worcestershire. Devoted leisure to study of local archaeology – results published in *Archaeologia Cambrensis* etc.
- 1931 Died April 3rd at Kidderminster.

Publications

Contributed to following Memoirs:

Special Reports. Mineral Resources vols. IX and VIII. Iron Ores (1919, 1920).

“South Wales Coalfield”, Parts III, IV, V, VI, VII, IX, X, XI, XII.

“Flint” (1924); “Lichfield” (1919); “Coventry” (1923).

Unofficial publications:

Handbook on coal mining.

Geological chapters to Victoria Histories of Shropshire and Warwickshire, and various papers.

Obituaries/biographies

Quarterly Journal Geological Society (1932), page LXXIX.

[Typescript obituaries with the manuscript - one by Flett.]

F. Maxwell Carroll

1854 Joined Survey 3rd November.

1856 Resigned 4th July.

Richard Clark

- 1853 Born June 16th.
- 1877 Joined Survey (Ireland) as Temporary Fossil Collector.
- 1891 Made Assistant in Fossil Department. (1890 “Assistant Curator and Fossil Collector” – Annual Report 1890.)
- 1901 Superintendent of Maps.
- 1904 Transferred to Irish Survey Geologist 1st April.
- 1918 Retired 16th June.
- 1933 Died 29th October at Dublin.

Charles Thomas Clough M.A., LL.D., F.G.S., F.R.S.E.

- 1852 Born December 23rd. Educated at Rugby and St. John's College, Cambridge (entered 1871).
- 1872-74 Awarded exhibition in Natural Science. 1st class B.A. in Natural Science. M.A. in 1878.
- 1875 Joined Survey as Assistant Geologist. Worked under H.H. Howell in the North of England, beginning at Teesdale. 1st paper – Quarterly Journal (1876) “Section at High Force, Teesdale” 8 years in Northumberland and Durham. Survey Memoirs: “Otterburn and Elsdon” (1887). “English side of Cheviot Hills” (1888). “Plashetts and Kielder” (1889).
- 1884 Completion of 1 inch Map of England and Wales. Clough, Gunn, Barron and Hugh Miller transferred to Scotland. Clough engaged in surveying Cowal district, also took part in survey of North-west Highlands. Mapped large district in Sutherlandshire north of Loch Glencoul to Loch Inchard; and area round Loch Maree. (Description in North-west Highlands Memoir.) Then worked in Glenelg, north-east part of Skye and Soay.
- 1896 Promoted to Geologist.
- 1900 Transferred to Strathcarron, East Ross-shire.
- 1902 Became District Geologist on the death of Gunn. Continued for a time in Ross-shire and subsequently took charge of work in North Argyllshire and Mull. Also employed on revision of coalfields – Haddington, Lothians, Bo’ness. Then Lanarkshire coalfield, South-east of Glasgow and finally North Ayrshire coalfield.
- 1906 Murchison Medal.
- 1908-10 President of Geological Society Edinburgh.
- 1916 Hon. Degree of LL.D. conferred by St. Andrews University.
- 1916 Died August 27th. (Railway accident.)

Publications

Results of field work mostly in Survey Memoirs and Maps “Cowal” (1897), “Edinburgh” (1910), “Glasgow” (1911), “Ben Wyvis” (1912), “Glenelg” (1910), Economic Geology of Central Coalfield of Scotland, parts II, V, VII, “Mull” (1924).

“Mallestang” (1891), “Wooler and Coldstream” (1895), Special Report V, Potash and Feldspar (1916), “East Lothian, 2nd edition (1910), North West Highlands (1907), “Tertiary igneous rocks of Skye” (1904), “Knapdale” (1911), “Colonsay” (1911), “Mid-Argyll” (1905), “Fannich Mountains” (1913), “Ben Nevis” (1916), “Moor of Rannoch” (1923), “West Central Skye” (1904).

Alexander Colvin

1874 Joined Survey 15th July.

1879 Resigned 2nd September.

J. Cotton

1852 Joined Survey. (Fossil Collector) 16th August.

Resigned.

James Craik

1870 Joined Survey 15th July.

1872 Resigned 1st September.

Publications

Part author with A. Geikie of “Whithorn, Burrow Head, Wigton”. M.G.S. (1873).

Cecil Burleigh Crampton

- 1871 Born October 27th.
- 1900 Joined Survey (Geologist 1901).
- 1914 Retired (ill-health).
- 1920 Died March 27th.

Publications

Contributed to following Memoirs:

- “Caithness” (1914).
- “East Lothian” (2nd edition 1910).
- “Edinburgh” (1910).
- “Glasgow” (1911).
- “Central Coalfield of Scotland, Area II” (1917).
- “Mid-Strathspey” (1915).
- “Central Ross” (1913).
- “Fannich Mountains” (1913).
- “Ben Wyvis” (1912).

James Croll LL.D., F.R.S.

- 1821 Born at St. Martins, Little Whitefield, Perthshire on January 2nd. Son of David Croll, stonemason. Tried various occupations; millwright, insurance agent, etc.
- 1859 Obtained appointment as Keeper in Andersonian University, Glasgow. Pursued studies on electricity, heat and physics, causes of climatic changes. Accepted land ice theory.
- 1864 1st paper on cause of climatic change. Attracted attention of Lord Kelvin Ramsay and A. Geikie.
- 1867 Appointed to post of Secretary to Scottish Geological Survey.
- 1875 Published volume on “Climate and Time” (results of 11 years of research). Other lines of research: Determination of present rate of subaerial denudation by ascertaining quantity of sediment annually carried down by rivers. Suggested Scandinavian Scottish ice-sheets coalesced on floor of North Sea, moving west. Investigated cause of glacier motion. Attributed submergence during Glacial period to displacement of earth’s centre of gravity by polar ice-cap. Philosophical questions. (Last work: “The Philosophical Basis of Evolution”.)
- 1872 Wollaston Fund.
- 1876 Hon. degree of LL.D. conferred by St. Andrews University. F.R.S., Honourable Member of New York Academy of Science (and later of – Bristol Natural Society, Psychological Society of Great Britain, Glasgow Geological Society, Literature and Antiquarian Society of Perth and Perthshire Society of Natural Sciences).
- 1877 Murchison Fund.
- 1881 Resigned from Survey (ill-health).
- 1890 Died December 15th.

Obituaries/biographies

List of papers and works in Appendix to Autobiographical Sketch pp. 527-535.

Hist. Geol. Soc. Glasgow (1908) p 204.

Hist. Geol. Soc. London (1907) p 238.

Charles Victor Crook, B.A.

- 1868 Born April 13th.
- 1895 Joined Survey 22nd June.
- 1901 Appointed Assistant Librarian 1st April.
- 1922 Senior Geologist 1st April.
- 1929 Retired 30th June.

Richard Joseph Cruise C.E., M.R.I.A.

- 1842 Born June 6th, Moynalty, Co. Meath.
- 1867 Joined Survey as Assistant Geologist (Ireland) 9th August.
- 1890 Retired. Civil Engineer. Carried out engineering works in many parts of Ireland, including the Limerick Waterworks in conjunction with Robert Fogarty C.E. and James Browne C.E.
- 1895 Died October 2nd in Ireland at Rathmines, Dublin.

Obituaries/biographies

“Irish Times” October 29th, 1895.

Edward Hubert Cunningham-Craig

- 1874 Born April 22nd.
- 1896 Joined Survey 29th April.
- 1901 Geologist 1st April.
- 1903 Lent to the Government of Trinidad for 2 years. (Annual Report 1903).
- 1905 18 months extension granted.
- 1907 Returned in June. Resigned 22nd October.

Publications

Contributed to following Memoirs:

- “Blair Atholl” (1905)
“Upper Strathspey” (1913)
“Braemar” (1912)
“Beaully and Inverness” (1914)
“Colonsay” (1911)

Cecil Henry Cunnington B.Sc.

1889 Born June 7th.
1910 Joined Survey.
1914-1917 Military Service.
1918 Died April 26th.

Publications

Contributed to “Lichfield” (1910), “Coventry” (1923) Memoirs and “Thicknesses of Strata” (1916).

John Roche Dakyns, M.A.

- 1836 Born January 31st in St. Vincent, West Indies, son of Dr. Th. Dakyns.
- 1845 Moved to Rugby and received early education there.
- 1855 Entered Trinity College, Cambridge.
- 1859 27th Wrangler in Maths Tripos. Teaching for 2 years.
- 1862 Joined Geological Survey as Assistant Geologist 16th January.
- 1868 Promoted to Geologist. Field work chiefly in West Riding of Yorkshire and bordering tracts of Derbyshire, Lancashire and Westmoreland.
- 1884 Transferred to Scotland on completion of 1inch mapping of England and Wales. Engaged for 10 years in mapping parts of the Forest of Atholl, to borders of Argyll and Loch Lomond district.
- 1892 Paper with Teall to Geological Society. "On the plutonic rocks of Garabal Hill".
- 1894 Transferred to South Wales for 6 inch re-survey of coalfield.
- 1896 Retired. Remapped part of Snowdon area on 6 inch scale.
- 1910 Died September 27th.

Publications

Part author of following Memoirs:

- North Derbyshire (1869)
Yorkshire Coalfield (1869 and 1978).
Leeds and Tadcaster (1870)
Dewsbury, Huddersfield and Halifax (1871)
Burnley Coalfield (1875)
Bradford and Skipton (1879)
Bridlington Bay (1885)
York and Hull (1886)
Driffield (1886)
Kendal and Sedbergh (2nd edition 1888)
Ingleborough (1888)
Mallerstang (1891)
Appleby(1897)
South Wales Coalfield, Part II Abergavenny (1900)

William Herbert Dalton, F.C.S.

1848	Born July 16 th .
1867	Joined Survey 31 st July.
1883	Promoted 9 th February.
1885	Retired 31 st October.
1929	Died.

Publications

Memoirs : “Colchester” (1880)

“Aldborough” (1886)

“Halesworth” (1887), with Whittaker.

Contributions to:

“Yorkshire Coalfield” (1878)

“North-west parts of Essex” (1878)

“Ipswich” (1885)

“Lincolnshire, with parts of Leic. And Notts. (1885)

“Lincoln” (1888)

“Bradford and Skipton” (1879).

Obituaries/biographies

Proceedings of Geologists Association XLI (1930), pp 96.

QJGS 1930 p. lxii

William Davies F.G.S.

- 1814 Born at Holywell, Flintshire.
- 1843 Entered Geology Department of British Museum. Worked at Mineralogy and Fossil Vertebrates.
Described and catalogued mammalian remains from Thames Valley Brick-earth collected by himself and Sir Antonio Brady.
- 1846 Joined Survey 1st April as a Fossil Collector.
- 1873 Awarded first Murchison Medal.
- 1875 Made Assistant at Museum, In 1880 promoted to 1st Class.
- 1880-7 Assisted in removal of collections to Cromwell Road.
- 1887 Retired.
- 1891 Died February 13th.

According to staff register W. Davies joined Survey April 1st, 1846, as Fossil Collector. No further particulars.

Obituaries/biographies

Geological Magazine (1891) p. 144. p. 190.

List of Publications: Geological Magazine (1891) p. 191.

William Boyd Dawkins

- 1837 Born December 26th at Buttington, Welshpool. Son of Rev. R. Dawkins. Educated at Rossall and Jesus College, Oxford. Took 2nd class in Classical and a 1st in Natural Science and was first holder of Burdett-Coutts Scholarship.
- 1862 Joined Geological Survey 30th June. Mapping in Kent and Thames Valley.
- 1866 Began publication of Monograph on “British Pleistocene Mammalia” (Pal. Soc.)
- 1867 Elected F.R.S.
- 1869 Resigned from Survey. Appointed Curator, Natural History Department, Manchester University and Lecturer in Geology at Owen’s College (Professor 1872. Resigned 1909).
- 1874 “Cave-hunting”.
- 1880 “Early man in Britain”.
- 1882 President Anthropological Section, British Association.
- 1888 President Geological Section, British Association.
- 1889 Lyell Medal.
- 1900 D.Sc. from Oxford.
- 1918 Prestwich Medal.
- 1919 Knighted.
- 1929 Died January 15th at Bowden, Cheshire.

Did much work in connection with Channel Tunnel and Kent Coalfield and geological problems of all kinds. Late in life returned to study of Pleistocene and Prehistoric animals. On retirement elected Hon. Professor of Manchester University and received Hon. D.Sc.

Publications

List of publications: Geological Magazine (1909) pp 531-534.

Obituaries/biographies

Geological Magazine (1909) p. 529.

Geological Magazine (1929) p.142.

Quarterly Journal (1929) p. LIX.

Nature (Feb. 22nd 1929) p. 284.

Henry Thomas De la Beche

- 1796 Born. Early life spent in Devon and Dorset.
- 1810 Entered Military School of Great Marlowe.
- 1819 Observations on depth and temperature of Lake Geneva published in “Biblioteque Universelle”.
- 1820 Published in “Edinburgh Philosophical Journal”.
- 1824 Visited Jamaica. Memoir on Jamaica published in “Transactions Geological Society”.
1st volume published = Translation with notes, of a selection of Geological Memoirs from the “Annales des Mines”.
- 1829 “A notice on the excavation of valleys”
“Sketch of a classification of European rocks”.
“Geological notes”.
Series of 40 “Sections and views illustrative of geological phenomena”.
- 1831 “The manual of geology”, (2nd edition 1832).
- 1834 “Researches in Geology”.
Began geological mapping in Cornwall.
Became attached to Ordnance Survey under Colonel Colby.
- 1835 Appointed Director of officially recognized Geological Survey.
- 1837 Obtained sanction for Museum of Geology, Appointed Director (Museum opened 1841).
- 1840 Established Mining Record Office at Craigs Court.
- 1839 Published “Report on Geology of Cornwall, Devon and West Somerset”. (First maps ready for publication 1834).
- 1847 President of Geological Society.
- 1848 Knighted. Other honours: Knight Commander of Danish order of Dannebrog. Knight Commander of Belgian Order of Leopold. Correspondent of Institute of France. Etc.
- 1853 2nd edition “Geological Observer”.
- 1855 Wollaston Medal

1855

Died April 13th.

Publications

Papers to Geological Society:

“On the geology of South Pembrokeshire”

“On Lias of coast in vicinity of Lyme Regis”.

“On Chalk and Greensand in vicinity of Lyme Regis.....”.

“Remarks on the geology of Jamaica”.

“On the geology of Tor and Babbacombe Bays, Devon”.

“On the geology of environs of Nice and coast Thence to Ventiquiniglia”.

“On the geology of the neighbourhood of Weymouth and adjacent parts of coast of Dorset”
(with Buckland).

Memoirs:

Essays in Volume I (1846).

Cornwall, Devon and Somerset (1839).

Additional notes by W.J.H. from D.N.B.

1796 Born in a London suburb. Father a Military Officer.

1832 £300 granted & appointed to conduct a geol. Survey under Board of Ordnance.

Previous mapping in mining district of Devon & Cornwall at his own expense.

Obituaries/biographies

Quarterly Journal (1855).

Quarterly Journal (1856).

Illustrated London News, May 17th, 1851.

Charles Eugene De Rance, Assoc. M.Inst., C.E., F.G.S.

- 1847 Born November 22nd. Son of Colonel De Rance of the French National Guard, exiled from France 1848. Mother also French. Educated at King's College School, London. Trained in engineering office of R.W. Mylune, F.R.S.
- 1868 Joined Geological Survey.
Field work mainly in Lancs. Cheshire and Flint
- 1898 Resigned from Survey but continued in private practice as consulting mining and water engineer at Blackpool.
- 1906 Died May 9th.

Honours

For many years Secretary of British Association Committees on circulation of underground water and on coast erosion.

Publications

Memoirs:

- “Liverpool and Southport” (1869).
“Southport, Lytham and South Shore (1872).
“Blackpool, Poulton and Fleetwood” (1875).
“Superficial geology of country adjoining coasts of south-west Lancashire” (1877).

Contributed to Memoirs:

- “Flint” (1890)
“Mallerstang” (1875)
“Burnley Coalfield” (1875).
Book: “Water supply of England and Wales”.
Papers: On Gault of Folkestone.
Cretaceous of south-west England.
Glaciation of south-west England.
Cave deposits.

Obituaries/biographies

Geological Magazine (1906) p. 288.

Allan B. Dick

- 1833 Born May 31st at Edinburgh; son of John Dick, head of an old Edinburgh family and a Bailie of the City. Educated at Edinburgh High School (fellow pupil of the Geikies). On leaving school, became apprenticed to Dr. George Wilson, Regius Professor of Technology at Edinburgh University.
- 1851 Left Edinburgh to become assistant to Dr. Percy at newly formed School of Mines. Chief work on chemistry of metals, especially iron and lead. Results incorporated in Percy's Memoirs. Also published papers on the Cleveland Iron Ore, The metallurgy of copper, and alloys of Bismuth (mainly in the Philosophical Magazine).
- 1855 Michael Faraday exhibited at the Royal Institution a large sample of metallic aluminium prepared by Dick for the first time from cryolite.
- 1856 Left School of Mines for appointment as chemist to Messrs. Walker, Parker and Co. lead and zinc smelters and refiners of Bagillt, North Wales. Later commissioned to investigate lead and iron ores of Spain.
- 1872 Married.
- 1875 Returned to London. Renewed associations with Jermyn Street Museum. Devised improved microscope (account published 1888).
- 1887 Published in "Nature", "Zircon and other minerals contained in sand".
- 1888 Teall figured some of Dick's preparations in "British Petrography".
- 1889 Further paper on heavy minerals in sands and clays. First to detect and describe crystalline kaolinite.
- 1894 Described "Geikielite" a new titanite of iron from Ceylon.
- 1924 Elected Honorary Fellow of Edinburgh Geological Society.
- 1925 Contributed paper on the foraminifera Bathysyphon.
- 1926 Died June 12th at Hampstead.

Obituaries/biographies

Transactions Edinburgh Geological Society vol XII (1928) p.165.

Frederick Drew

- 1836 Born at Southampton, August 11th. Educated at private school kept by his father in Southampton.
- 1853 Entered Royal School of Mines. Took Duke of Cornwall's Scholarship, a Royal Scholarship and Edward Forbes Medal.
- 1855 Left School of Mines and joined Geological Survey as Assistant Geologist. Worked chiefly in south-east England. (Geol.1861).
- 1855-62 Paper on Hasting Sands (Q.J.G.S. 1861)
Account of geology of Folkestone, Rye and Romney Marsh (Memoir 1864).
Proposed subdivisions of the Hastings Sands which were accepted – and introduced modifications in classification of Lower Cretaceous in Wealden area.
- 1858 Elected F.G.S.
- 1862 Resigned from Survey.
Accepted appointment as Geologist to Maharaja of Kashmir.
Appointed to Governorship of Jammu and subsequently of Ladak.
Published results of work in Kashmir:
- 1872 Returned to England. Elected F.R.G.S.
- 1873 Q.J.G.S. vol XXIX p.441.
- 1875 "The Jammu of Kashmir Territories, a geographical account".
- 1875 Accepted a Mastership at Eton.
- 1877 "Northern barrier of India".
- 1891 Died October 25th.

W. L'Estrange Duffin

c. 1844 Born Co. Down.

1871 Joined Survey (Ireland) 19th May.

1874 Resigned 14th February.

George Victor Du Noyer M.R.I.A., F.R.G.S.

- 1817 Born. Dublin. (Lineal descendant of the Chevalier du Noyer. Ancestors came to Ireland as Refugees).
- 1834 Appointed to Geological Branch of Ordnance Survey of Ireland (under General Portlock).
Later served on Archaeological Section of same service under Petrie.
- 1847 Joined Geological Survey, Irish branch.
Contributed to many Memoirs, also papers to Royal Irish Academy, Dublin Geological Society, The Geologist etc. Drawings in memoirs and in “Murchison’s Siluria”, “Juke’s Manual”, “Juke’s Popular Geology” etc.
Helped with Griffith’s and McCoy’s palaeontological plates.
“The Du Noyer Sketches” – archaeological and geological drawings in 6 volumes. Presented to the Royal Irish Academy.
During field work in Dingle, discovered prehistoric city of Faha – account read to British Association and published by the Archaeological Society London.
Superintended opening of prehistoric cairns Je Danaan at Lough Creu. Prepared account with drawings (Kilkenny Archaeological Society).
Series of papers on Cromlechs in Journal of Historical and Archaeological Association of Ireland.
Survey work – connected with work on 48 1 inch sheets and 17 memoirs. Most important memoirs = Explanation of sheets 102, 112, 160, 161, 172, 167, 168, 178, 179, 184, 185, 186.
- 1869 Died January 3rd at Antrim.

Frederick William Egan B.A.

- 1836 Born July 31st in Dublin. Educated at Trinity College, Dublin (B.A. and Engineering Diploma). Railway Engineer in Ireland.
- 1868 Joined Geological Survey of Ireland as Assistant Geologist.
- 1890 Promoted to Geologist.
- 1901 Died January 6th.

Contributions to Memoirs and Reports:
Sheet 48 (Ire) 1872.
Sheets 49 and 50 (Ire) 1872 with Traill.

Obituaries/biographies

Geological Magazine (1901) p. 95.

Robert Etheridge

- 1819 Born December 3rd at Ross, Herefordshire. Educated at private school in Ross. Became tutor at a school in Bristol, then entered business. Met W. Sanders, geologist, and S. Stutchbury, Curator of Museum of Natural History at Bristol.
- 1850-7 Succeeded Stutchbury as Curator. Also became lecturer on Botany in Bristol Medical School.
- 1854 F.G.S.
- 1855 F.R.S.E.
- 1857 Appointed Assistant Naturalist under Huxley at Jermyn Street to catalogue and describe Mesozoic and Cainozoic fossils. Report on Thames mud and water printed.
- 1863 Succeeded J.W. Salter as Palaeontologist.
- 1865 “Catalogue of Fossils in Museum of Practical Geology”.
- 1867 Paper to Geological Society on “Physical structure of N. Devon and palaeontological value of Devonian fossils”. (defence of unity of Devonian system).
- 1868 Report on Somerset Coalfield to “Royal Commission on Coal”.
- 1871 F.R.S.
- 1880 Murchison Medal.
- 1881,2 President of Geological Society. Addresses on analysis and distribution of British Palaeozoic and Jurassic fossils. Resigned from Geological Survey. Appointed Assistant Keeper in British Museum Geology Department.
- 1885 “Stratigraphical geology and palaeontology” published.
- 1888 “Fossils of the British Islands, stratigraphically and zoologically arranged” (1st volume on Palaeozoics published).
- 1891 Retired. Consulting Geologist to Dover Coal Boring.
- 1896 Bolitho Medal from Royal Geological Society of Cornwall
- 1897 Paper on “The Kent Coalfield” to engineering conferences.

1903 Died.

Publications

List of works and memoirs: Geological Magazine (1904) pp 46-48.

Obituaries/biographies

Proceedings Royal Society LXXV (1905) p. 258.

Geological Magazine (1904) p. 42.

Robert Etheridge (Junior)

- 1846 Born May 23rd, son of Robert Etheridge, Geologist.
Took up geological work in Australia in first Geological Survey of Victoria under A.R.C. Selwyn. Survey disbanded and Etheridge returned home.
- 1871 Appointed Palaeontologist to Geological Survey of Scotland (his father being Palaeontologist to English Survey).
- 1878 Resigned. Appointed Assistant Naturalist, British Museum, on removal of collections to South Kensington.
Prepared catalogue of Blastoidea with help of P.H. Carpenter.
Compiled bibliography of Australian Geology.
Studied fossils sent from Queensland by R. Logan Jack.
- 1887 Returned to Australia as Palaeontologist to Geological Survey of New South Wales and to Australian Museum, Sydney. Worked there for last 33 years of his life.
- 1892 Produced joint work with Jack on “The Geology and Palaeontology of Queensland and New Guinea”.
- 1895 Became Director of Australian Museum.
Initiated “Records of the Geological Survey”; founded new Library; published important memoirs on fossils of older rocks; founded “Records of the Australian Museum”; introduced popular science lectures and demonstrations.
Received Clarke Memorial Medal from Royal Society of New South Wales
- 1911 Received Muller Memorial Medal from the Australian Association for the Advancement of Science.
- 1920 Died January 4th at Colo Vale, near Sydney.

Publications

Fossil lists in memoirs:
North Ayrshire (1872).
Central Lanark (1873).
Airdrie etc. (1879).
Dumfries (1877).

Obituaries/biographies

Geological Magazine (1920) p. 239.

Ralph du Boulay Evans B.A.

1891 Born October 1st.

1914 Joined Survey as a Geologist. 14th August. Army service from 1914 to 1919.

1919 Resigned 17th March.

James Flanagan

1845 Joined Survey. Fossil Collector (Ireland). 24th May.

1859 Died Ballyhale Co. Kilkenny.

Frederick James Foot M.A., F.R.G.S.I.

- 1830 Born.
- Educated in Ireland (Trinity College, Dublin).
- 1854 Appointed Assistant Geologist, 1st August, Irish branch of Geological Survey. Sole or part contributor to 13 explanatory memoirs and surveyor of 30 sheets (7 sheets of sections).
- 1862 Appointed Geologist 1st April.
- 1867 Drowned in skating accident, Lough Key, January 17th while attempting to save life.

Visited Scotland, Germany, Sweden, Norway.

Publications

Papers to Natural History Society, Dublin:

“On the botany and marine zoology of Clare”; “On the mammalia of the west coast of that county”; “On the Little Auk taken alive at Athlone”; “On *Asplenium rata-mararia*”; “On flights of swans seen in Roscommon and Galway, winter 1863-4”; “On occurrence of *Hymenophyllum Tunbridgluse* in County Longford”; and “Stations of *Cystopteris fragilis* in the (Irish) Midland Counties”.

Papers to B.A.:

Geology of the neighbourhood of Tralee (1857). On the geology of Burren in County Clare (1862) (with botanical chart).

Paper to Transactions of the Royal Irish Academy:

On the distribution of plants in Burren, County Clare. (and other writings, geological, botanical, meteorological).

Obituaries/biographies

Geological Magazine (1867) p. 95 and 132.

Edward Forbes

- 1815 Born February 12th at Douglas, Isle of Man. School – Athole House Academy.
- 1831 Sent to London to train as artist but after 4 months went to Edinburgh University to study medicine. (Natural History under Jameson).
- 1834 Voyage to Norway.
- 1835 Toured France, Switzerland and Germany.
- 1836 Finally abandoned medicine for Natural History, without taking degree.
- 1838 Published “Malacologic Monensis” (Catalogue of Manx mollusca). Paper to British Association “On distribution of Terrestrial Pulmonifera in Europe”.
- 1839 Admitted to Wernerian Society. Read memoir on Starfishes of the Irish Sea. (Memoir Wernerian Society VIII).
- 1840 Papers to British Association “Pleistocene tract in the Isle of Man” etc.
- 1841 Mediterranean voyage with Captain Graves.
- 1842 Red Sea Expedition – abandoned for Chair of Botany at King’s College
- 1843 Elected Curator of Geological Society. Paper to Linnaean Society on Ofhiuridae of Aegean Sea.
- 1844 Government grant of £500 to assist publication of Aegean researches. Offered Fullerian Professorship.
Joined Geological Survey.
Resigned Geological Society Curatorship.
Worked with De la Beche, Ramsay and Warrington-Smyth in Breconshire.
Elected F.G.S. Lectured at Royal Institute, continued lecturing at King’s.
- 1845 Dredging in Shetland. Joined De la Beche in Wexford. Illness.
- 1846 Resumed lectures. Dredging between Southampton and Land’s End. Survey work in Wales – Bala. Published “Travels in Lycia”.
- 1847 Work in Ireland, London, Wales, etc.
- 1848 Arranging of exhibits in new Jermyn Street Museum. Papers to British Association.
- 1850 Lectures, new Museum work, etc. Cruise among Western Isles.

- 1844 Visited Isle of Wight with Lyell, Ramsay and Bristow. Museum opened May 12th. School of Mines opened November. Forbes became Lecturer in Natural History (retained professorship at King's). Visited Paris and Isle of Man. Survey duty in Ireland. 3rd volume of British Mollusca completed.
- 1853 Visited the Auvergne district.
- 1854 Natural History Professor at Edinburgh in succession to Jameson. Resigned Geological Survey; King's and President of Geological Society. Left London in May but returned in August to finish off survey work. In September President of Geological Section of British Association at Liverpool. Died in December.

Publications

List of works in Appendix to Memoir:

Memoirs Dec. No. 1 Echinoderms (1849)

No. 2 Trilobites (1849) with J.W. Salter.

No. 3 Echinodermata (1856)

No. 4 Echinodermata (1852)

No. 5. Echinodermata (1856) with S.P. Woodward and J.W. Salter.

Essays in volumes I and II part 2.

Isle of Wight, Tertiary, Fluvio-Marine Formation of. (1856).

Memoir. G. Wilson and A. Geikie.

James Grellier Forbes

1845 Joined Survey as Artist.

1857 Died.

(Sir) Clement Le Neve Foster D.Sc., F.R.S.

- 1841 Born March 23rd at Camberwell. Received early education at Boulogne and Amiens. Entered Royal School of Mines, then Mining College of Freiberg, D.Sc. at London University.
- 1860 Appointed Assistant geologist on Geological Survey. Worked in Wealden area, and Carboniferous of Derbyshire.
- 1865 Paper with Topley to Geological Society “On the Superficial Deposits of the Valley of the Medway”, with remarks on the “Denudation of the Weald”. Part-author of “Geology of North Derbyshire”(M.G.S.) 1869, with Green and Dakyns.
Retired from Geological Survey.
Specialised in mineralogy and mining.
Lectured in Cornwall. Visited important mineral districts abroad.
Papers to the Geological Society on Celestine in Egypt (with H. Bauerman), the Caratal Goldfield in Venezuela.
- 1872 Appointed Inspector of Mines under the Home Office. Served for 8 years in south-west England. Results in papers to Geological Society and Cornish Societies. Results of work in Annual Reports of Mines and Quarries issued by Home Office.
- 1880 Given charge of North Wales.
- 1890 Appointed Professor of Mining at Royal College of Science on death of Sir Warrington Smyth. “Ore and stone mining”; “The elements of mining and quarrying”. Became member of Royal Commission on Coal Supplies.
- 1892,3? Elected F.R.S.
- 1901 Retired from Home Office.
- 1903 Knighted.
- 1904 Died April 19th.

Obituaries/biographies

Geological Magazine (1904) P. 286

Proceedings Royal Society LXXV (1905) p. 371.

Charles Edward Fox-Strangways F.G.S.

- 1844 Born February 13th at Reive near Exeter. Son of Rev. Henry Fox-Strangways. Educated at Eton and University of Gottingen.
- 1867 Appointed Assistant Geologist of the Geological Survey. Fieldwork in West Yorkshire near Todmorden, and near Ingleton. Yorkshire Coalfield – Harrogate – across Vale of York to East Yorkshire. (For memoirs see Geological Magazine 1910, p. 237).
- 1889 Transferred to Midland Counties. Lived in Leicester till retirement. Memoir on Leicestershire Coalfield.
- 1892 General memoir on Jurassic rocks of Yorkshire.
- 1901 Promoted to District Geologist. Had important share in compiling “Bibliography of Yorkshire Geology”. Published by the Yorkshire Geological Society 1915.
- 1910 Died March 5th.

Publications

List of Memoirs and papers: Geological Magazine (1910) p. 237-8.

Obituaries/biographies

Geological Magazine (1910)p. 235.

Geology of Yorkshire, Kendall and Wroot. p. 307.

Charles Galvan

1855 Joined Survey (Ireland) as Fossil Collector 16th January.

1870 Retired in July. Died July 15th.

J.C. Gapper

1846 Joined Survey (Fossil Collector) 23rd October.

Archibald Geikie

- 1835 Born December 28th in Edinburgh. Educated at Edinburgh High School and University.
- 1855 Joined Geological Survey of Scotland.
- 1860 Accompanied Murchison to north-west and central Highlands.
- Early survey work with H.H. Howell in Haddington. Then mapped area in Midlothian west of the coalfield, from Arthur's Seat and the Pentlands to Bathgate Hills and north into Fife.
- 1861 Geologist.
- 1861 Joint paper with Murchison to Geological Society "On the altered rocks of the Western Islands of Scotland and the North-west and Central Highlands". Interpretation generally accepted till 1878 when controversy reopened. "Chronology of the Trap Rocks of Scotland" (T.R.S.E.)
- 1862 Important paper to Glasgow Geological Society "The Glacial Drift of Scotland" (1863).
- 1865 "Scenery of Scotland" (3 editions).
Mapped large areas of Old Red Sandstone in Midlothian, Lanark, Ayr, Fife, Perth and Kinross.
Made series of traverses in basin of Moray Firth, Caithness, Orkney, Shetland. Results embodied in "Old Red Sandstone of Europe" (T.R.S.E. 1878).
- 1867 Director for Scotland.
- 1867 Important paper to Royal Society suggesting Tertiary age of basaltic plateaux of Ireland, West of Scotland and Iceland. Visited the Auvergne, Eifel district and South Italy.
- 1871 Elected to newly-founded Murchison Professorship of Geology and Mineralogy at Edinburgh; resigned 1881.
- 1879 Paper to Transactions of the Royal Society of Edinburgh "Carboniferous Volcanic Rocks of the Firth of Forth".
Visited lava fields in Idaho on Pacific slope of US. (prior to lectures at Lowell Institute, Boston). Suggested similar origin for Tertiary volcanic plateaux of west. Europe.
- 1882 Director-General
- 1884 Geikie published new work and views (Peach and Horne) in "Nature"

November 13th.

1888 Memoir to Royal Society of Edinburgh “History of volcanic action during Tertiary Period in British Isles” (results of 25 years of work).

1901 Retired.

1924 Died 10th November.

Other works:

1861 “Life of Edward Forbes” (with Wilson).

1869 “Memoir of J.D. Forbes”.

“Life of Murchison”.

1880 “Text book of Geology”.

1887 “Geological sketches at home and abroad”.

1895 “Life of Ramsay”.

1897 “Ancient volcanoes of Great Britain”.

1904 “Scottish reminiscences” and “Primers on geology and physical geology. Class book of geology “Field Geology”.

1897 Lectures at John Hopkins University, Baltimore, afterwards published as “Founders of Geology”.

1924 Died November 10th.

Later works “Landscape in History”, and “Love of Nature among the Romans”.

Honours

Offices:

President Geological Society 1891,1892,1907; President British Association 1892; President of Royal Society 1908-1913; Trustee B.M.; Member of 1851 Exhibition Commissioners; Member of Council of British School of Rome; Governor of Harrow School 1892-1922; Chairman of Royal Commission on Trinity College, Dublin 1920.

Honours

F.R.S. 1865; Knighted 1891; K.C.B. 1907; O.M.1913; and Officier de la Legion d’Honneur; Associe Etranger de l’Institut de France; etc. Hon. Degrees from Edinburgh, Oxford, Cambridge, Dublin, Glasgow, Aberdeen, St. Andrews, Durham, Birmingham, Sheffield, Liverpool, Upsala, Leipzig, Prague, and Strasbourg.

Gold Medals from:

Geological Society; Royal Geographical Society of Scotland; Royal Society of Edinburgh; Royal Society of London; Institute of Mining and Metallurgy, Philadelphia Academy of Natural Sciences.

Publications

Memoirs:

E. Berwick (1963).

Turnberry Castle (1869).

Fife & Kinross (1900).

E. Fife (1902).

Also in part:

E. Lothian. (1866).

Edinburgh etc. (1861).

Peebles. (1869).

Ayr. (1869).

Girvan. (1869).

N. Ayrshire. (1872).

Central Lanarkshire. (1873).

Stranraer. (1873).

Whithorn, Burrow Head. (1873).

Sanquhar. (1871).

Dumfries. (1877).

N. Arran. (1903).

Airdrie etc. (1879).

N.W. Highlands. (1907). Editor.

Obituaries/biographies

Geological Magazine (1890) p. 49

Geological Magazine (1924) p.515

Times November 12th 1924

Proceedings Royal Society B. XCIX (19126) p. i.

James Geikie LL.D., D.C.L.(Dunelm), F.R.S.(L.X.E.), F.G.S.

- 1839 Born August 23rd in Edinburgh. Educated at Edinburgh High School and University.
- 1861 Entered Geological Survey.
- 1866 Paper to Royal Society Edinburgh “On the buried forests and peat-mosses of Scotland and the changes of climate which they indicate”.
Survey work chiefly in the Lowlands and bordering tracts of Southern Uplands and Highlands – including mapping of Silurian, Old Red Sandstone, Carboniferous and associated igneous rocks.
Holidays devoted to study of glacial phenomena.
- 1867 Promoted to Geologist.
- 1869 District Surveyor. Engaged in resurveying of ground for mapping of drift and peat deposits (hitherto omitted from survey maps).
- 1871-2 Series of papers to Geological Magazine “On changes of climate during the Glacial Epoch”.
- 1874 “The Great Ice Age” published.
- 1882 Resigned from Survey.
Appointed to Chair of Geology at Edinburgh University in succession to A. Geikie. Prepared new text book “Outlines of Geology” (1884).
Set himself to reform teaching geography in schools – Scottish Geographical Society formed for the purpose in 1884.
- 1884 “Prehistoric Europe”.
- 1904 Elected President of Scottish Geographical Society. Resigned after 6 years and was awarded the Gold Medal of the Society. For many years acted as Hon. Editor of the “Scottish Geographical Magazine”.
- 1898 Text book: “Earth sculpture or the origin of land-forms”.
- 1891-4 Convenor of Science Degrees Committee at Edinburgh University.
- 1894 Elected Dean of the Faculty of Science. Twice elected President of a section of British Association (Geography and Geology). Delivered course of lectures at the Lowell Institute in Boston.
- 1889 Received Brisbane Medal from Royal Society Edinburgh. And Murchison Medal from Geological Society London.

- 1894 3rd edition of “Great Ice Age” (largely rewritten).
- “1913 Mountains, their origin, growth and decay”.
- 1914 “The Antiquity of man in Europe” published form of Munro Lectures in
Archaeology delivered at Edinburgh University).
- 1914 Resigned Professorship, continued President of Royal Society Edinburgh and
Hon. Editor of Scottish Geographical Magazine.
- 1915 Died March 1st.

Publications

List of publications: Geological Magazine (1913) pp 245-248.

Memoirs:

Contributed to “Girvan” (1869); “Ayr” (1869); “Peebles” (1869); “North Ayrshire” (1872);
“Central Lanark” (1873); “Airdrie” etc. (1879).

Obituaries/biographies

Geological Magazine (1915) p. 192

Geological Magazine (1913) p. 241

Geology of Yorkshire, Kendall and Wroot p. 438.

Richard Gibbs

- 1843 Joined Survey (Fossil Collector). 8th July.
- 1872 Retired. 26th January.
- 1878 Died January 13th.

Walcot Gibson D.Sc., F.R.S.(L and E).

- 1864 Born August 24th. Educated at Bromsgrove School; Mason Science College; and Royal College of Science.
- 1889-91 Geological work in South Africa.
- 1891-93 Geological work in East Africa.
- 1893 Joined Survey.
1901 Geologist.
- 1913 District Geologist.
- 1920 Assistant to Director.

Assistant Director, Scotland.
- 1925 Retired.
F.R.S.
- 1941 Died 28th November at Cambridge.

Publications

Geology of Coal and Coal Mining.

Coal in Great Britain.

Papers and contributions to Memoirs:

Special Report Mineral Resources vol. VII (1918) Mineral oil.

Special Report Mineral Resources vol. XIII (1920) Iron ores.

Special Report Mineral Resources vol. XXIV (1922) Cannel coals.

“Derbyshire Coalfield” (1913)

“North Staffordshire Coalfields” (1905)

South Wales Coalfield” II. Abergavenny (1900)

“ “ “ IV Pontpridd (1917)

“ “ “ V Methyr Tydfil (1904)

“ “ “ VIII Swansea (1907)

“Melton Mowbray” (1909)

“Lichfield” (1919)

“Yorkshire and Nottingham Coalfield” (1913)

“Edinburgh” (1910); “Nottingham” (1910); “Macclesfield” (1906); “Coventry” (1923);

“Ollerton” (1911); “Stoke-upon-Trent (1905); “Derbyshire and Nottinghamshire Coalfield” (1908); “Newark and Nottingham” (1908)

John George Goodchild F.G.S.

- 1844 Born May 26th near London.
- 1867 Joined Geological Survey. For some years worked in the north of England, particularly Lake District, then moved to Jermyn Street office.
- 1874 Wollaston Fund.
- 1887 Transferred to Scotland, in charge of survey collections in Royal Scottish Museum. 1889 Curator.
Later took charge also of Museum mineral collection, led to special study of mineralogy.
Edited Heddle's "Scottish Mineralogy".
Became widely known as lecturer in geology.
Contributed to papers (>200) on a variety of subjects to different societies).
- 1906 Died February 21st in Edinburgh.

Publications

Memoirs: Contributed to "Mallerstang" (1891) "Ingleborough" (1888) "Appleby" (1897).

Obituaries/biographies

Geological Magazine (1906) p. 189

Hist. Geol. Society Glasgow (1908) p. 249

Geology of Yorkshire, Kendall and Wroot p. 437

Charles Gould

1857 Joined Survey. 16th July.

1859 Resigned 31st March. Appointed to Geological Survey of Tasmania 1st April.

George Walter Grabham B.A., F.G.S., O.B.E., Order of the Merijidie, Order of the Nile.

- 1882 Born June 28th. Educated at U.C.S. and Cambridge
- 1903 Joined Survey. Worked in Scotland. Contributed to following Memoirs: "Knapdale" (1911); "Ben Nevis" (1916); "Edinburgh" (1910); "Glasgow" (1911).
- 1906 Resigned from Survey. Appointed to geological post under Anglo-Egyptian Sudan Government. Work chiefly in connection with water supplies and irrigation.

Obituaries/biographies

"The Gower", July 1931. P. 150

Alexander Henry Green M.A., F.R.S., F.G.S.

- 1832 Born October 10th, Maidstone. Son of Rev. T.S. Green, classical scholar and Master of Ashley-de-la-Zouche Grammar School. Educated at Ashley Grammar School and at Gonville and Caius College, Cambridge.
- 1858 6th Wrangler. Elected Fellow of his College.
- 1861 Appointed Assistant Geologist with the Geological Survey (1867 Geologist). Worked in Midland Counties on Jurassic and Cretaceous, also Carboniferous of Derbyshire and Yorkshire etc.
- 1874 Retired from Survey. Appointed to Professorship of Geology at Leeds (Yorkshire College). Completed official survey work after appointment.
- 1876 Published "Manual of Physical Geology" (3rd edition 1883).
- 1875 Professor of Mathematics at Leeds (in addition to Geology). For several years held Lectureship in Geology at School of Military Engineering at Chatham.
- 1886 Elected F.R.S.
- 1888 Appointed Professor of Geology at Oxford (successor to Prestwich).
- 1890 President Geological Section, British Association, Leeds.
Examiner to London University, Science and Art Department (Asst), Durham University, Home and Indian Civil Service.
- 1896 Died August 19th near Oxford

Publications

Memoirs:

"Banbury" (1864)

"Stockport" (1866) with E. Hull.

"Tadcaster" (1879) with Aveline, Dakyns, C. Ward, Russell.

"Dewsbury" (1871) with Dakyns, C. Ward, Russell.

"Barnsley" (1878)

"Wakefield" (1879)

"North Derbyshire (1869) Le Neve Foster and Dakyns. 2nd edition (1887) with Strahan.

"Yorkshire Coalfield" (1878) with Russell, Dakyns.

"Part of Yorkshire Coalfield" *1869) with Dakyns and C. Ward.

Papers:

"Carboniferous rocks of North of England".

"Sub-aerial denudation".

"Geology of Donegal".

"Geology of Malvern Hills".

Books:

Essays upon Scientific Subjects.

Birth and Growth of Worlds.

Manual of Physical Geology.

Edward Greenly D.Sc.

- 1861 Born December 3rd at Bristol.
- 1889 Joined Survey (8th July).
- 1895 Resigned 22nd March.
- 1920 Lyell Medal.
- 1951 Died 4th March.

Publications

Anglesey Memoir 2 vols. (1919).

Contributed to “Fannich Mountain” (1913).

Obituaries/biographies

Nature 167 1951 p. 545.

William Gunn

- 1837 Born September 27th.
- 1867 Joined Survey under Murchison. Worked on Carboniferous of West Yorkshire, Durham and Northumberland.
- 1884 Promoted to Geologist and transferred to Scotland. Worked in Bute and subsequently in North-west Highlands. Later surveyed in Arran, first to prove Tertiary vent.
- 1901 Appointed District Geologist.
- 1902 Retired in September. Died on October 24th.

Publications

Author of Survey Memoirs:

Belford, Holy Isle and Farne Islands (1900).
Coast south of Berwick-upon-Tweed (1897).
Norham and Tweedmouth (1897).
Joint Author of Survey Memoirs:
Wooler and Coldstream (1895).
Ingleborough (1888).
Cowal in Argyll (1897).
North-west Highlands (1907).
Burnley Coalfield (1875).
North Arran (1903).
Fannich Mountains (1913).
Ben Wyvis (1912).

Contributed papers to Transactions Edinburgh Geological Society; Berwick Naturalist Club; Glasgow Geological Society, Geological Society London; and Geological Magazine.

Obituaries/biographies

Geological Magazine (1902) p. 576

G. Hallett

1850 Joined Survey 1st April.

J. Haragan

1845 Joined Survey (Ireland). Fossil Collector.

Edward Townley Hardman F.C.S., F.R.G.S.I., etc.

- 1845 Born April 6th descended from old Drogheda family. Received early education in Drogheda. Won Government Exhibition and entered Royal College of Science, Dublin 1867. Obtained Diploma in mining etc.
- 1870 Appointed to Geological Survey of Ireland 15th July.
- 1871 Elected F.G.S.I.
- 1874 F.C.S. Prepared memoir of Geology of Coalfields of Kilkenny and Tyrone and paper on Geology of North of Ireland.
Also keen antiquary and communicated papers to Royal Irish Academy.
- 1883 Selected by Colonial Office to examine and report on geology and mineral resources of the Kimberley district of W. Australia. Discovered extensive goldfield in vicinity of Napier Range.
- 1885 Returned home.
- 1886 Assisted in arrangement of rocks, fossils and minerals sent by W. Australia for the Colonial and Indian Exhibition in London. Returned to duties on Irish Survey.
- 1887 Died April 30th at Dublin.

Publications

List of papers: Geological Magazine (1887) p. 335,336.

Obituaries/biographies

Geological Magazine (1887) p. 334.

Alfred Harker M.A., LL.D., F.R.S.

- 1859 Born February 19th at Hull.
- 1878 Entered St. Johns College, Cambridge as maths student. Became one of the first members of the Sedgwick Club.
- 1882 8th Wrangler in Maths Tripos. Became demonstrator and later lecturer in Geology at Cambridge.
- 1885 Elected Fellow of St. Johns.
Field work in North Wales: cleavage structure of slates; Ordovician igneous rocks. Results of later work embodied in Sedgwick Prize Essay 1888.
- 1889-93 Vacations spent in Lake District with Marr. Papers on Shap Granite and on Carrick Fell Intrusions.
- 1895 Appointed Assistant Geologist on Geological Survey of Scotland 9th May. For 10 years engaged in investigating Skye and small islands.(Memoirs: “Tertiary large rocks of Skye” (1904); “Small Isles” (1908); “West central Skye” (with Clough 1904)).
- 1901 Promoted to Geologist.
- 1902 F.R.S.
- 1905 Resigned from Survey for extra teaching duties at Cambridge in new Sedgwick Museum, and charge of petrological section of museum.
- 1907 Murchison Medal. (Wollaston Fund 1896).
- 1916-18 President Geological Society.
- 1922 Wollaston Medal.
- 1935 Royal Medal.
- 1939 Died 28th July.

Publications

List of writings: Geological Magazine (1917). pp292-4.

Contributed to Memoirs on :

“Glenelg” (1910); “North Arran” (1903); “Seaboard of Mid-Argyll” (1909).

Obituaries/biographies

Geological Magazine (1917) p. 289.
Obituary notices of the Royal Society.
Nature 144 1939 p. 316.
The Eagle 51 1939 p. 273.

Charles Edward Hawkins

- 1847 Born August 31st.
- 1869 Joined Survey.
- 1896 Transferred from field to office work (health).
- 1901 Retired.
- 1917 Died October 1st.

John Hay

1859 Joined Survey 1st April.

1861 Resigned. 19th March.

E.J. Hebert

1875 Appointed Assistant Geologist.

1880 Resigned 21st March.

Arthur Henfrey

- 1819 Born November 1st at Aberdeen of English parents. Studied medicine at St. Barts. Hospital.
- 1843 Became Member of College of Surgeons. Unable to practice on account of delicate health, so devoted himself to study botany.
- 1845 Joined Survey. Resigned in 1846. (Found in Staff Register).
- 1847 Appointed Lecturer on Botany at St. George's Hospital.
- 1854 Succeeded Edward Forbes in Chair of Botany at King's. Examiner in Natural History to Royal Military Academy and Society of Arts.
- 1859 Died September 7th.

Publications

Papers in "Transactions Royal Society", "Transactions Linnean Society", "Annals and Magazine of Natural History", Journal of the Agricultural Society".

Translations and abstracts of foreign memoirs to Natural History journals and reviews and critical notices of botanical works.

Edited the "Journal of the Photographic Society" for 3 years.

From 1858 onwards, helped to edit new series of "Annals of Natural History".

"Elementary Course of Botany" (1857), last and most important treatise on botany.

Obituaries/biographies

Proceedings Royal Society X (1860) pXVIII.

George Henfrey

1845 Joined Survey 1st July.

1846 Resigned 5th January.

John Bastian Hill R.N., F.G.S.

- 1861 Born December 28th, son of George Hill of Tregassick, Cornwall, kinsman of J.H.C. Bastian the advocate of abiogenesis. 6 years service in the Navy. Retired to study geology at University College London and Royal School of Mines.
- 1884 Entered Geological Survey as Assistant Geologist. First fieldwork in Argyllshire. Contributed to Memoirs: “Seaboard of Argyll” (1909), “Mid-Argyll” (1905), “Knapdale” (1911), “Cowal” (1897), “Oban” (1908). Paper in Quarterly Journal “Progressive Metamorphism in region of Loch Awe”.
- 1897 Transferred to Cornwall. Lived at Falmouth and worked on the Killas of North Meneage and parts of west of Falmouth. Recognised 4 lithological units of the Killas which he termed Portcatho, Mylor, Veryan and Falmouth divisions. Given charge of official enquiry into mines and lodes of West Cornwall. Memoirs: “Camborne and Falmouth” (with MacAlister, 1906); “Lizard (1912).
- 1901 Promoted to Geologist. Transferred to the Midlands and surveyed small area around Ollerton and Lichfield. Contributed to “Lichfield” Memoir (1919), “Ollerton” (1911) and “Derbyshire Coalfield” (1913).
- 1911 Resigned from Survey. Appointed Geological Advisor to Local Government Board (1911 – 22), chief work on underground water supply.
- 1913 Awarded Bolitho Gold Medal from Royal Geological Society of Cornwall.
- 1927 Died December 18th.

Obituaries/biographies

Quarterly Journal (1928) pLVII.

Proceedings Geologists Association (1928) p202.

Lionel Wordsworth Hinxman B.A., F.R.S.E.

1855	Born March 21 st , son of Rev. C. Hinxman. Educated at Cheltenham College and Christs College, Cambridge.
1877	B.A. Maths Tripos.
1883	Joined Survey as Assistant Geologist.
1901	Promoted to Geologist.
1905	District Geologist.
1918	Retired.
1936	Died.

Publications

Various papers in “Transactions Royal Physical Society” and “Transactions Edinburgh Geological Society”.

Contributions to Memoirs:

“West Aberdeenshire” (1896)

“Central Aberdeenshire” (1890)

“Lower Strathspey” (1902)

“Central Coalfield of Scotland” Areas II, IV, V, VI, IX. (1917,1920,1916,1923,1921)

“Glasgow” (1911)

“Edinburgh” (1910)

“North-west Highlands” (1907)

“Moor of Rannoch” (1923)

“Upper Strathspey” (1913)

“Mid-Strathspey” (1915)

“Braemar” (1912)

“Central Ross” (1913)

“Beaully of Inverness” (1914)

“Lower Findhorn” (1923)

“Fannich Mountains” (1913)

“Ben Wyvis” (1912)

Obituaries/biographies

Who’s Who (1929)

Augustus Wilhelm Hofmann F.R.S.

- | | |
|-----------|---|
| 1818 | Born 8th April at Giessen, Germany |
| 1845-1865 | Professor of Chemistry, Royal Holloway College of Chemistry (Royal School of Mines 1883-) |
| 1851 | F.R.S. |
| 1854 | Royal Medal. |
| 1855 | Warden at the Royal Mint. |
| 1864 | Professor of Chemistry, Berlin. |
| 1875 | Copley Medal. |
| 1892 | Died 8 th April at Berlin. |

Obituaries/biographies

Dictionary of Scientific Biography v.6 p. 461.

W.H. Holloway

- 1869 Joined Survey 14th July. Field work under Judd on Lias and Oolites of Rutland. Subsequently employed in mapping Jurassic and Drift of Lincolnshire and Nottinghamshire, especially in neighbourhood of Grantham and Sleaford.
- 1880 Died April 17th.

Obituaries/biographies

Geological Magazine (1880) p. 336

Thomas Vincent Holmes

- 1840 Born May 18th.
- 1868 Joined Geological Survey. Worked in Carlisle district. Memoir – “Carlisle” (1899). Took part in mapping of Yorkshire Coalfield with A.H. Green. Contributed to memoir on Yorkshire Coalfield (1878). Later in south-east Counties (recorded new exposures).
- 1879 Resigned from Survey.
Contributed papers to Geologists Association and Essex Field Club; also Transactions of the Cumberland Association and Essex Naturalist.
- 1886-8 President of Essex Field Club
- 1916 Last association with Survey. Large share in compilation of Memoir “On Thicknesses of Strata” (1916).
- 1923 Died January 24th.

Obituaries/biographies

Nature (Feb 17th 1923) p. 229

Sir Joseph Dalton Hooker O.M., G.C.S.I., M.D., D.C.L., LL.D., F.R.S., F.G.S. etc

- 1817 Born June 30th at Hallsworth in Suffolk. Son of Sir William Jackson Hooker. His mother was daughter of Dawson Turner, F.R.S., botanist and antiquary. Sir William Hooker became Professor of Botany at Glasgow University and subsequently Director of the Royal Gardens at Kew. J.D. Hooker was educated at Glasgow High School and University.
- 1839 M.D.
Appointed assistant surgeon and naturalist on board H.M.S. "Erebus" in expedition conducted by Sir James Clark Ross to the Antarctic Regions 1839-43. Botanical observations published in 6 volumes (1844-60) – dealt also with New Zealand and Tasmanian flora.
- 1846 Appointed Botanist to Geological Survey, under De la Beche. Published essay "On vegetation of the Carboniferous period, as compared with that of the present day". Papers in M.G.S.. vol. II part ii 1848, on structure of Stigmaria and of some Lepidostrophi.
- 1846 Elected F.G.S. (Member of Council 1852-6 and 1860-2, contributed papers to Geological Society on fossil plants).
- 1847 Resigned from Geological Survey for botanical study in India (1847-51). Results published in "Himalayan Journals" (2 volumes, 1854).
- 1847 Elected F.R.S. President Royal Society and ex officio and Trustee of the British Museum 1873-78. Medals: Royal Medal (1854); Copley Medal (1887); Darwin Medal (1892).
- 1855 Appointed Assistant Director of Kew Gardens.
- 1859 Memoir published "On the flora of Australia, its origin, affinities and distribution, being an introductory essay to the Flora of Tasmania".
- 1860 Expedition to Syria and Palestine – botanical work and observatories on glacier moraines).
- 1865 Appointed Director of Kew Gardens (on death of his father).
- 1868 President of British Association at Norwich.
- 1871 Explored parts of Morocco and the Great Atlas with John Ball F.R.S. and George Maw.
- 1877 Visited the Rocky Mountains and California.
- 1885 Resigned Directorship of Kew Gardens.

“Index Kewensis” prepared under his direction by Dr. B. Daydon Jackson.
Edited “Journal of Sir Joseph Banks” (left during Captain Cook’s first voyage).

1911 Died December 10th at Sunningdale, Berkshire.

Obituaries/biographies

Geological Magazine (1912) p. 47

Life and Letters by L. Huxley (1918).

John Horne

- 1848 Born January 1st at Campsie in Stirlingshire. Educated at Glasgow High School and University (studied under Lord Kelvin).
- 1867 Assistant Geologist, Geological Survey, Scotland (on establishment of Survey). First field work under Peach. (Silurian of Dumfries and Kirkcudbright).
- 1873 Spent leave examining Old Red Sandstone and glacial deposits of the Isle of Man.
- 1874 Results in paper to Transactions Edinburgh Geological Society. With R.L. Jack studied glacial phenomena of Theiss and Pruth valleys.
- 1877 Results in paper "Glacial Drift in North-east Carpathians", Quarterly Journal. 1876, 1880 and 1881
Tours with Peach in Shetland, Orkney and Caithness, papers (with Peach) "Glaciation of Shetland Islands (Quarterly Journal 1879); "Glaciation of Orkney Islands (Quarterly Journal 1880); "Glaciation of Caithness" (Proceedings Royal Physical Society Edinburgh 1881); "Old Red Sandstone of Orkney" (Proceedings Royal Physical Society Edinburgh 1880). Borolonite with Teall ?date).
- 1877 Transferred from Dumfries to Nairn and Inverness (till 1883). Mapped area of metamorphic rocks and Old Red Sandstone in basin of Moray Firth.
- 1883 Sent to Durness with Peach. Followed work of Lapworth independently and arrived at same conclusions on geological history and structure of the North-west Highlands. (A. Geikie recanted previous conclusions and controversy ended). (Gunn, Clough, Cadell, Greenly and Hinxman also worked with Peach and Horne).
- 1888 Wollaston Fund from Geological Society.
- 1888 "Report on recent work of the Geological Survey in North West Highlands". (QJ?)
- 1891 Discovery of Olenellus fauna.
- 1892 Paper in Quarterly Journal (Peach and Horne) "Olenellus Zone in North West Highlands".
Murchison Centenary Fund (with Peach).
- 1892 or 3 Neill Prize of Royal Society of Edinburgh.
- 1896 Paper with E. Greenly on Foliated Granites of Strath Holladale in East

- Sutherland. (Quarterly Journal).
- With Peach and Macconochie carried out revision of areas in Southern Uplands (following researches of Lapworth).
- 1899 Murchison Medal (with Peach, 1899).
- 1899 Memoir: "Silurian rocks of Scotland".
- 1901 Appointed Assistant Director in Edinburgh.
- 1903 Contributed monograph (with Peach) on the Canonbie Coalfield to Transactions Royal Society Edinburgh.
- 1907 "North-west Highlands" memoir published.
- 1910 "Scottish Lakes in relation to geological features of the country", joint contribution with Peach to Murray and Pullar's "Bathymetrical Survey of Scottish Freshwater Lochs".
 Edited Edinburgh and Glasgow Memoirs. Also contributed to Memoirs on "Glenelg" (1910); "Central Ross" (1913); "Fannich Mountains" (1913); "Beauly, Inverness" (1914); "Caithness" (1914); "Mid-Strathspey" (1915); "Lower Findhorn" (1923).
 With Peach wrote Handbook to Geological Model of Assynt".
- 1900 Elected F.R.S.
- 1901 President of Geological Section of British Association in Glasgow. "Recent advances in Scottish Geology"
- 1901 LL.D.(Aberdeen).
- 1911 Retired from Survey. LL.D. (St. Andrews). President Glasgow Geological Society (1911-14).
- 1912 Peach conducted British Association excursion to North-west Highlands.
- 1915-19 President Royal Society Edinburgh.
- 1917 Results of investigations with Peach on bone-caves of Allt nan Uamh, near Inchnadamff, communicated to Royal Society Edinburgh.
- 1921 or 20 LL.D. (Edinburgh). Wollaston Medal (with Peach). Engaged with Peach in preparation of volume on Geology of Scotland. Unpublished at his death (Peach died 1926).
- 1928 Died May 30th.

Publications

List of Memoirs: Lower Findhorn (1923); Silurian rocks of Scotland (1899); Guide to Assynt Model (1914); North-west Highlands (1907); Kirkcudbright (1896); Glenelg (1910); Central Ross (1913); Fannich Mountains (1913); North-west Dumfries (1871); Beaully, Inverness (1914); North-east Kirkcudbright (1877).

Contributions to: Caithness (1914); East Lothian (1910); Edinburgh (1910); Mid-Strathspey (1915).

Pierce Hoskins

1854 Fossil Collector and General Assistant (Ireland) 1st Oct.

1855 Resigned January.

Henry Hyett Howell

- 1834 Born July 13th at Prinknash Park, Gloucester. Son of T.J. Howell, Judge Advocate at Gibraltar. Educated at the College School, Gloucester and King's College, London. Took "Applied Science", including geology, under D.T. Ansted.
- 1850 Joined Geological Survey as Assistant Geologist. Worked in the Midlands, also North Gloucester, contributed to Memoir on Geology around Cheltenham (1851).
- 1855 Transferred to Scotland. Worked in Berwick, Haddington, and Edinburgh. Mapped Mid and East Lothian and Fife Coalfields.
- 1857 Promoted to Geologist.
- 1859 Memoir "Warwickshire Coalfield".
- 1860 Memoir "Part of Leicestershire" (with Aveline).
- 1861 Memoir "Neighbourhood of Edinburgh" (with Geikie). Transferred to England. Mapped Jurassic rocks in Northants, Bedford and Huntingdon (1inch).
- 1866 Memoir "East Lothian" (with Geikie and Young). Also 6inch maps of Edinburgh and Haddington Coalfields. Began survey of Northumberland and Durham Coalfield.
- 1867 Took over superintendence of work in north-east Counties.
- 1869 Gave evidence on Northumberland and Durham Coalfield before Royal Commissioners.
- 1872 Made District Surveyor.
- 1882 Made Director for Scotland.
- 1888 Made Director for Britain. Mapping of the Isle of Man commenced.
- 1899 Retired.
- 1915 Died.

Obituaries/biographies

Geological Magazine (1899) p. 433

QJGS 1916 p. lx

Thomas McKenny Hughes M.A., F.R.S.

- 1832 Born at Aberystwyth. Son of Bishop of St. Asaph, brother of Bishop of Llandaff, grandson of Sir Thomas McKenny, Bart. Educated at Leamington and Llandovery Colleges and Trinity College, Cambridge (1853-7). Associate of Ray Club, and attended Sedgwicks' lectures at the Woodwardian Museum. Took degree 1857.
- 1860 Appointed Secretary to C.T. Newton, Consul in Rome.
- 1861 Acting Consul in Rome.
- 1861 Invitation from Murchison to join Geological Survey. Appointed Assistant Geologist. Work, mapping of chalk and limestone, Eocene in the Medway Valley and near Faversham and Sittingbourne. Results published in Whitaker's Memoir on London Basin (1872).
- 1862 Elected F.G.S.
- 1865-6 Work near Hertford and St. Albans. Described drift-gravels of "Lower Plain" and "Higher Plain"
- 1866 Transferred to Lake District (Aveline and Sedgwick).
- 1867 Published views in Silurian supporting Sedgwick's (Geol. Magazine). Results of field work in memoirs on "Kirkby Lonsdale and Kendal"(with Aveline and Tiddeman)(1872) and "Kendal, Sedbergh, Bowness and Tebay" (with Aveline)(1872).
- 1867 M.A. degree.
Promoted to Geologist.
- 1873 Elected to Chair of Geology at Cambridge on death of Sedgwick.
- 1875 Elected President of Chester Society of Natural Science.
Also President of Kendal Literary and Scientific Society.
Continued field work chiefly in Wales.
- 1889 Elected F.R.S.
- 1890 "Life and Letters of Sedgwick" 2 volumes. (Clark and Hughes)
- 1891 Lyell Medal.
- 1904 Sedgwick Mueum opened.
- 1917 Died June 9th.

Publications

List of papers : Geological Magazine (1906) p.10-13

Obituaries/biographies

Geological Magazine (1906) p. 1

Geological Magazine (1917) p. 334

Geology of Yorkshire, Kendall and Wroot p. 3

Edward Hull M.A., LL.D., F.R.S. etc.

- 1829 Born May 21st in Antrim of Irish stock. Educated at Trinity College, Dublin; took B.A. and Engineering Diploma. Attracted to geology by Thomas Oldham, through him joined Geological Survey 1850.
First field work in North Wales under J.B. Jukes.
Then in Gloucester, Thames Valley and the coalfields of Cheshire and Lancashire.
- 1867 Geological Survey of Scotland formed as separate branch and Hull appointed District Surveyor and second in command.
Stationed at Glasgow, mapped Clyde coalfield.
Elected to F.R.S.
- 1869 Appointed to succeed Jukes as Director of Geological Survey of Ireland (post held until retirement).
Prepared new general geology map of Ireland, 8 miles = 1 inch, completed 1 inch maps and descriptive memoirs.
Also held Professorship of Geology in Royal College of Science, Dublin.
- 1883 Sent to Palestine by Palestine Exploration Society.
- 1890 Murchison Medal.
- 1890 Retired from Survey. Lived in London, continued writing.
Member of Coal Commission of 1901-5.
- 1910 Published "Reminiscence of a strenuous life".
- 1917 Died October 18th.

Publications

List of writings in Appendix to "Reminiscences":

Memoirs: "Midland Counties" (1869); "Burnley Coalfield" (1875, with others); Leicestershire Coalfield (1860); "Parts of Oxfordshire and Berkshire" (1861, with Whitaker); "Parts of Wiltshire and Gloucestershire" (1858, with others); "Cheltenham" (1857); "Woodstock, Prescot, Lancs." (1882); "Altrincham, Cheshire" (1861); "Oldham" (1864).

Obituaries/biographies

Geological Magazine (1917) p. 553

Proceedings Royal Society XC p. xciii

"Reminiscences" E. Hull (1910)

Geology of Yorkshire, Kendall and Wroot (1914) p. 262.

Robert Hunt F.R.S.

- 1807 Born September 6th at Devonport (“Plymouth Dock”), son of naval officer lost with H.M.S. “Moucheron” in Grecian Archipelago. Apprenticed to surgeon in London and attended lectures on anatomy, but medical training never completed (ill-health). Druggists’ assistant for 10 years.
- 1840 Became Secretary to Royal Cornwall Polytechnic Society at Falmouth. Carried out researches on light and photography – discovered new processes. Numerous papers (1831-54) in Philosophical Magazine or to British Association. (1844 “Researches on light – Manual of photography (6 editions)). With R.W. Fox in Cornwall investigated electrical phenomena of mineral veins and air in Cornish mines.
- 1845 Succeeded T. Jordan as Keeper of Mining Records at recently established Museum in Craig’s Court.
- 1851 Appointed Lecturer on Mechanical Science on establishment of Royal School of Mines.
- 1853 Resigned Mechanical science lectureship to Professor Willis, undertook lectureship in Physics (held for a short time).
- 1854 Elected F.R.S. Chief work lay in collection and collation of British mining and metallurgical statistics. From 1853 till abolition of Keepership, published annual “Mineral Statistics”.
- 1866 Member of Royal Coal Commission – undertook statistics, published detailed information on British Coal resources. Established local mining schools in west of England. Founded “Miners Association of Cornwall and Devon” (later amalgamated with Mining Institute). Edited Dictionary of Arts after death of Dr. Ure, 5th, 6th, 7th editions (1860, 67, 75).
- 1883 “British Mining”. Retired.
- 1887 Died.

Publications

Literary work in addition to technical e.g. “Poetry of Science”; “Panthea, or the Spirit of Nature”; “Romances of west of England”.

Obituaries/biographies

Proceedings Royal Society XLVII (1890) p. i
Nature (November 3rd, 1887) p.14

Thomas Henry Huxley P.C., D.C.L.(Oxon), LL.D.(Cantab. Edin. and Dublin), M.D.(Wurzb), Ph.D.(Breslau), F.R.C.S., F.R.S., F.L.S., F.G.S., F.Z.S. etc.

- 1825 Born May 4th at Ealing. Sent to school of Dr. Nicholson at Ealing, where his father was second master. Apprenticed to brother-in-law, Dr. Salt, at London practice when only 13 or 14.
- 1842 Entered Charing Cross Hospital with scholarship.
- 1845 1st class M.D., Hon. in physiology.
- 1846 Appointed Assistant Surgeon to H.M.S. "Victory", then H.M.S. "Rattlesnake" commissioned to survey passage within Great Barrier Reef, 1847-50. Initiation of scientific career (results published in Transactions Royal Society and Linnaean Society).
- 1850 Returned to England.
- 1851 Elected F.R.S.
- 1852 Received Royal Medal of Royal Society.
- 1854 Appointed Professor of Natural History, including palaeontology, in Royal School of Mines, and Curator of Fossils in Jermyn Street Museum, (Also appointed Fullerian Professor of Physiology and Comparative Anatomy to London University). Commenced coast survey at Tenby.
- 1856 Accompanied Tyndall in first visit to the Alps; produced joint paper on "Glacial Phenomena" (Phil. Trans.1857).
- 1858 Appointed Croonian Lecturer to Royal Society. Subject "The Theory of the vertebrate skull".
- 1859 Monograph on "Ocean Hydrozoa", published by Royal Society.
- 1860 Course of lectures to working-men, Jermyn Street, subject: "The relation of man to the lower animals".
- 1862 Secretary to Geological Society, President of section D, British Association.
- 1863 "Evidence of man's place in nature" published – excited great popular interest.
- 1863 Hunterian Professor of Comparative Anatomy in Royal College of Surgeons (held till 1870).
- 1869-70 President Ethnological Society.

- 1870 President of British Association.
Elected member of the London School Board, retired 1872.
- 1871-80 Secretary of Royal Society.
- 1872 Elected Lord Rector of Aberdeen University for 3 years, installed 1874.
- 1875-6 Lectured at Edinburgh University in absence of Wyville Thompson.
- 1876 Visited America and lectured there. Received Wollaston Medal.
- 1883 Appointed Rede Lecturer at Cambridge.
- 1883-5 President of Royal Society.
- 188 Copley Medal from Royal Society.
- 1892 Member Privy Council.
- 1894 Darwin Medal from Royal Society.
- 1895 Died June 29th.

Honours

Other Offices:

Fellow Governor of Eton College.

Trustee B.M. (Elected 1887).

Member of Senate, University of London.

Government and Royal Commissions – Science; Fisheries; Contagious Diseases; Vivisection; Scottish Universities; etc.

1881-5 – Inspector of salmon fisheries.

Dean and Honourable Professor of Biology in Royal College Science; South Kensington.

For honours conferred and list of published works: Geological Magazine (1895) p. 340, also Appendix III and IV. Life and Letters of T.H. Huxley.

Publications

Survey Publications:

Figures and descriptions illustrative of British organic remains:

Dec No.10 Fishes..... (1861)

Dec No.12 Fishes..... (1866)

Dec No. 13 Fishes..... (1872)

Monographs:

No. I. On the genus *Pterygolus* (1859) with J.W. Salter.

No.II. On the structure of the Belemnitidae (1864).

No.III The crocodylian remains found in the Elgin Sandstones... (1877).

Obituaries/biographies

Proceedings Royal Society LXX (1896) p. xlvi

Geological Magazine (1895) p. 337.

[Also typescript letter attached to ms.]

John Shearson Hyland Ph.D.(Leipzig)

- 1866 Born at Liverpool.
- 1888 Joined Survey (as Petrologist in Ireland).
- 1890 Assistant Geologist 1st September.
- 1891 Dismissed.
- 1898 Died April 19th at Elmina, W. Africa.

Levett Landon Boscawen Ibbetson

- 1841 Mentioned in address by Buckland (Proceedings Geologist Association iii. p. 476) in connection with a photogenic process for rapidly producing perfect drawings of fossil shells on metal; I plates...
- 1846 Joined Survey.
- 1849 Author of "Notes on the geology and chemical composition of the various strata in the Isle of Wight".
- 1869 Died.

Obituaries/biographies

History of Geological Society H.B.W. p.147.

Proceedings Geological Society London p. xli.

QJGS v. 26, 1870 p. xli.

Duncan Robertson Irvine

- 1852 Born April 2nd.
- 1868 Joined Survey 1st May.
- 1882 Resigned 10th July.

Publications

Memoirs: “Mull of Galloway, Kirkmaiden, Wigtown” (1872); “Stranraer, Port Patrick, West Wigtown” (with A. Geikie 1873); “Wigtown, Creetown etc” (1878).

Robert Logan Jack

- 1852 Born September 16th.
- 1867 Joined Geological Survey (Scotland) 15th August.
- 1877 Resigned 30th March. Appointed as Governor Geologist for Geological Survey of North Queensland.
- 1921 Died.

Publications

Contributed to Memoirs: “Sanquhar, New Cumnock...” (1871); “Kilmarnock” (1872).

Sir Henry James R.E.

- 1803 Born, Cornwall.
- 1825-6 R.E. (Royal Engineers) 2nd Lieutenant 1826.
- 1827 Appointed to Ordnance Survey (geological work interested him).
- 1845 Appointed local Superintendent of Geological Survey of Ireland (on recommendation of Col. Colby).
- 1846 Resigned.
- 1846 Transferred to Admiralty, sent to Portsmouth as Superintendent of constructional works in dockyard. Promoted to Captain.
- 1847 Appointed Member of Commission for inquiring into application of iron in railway structures.
- 1848 Elected F.R.S.
- 1850 Returned to Ordnance Survey, divisional headquarters at Edinburgh.
- 1851 Appointed Associate Juror for naval architecture, ordnance etc – comprising class vii in Great Exhibition.
- 1853 Sent to Brussels on special service.
- 1854 Promoted to Brevet-Major.
Director-General of Ordnance Survey.
- 1856 Arthur's Seat observations to obtain mean S.G. of the earth.
- 1857 Appointed Director of topographical and statistical department of War Office (staff combined with Ordnance Survey and placed under James's direction) – continued till severance of Ordnance Survey from War Department and transfer to Office of Works in 1870.
- 1857 Promoted to Colonel.
- 1858 Member of Committee appointed by Council of Geological Society to revise the Greenough Geological Map.
- 1860 Knighted. James's principal work – photozincography. Introduced at Ordnance Survey office 1859. Attracted attention abroad.
- 1868 Major-General.

- 1874 Lieut. General.
- 1875 Resigned from Ordnance Survey.
- 1877 Died at Southampton 14th June.

Trevor Evans James

- 1840 Joined Survey 14th May.
- 1845 Joined Survey in Ireland, June 21st. Retired , went to Australia. Rejoined English Survey, October 9th, 1845.
- ? Died in Australia.

Thomas Archibald Johnstone

1907 Joined Survey as Fossil Collector 10th May.

1908 Resigned 25th April.

Owen Thomas Jones D.Sc.(Wales), F.R.S.

- 1878 Born April 16th.
- 1903 Joined Survey.
- 1910 Resigned, appointed Professor of Geology, Aberystwyth.
 Appointed Professor of Geology, Manchester.
- 1930 Appointed Professor of Geology, Cambridge.

Publications

Contributed to Memoirs:

- Special Reports XX, Pb and Zn (1922)
South Wales Coalfield XI Haverfordwest (1914)
South Wales Coalfield XII Milford (1916)
South Wales Coalfield VIII Swansea (1907) Bibliography.

James B. Jordan

1878 Joined Survey

1883 Joined Home Office Staff, May 26th.

Thomas B. Jordan

- ? Educated in the mining districts of Cornwall.
- 1840 Appointed first Keeper of Mining Records at Craig's Court 10th Oct, also in charge of model room.
- 1845 Resigned 29th March.
- 1890 Died May 31st (aged 82).

Obituaries/biographies

Newspaper obituary with ms.

John Wesley Judd C.B., LL.D., F.R.S., F.G.S.

- 1840 Born February 18th at Portsmouth. School at Portsmouth, then Camberwell.
- 1858 Entered training college at Westminster.
- 1859 Obtained 1st class certificates from newly formed Department of Science and Art for teaching of geology and mineralogy, but failed to obtain employment as a teacher of science and undertook elementary teaching at Horncastle, Lincolnshire. Gave up spare time and holidays to scientific (especially geology) studies.
- 1863 Entered Royal School of Mines. Won Royal Exhibition in 3rd year, but no facilities for research at Jermyn Street so became analytical chemist in iron and steel works at Sheffield.
- 1864 Introduced to microscopic study of rocks by Sorby (at Sheffield). Injured in railway accident and work at Sheffield given up for geology in Lincolnshire. Correlated strata at base of Lincolnshire Wolds with Neocomian of the Continent, and zones of Speeton Clay in Yorkshire with Lincolnshire facies. Revised Lower Oolites of Lincolnshire extending to Yorkshire and Midland counties, demonstrated their Inferior Oolite age (hitherto supposed to be Great Oolite).
- 1867 Joined the Survey. Worked for 4 years in Rutland and adjoining counties. Memoir: "Rutland" (1875).
- 1871 Resigned from Survey.
Joined Education Department as Inspector of Returns in London area. After a year, resumed independent work in the field.
Studied Secondary rocks of Scotland, worked out true succession and correlation of Trias to Upper Oolite.
On west coast attention directed to igneous rocks. As a result of studies, stated existence of 5 great Tertiary volcanoes, chiefly plutonic complexes representing cores and order of succession acid to basic.
Results published in Quarterly Journal Geological Society (1874) attracted notice of Lyell, Darwin and Scrope.
Invited to Forfarshire by Lyell, helped to revise "Elements of Geology".
Through Scrope visited volcanic districts of Italy, Hungary and Bohemia (series of papers in Geological Magazine).
Proposed terms "intermediate" and "ultrabasic" rocks, also "petrographical provinces".
- 1876 Chosen to succeed Ramsay as Professor of Geology in Royal School of Mines. School moved south to Kensington.
- 1877 Elected F.R.S.

- Secretary of Geological Society.
- 1882 Royal College of Science created, with assistance of Huxley, Judd developed comprehensive system of teaching in geology.
- 1886-7 President of Geological Society.
- 1887 President of Geology Section, British Association, Aberdeen.
Hon. LL.D. from Aberdeen University.
- 1891 Wollaston Medal.
Results of petrographical work on igneous rocks of Western Isles published in Quarterly Journal Geological Society.
Papers also in geology of London and Hampshire basins.
- 1895 or 6 Made Dean of Royal College of Science on death of Huxley.
Elected C.B.
- 1905 Retired.
- 1913 Nominated Emeritus Professor of Imperial College.
- 1916 Died March 3rd at Kew.

Obituaries/biographies

- Geological Magazine (1905) p. 385
 Geological Magazine (1916) p.190
 Quarterly Journal Geological Society (1917) p. lvii
 Geology of Yorkshire, Kendall and Wroot p. 346

Joseph Beete Jukes M.A., F.R.S., etc.

- 1811 Born October 10th at Summerhill, near Birmingham. Educated at Wolverhampton Grammar School and King Edward's School, Birmingham, and St. Johns College, Cambridge. Studied under Sedgwick. Took B.A. 1836.
- 1836 Lectured on geology in various towns in the Midlands and North of England. Undertook geological survey of Charnwood Forest.
- 1839 Appointed Geological Surveyor of Colony of Newfoundland. Results of work there recorded in memoir, with map.
- 1841 Returned to England. Appointed by Admiralty to post of Naturalist on H.M. ship "Fly" for survey of coast of Australia and New Guinea. Studied coral reefs.
- 1846 Joined Geological Survey and worked in North Wales with Ramsay, Aveline and Salter. Undertook survey of South Staffordshire Coalfield Memoir (1859).
- 1850 Appointed by Murchison to post of Director of Geological Survey of Ireland (vacated by Oldham). Completed survey of half of Ireland and 42 memoirs.
- 1854 Appointed to Lectureship of Geology in Royal College of Science, Dublin.
- 1861? "Student's Manual of Geology".
- ? Appointed on Royal Coal Commission.
- 1869 Died August 1st.

Publications

List of writings: See Appendix "Letters of J.B. Jukes".

Obituaries/biographies

Quarterly Journal Geological Society (1970), in Presidents Address (T.H. Huxley).

Geological Magazine (1869) p. 430.

"Letters of J.B. Jukes".

Geology of Yorkshire, Kendall and Wroot p. 415.

A typescript letter about Jukes is held with the ms.

Alfred John Jukes-Browne

- 1851 Born April at Penn Fields near Wolverhampton. Educated at Cholmondley School, Highgate, and St. John's College, Cambridge (Tutor, T.G. Bonney). Nephew of J.B. Jukes, whose name he adopted on his 21st birthday.
- 1873 Hons. B.A. in Natural Science Tripos.
- 1874 Joined Geological Survey as Assistant Geologist.
- 1873-83 Mapping in Suffolk, Cambridgeshire, Rutland and Lincolnshire. Contributed to Memoirs.
- 1883 Paper in Quarterly Journal Geological Society on river evolution.
- 1884 Began work for "Cretaceous rocks of Britain", 3 volumes (published 1900-4).
- 1876,7 Visited Egypt.
- 1885 Lyell Award.
- 1888,9 Visited Barbados with J.B. Harrison, Government Chemist, he produced geological map and memoir and 2 papers (Quarterly Journal Geological Society).
- 1901 Murchison Medal.
Retired from Survey on account of ill-health.
Continued geological work and study of Recent Mollusca.
Text books: "Physical and Stratigraphical Geology" and "Building of the British Isles".
- 1909 Elected F.R.S.
- 1914 Died August 16th.

Publications

Memoirs:

"East Lincolnshire" (1887); "Lincolnshire" (1885); "Devizes" (1905); "Andover" (1908).

Part author or contributor:

"Cambridge" (1881); "Parts of Cambridge and Suffolk" (1891); "Norfolk" (1893); "Borders of the Wash" (1899); "Lincoln" (1888); "North Lincolnshire and South Yorkshire" (1890); "Henley-on-Thames" (1908); "Salisbury" (1903); "Wellington and Chard" (1906); "Chichester" (1903); "Sidmouth" (1911).

John Kelly

- 1791 Born Borrisokane, Co. Tipperary.
- 1814-53 Personal Assistant to Richard Griffith.
- 1856 Joined Survey as Assistant Geologist (Ireland).
- 1866 Resigned 20th October.
- 1869 Died.

James Robinson Kilroe

- 1847 Born 27th March.
- 1874 Joined Survey as temporary Assistant Geologist, Ireland.
- 1889 Geologist.
- 1904 Transferred to Irish Survey.

George Henry Kinahan M.R.I.A.

- 1829 Born December 19th, Son of Daniel Kinahan M.A., Barrister-at-Law. Educated at Trinity College, Dublin.
- 1853 Engineering Diploma.
Appointed to staff employed on Boyne Viaduct (Drogheda).
- 1854 Appointed to Geological Survey (Irish Branch).
- 1861 Senior Geologist.
- 1869 District Surveyor.
- 1890 Retired.
- 1908 Died December 5th at Fairview, Dublin.

Publications

Survey work extended to almost every county in Ireland. Name appears on 26 Memoirs.
Voluminous writer.

Papers to: Proceedings Royal Dublin Society; Journal Geological Society Dublin (1859-89) (Presidential Addresses 1880, 1881); Royal Irish Academy; Kilkenny and South-east Ireland Archaeological Society; Royal History and Archaeological Association of Ireland; Geological Society of Edinburgh, Manchester, Liverpool and Glasgow; Institute of Civil Engineers, Ireland; North of England Institute of Mining and Mechanical Engineers; British Association ("Raised beaches of the Liffey Valley" 1908); Irish Naturalist; Geological Magazine (85 papers from 1864-88).

Separate publications:

"Manual of the Geology of Ireland" (1878)

"Valleys and their relation to fissures, fractures and faults" (1875)

"Handy book of rock names" (1873)

"Handy book on reclamation of waste lands in Ireland"

"Superficial and agricultural geology, Ireland" (1908).

Obituaries/biographies

Geological Magazine (1909) p. 142

William Bernard Robinson King B.A.(Cantab.) O.B.E.

- 1889 Born November 12th.
- 1912 Joined Survey.
Memoirs “Thicknesses of strata” (1916) and “Flint” (1924).
- 1920 Resigned.
- 1963 Died 23rd January.

Obituaries/biographies

Biographical Memoir of the Royal Society v. 9 1963.

Finlay Lorimer Kitchin

- 1870 Born December 13th at Whitehaven, only son of William Henry Kitchin. Educated at St. Bees School and St. John's College, Cambridge (Natural Sciences Tripos). Further course of study under Zittel at Munich. Commenced study of Jurassic material from Kutch, sent for examination by Geological Survey of India. (Dissertation on Jurassic Brachiopoda from Kutch for Ph.D.).
- 1894 Elected F.G.S.
- 1898 Appointed Assistant Palaeontologist on Geological Survey.
- 1901-2 Published 2 memoirs of the "Palaeontologia Indica" : Brachiopoda (1901) and Lamellibranchia (1902). Succeeded E.T. Newton as Palaeontologist of the Survey.
- 1906 Awarded Wollaston Fund.
- 1906-11 Served on Council of Geological Society (also 1915-19 and 1926-31). Most important official work: Kent Coalfield with J. Pringle and G.W. Lamplugh (2 memoirs).
- 1908 Results of description of collection of fossils from the Uitenhage series published in "Annals of the South African Museum".
- 1923 Sc.D.
- 1929 Elected F.R.S.
- 1934 Lyell Medal.
- 1934 Died January 20th in St. Thomas's Hospital.

Obituaries/biographies

Quarterly Journal Geological Society (1934) p. lvii

Herbert Kynaston B.A.

- 1868 Born July 19th at Durham. Educated at Eton and King's College, Cambridge.
- 1891 Awarded Worts Travelling Fund. Studied Cretaceous Gosau beds of Austria (Quarterly Journal Geological Society (1895)).
- 1892 Appointed Assistant Geologist on Geological Survey of Scotland.
- 1901 Promoted to Geologist. Worked in Argyllshire (memoirs and maps).
- 1903 Resigned from the Survey. Became Director of Transvaal Geological Survey. Later on formation of Union of South Africa, became Director of newly constituted Geological Survey under the Department of Mines.
- 1908 President Geological Society of South Africa.
- 1915 Died June 28th.

Publications

Contributed to following Memoirs: "Seaboard of Mid-Argyll" (1909); "Mid-Argyll" (1905); "Oban" (1908); "Upper Strathspey" (1913); "Ben Nevis" (1916).

Obituaries/biographies

Quarterly Journal Geological Society (1916) p. lxi

George William Lamplugh F.R.S.

- 1859 Born April 8th at Driffield, East Yorkshire. Later lived at Bridlington. Worked in merchant's office. Attracted to study of Boulder Clay series (series of papers in Geological Magazine, 1878 onwards).
- 1879 Paper to Yorkshire Geological Society "On Glacial Beds in Filey Bay".
- 1880 Jubilee British Association meeting at York. Lamplugh contributed paper "On the Bridlington and Dimlington Glacial shell-beds".
- 1884 First paper to Geological Society on recent exposure of boulder clay at Bridlington. Travelled in North America, studied drift deposits. Continued investigations of Yorkshire coast (Speeton Clay).
- 1889 Important paper on results to Geological Society.
- 1891 Lyell Fund from Geological Society.
- 1892 Joint paper with Russian geologist A.P. Pavlow on "Speeton Clay and its equivalents" (Bull. Soc. Imp. Nat. Moscow (1892)).
Joined Geological Survey as Assistant Geologist. Sent to survey the Isle of Man, 5 years work, resulting in papers to Quarterly Journal Geological Society and in Survey Memoir "Isle of Man".
- 1893 Leave of absence for visit to Arizona and Pacific coast of America.
- 1897 Secretary of Geological Section, British Association in Toronto. Published account of excursion to Vancouver Island ("Nature").
- 1898 Moved to Tonbridge to assist in mapping of the Weald (in conjunction with borings for coal in Kent).
- 1901 Bigsby Medal from Geological Society.
Made District Geologist. Sent to Dublin in charge of Irish branch of the Survey (continued there till transference of Survey to Irish Department under Grenville A.J. Cole 1905).
Took part in mapping country round Dublin, Belfast, Cork and Limerick – 4 memoirs.
- 1905 Elected F.R.S.
Undertook examination of Zambesi Gorge below Victoria Falls (under auspices of British Association). Results in paper to British Association at Johannesburg.
- 1906 Elected President Geological Section, British Association in York. Address on "Interglacial Problems".

On return from Ireland took charge of survey of Midland District (Notts. Etc.), memoirs (see Geological Magazine (1918) p. 346. Subsequently worked in North Wales, Later in Wealden area, records of boreholes.

- 1910 Attended International Geological Congress at Stockholm. Contributed account of expedition to Spitzbergen to "Nature" and description of shelly moraine to Yorkshire Geological Society (1911).
- 1911 M.G.S. with Dr. Kitchin on Kent Mesozoic rocks
- 1914 Appointed Assistant to Director. Attended British Association in Australia.
- 1914-16 Served on Council of Royal Society.
- 1918-20 President Geological Society. Addresses "The structure of the Weald" and "The Glaciation of England".
- 1920 Retired from Survey.
- 1925 Wollaston Medal.
- 1926 Died October 9th at St. Albans.

Past President of the Yorkshire Naturalists Union, The Hull Geological Society and the Hertfordshire Natural History Society. Hon. Member of several other Societies.

Publications

List of papers and Memoirs:

- Geological Magazine (1918) pp. 343-346.
Special Reports XII Iron Ores (1920)
Flint (1924)
Concealed Mesozoic rocks in Kent (1923).

Obituaries/biographies

- Geological Magazine (1927) p. 91
Geological Magazine (1918) p. 337
Quarterly Journal Geological Society (1927) p. lvi
Nature (October 30th 1926) p. 341
Times (October 14th 1926)

George Alexander Louis Lebour M.A., D.Sc., F.G.S.

- 1847 Born February 17th at St. Omer in France, son of French parents.
- 1849 Brought to England. After leaving school, employed at a Mercantile House in the City but later entered Royal School of Mines.
- 1867 Obtained appointment with Geological Survey, sent to join Topley at Morpeth in Northumberland.
- 1873 Appointed Lecturer in Geology at Durham University College of Physical Science at Newcastle-on-Tyne, assisting Dr. David Page.
- 1874 Resigned from Survey.
- 1879 Became Professor of Geology on death of Page (post retained for the rest of his life). Took great part in developing the College and became Vice-Principal in 1902.
- 1904 Murchison Medal.
- 1918 Died February 7th at Corbridge.

Publications

Author of over 100 papers in English and French periodicals mostly dealing with Carboniferous system, on geology of North England. Also a book on Geology of Northumberland and Durham and geological article in Victoria County History of Durham. Member of British Association committees on Underground temperatures, on conductivity of rocks, etc (work with Herschel). Joint author with Topley of paper on Whin Sill.

Obituaries/biographies

Quarterly Journal Geological Society (1918) p. lvi
Geological Magazine (1918) p. 287

Gabriel Wharton Lee

- 1880 Born December 6th, son of Dr. A.B. Lee of Geneva. Educated at Geneva (D.Sc.).
- 1905 Joined staff of Sir John Murray in Edinburgh. Carried out important investigations on deep-sea deposits brought back by “Challenger” expedition. Researches on glauconite with L.W. Collet published in Proceedings Royal Society Edinburgh (1905-6)
- 1907 Joined Geological Survey of Scotland. Placed in charge of Palaeontology Department. Possessed unrivalled knowledge of Carboniferous fauna of Scotland. Authority on Bryozoa.
- 1911 Important monograph on “British Carboniferous Trepostomata”.
- 1922 Made Senior Geologist. 1928
- 1928 Died December 1st in Edinburgh.

Publications

Contributed to following Memoirs: “Glasgow” (1911,1925)”; North Ayrshire” (1930); “Staffa”. Assisted in mapping Mull. Made detailed examination of Mesozoic rocks of Scotland – Memoir “Applecross etc” (1920). Later work on these rocks embodied chiefly in memoirs on “Pre-Tertiary Mull” (1925); “Gospie” (1925); “Ardnamurchan” (1925); “Tertiary Mull” (1924). In addition to official work undertook description of suites of fossils brought from Arctic by various expeditions. Other work in “Special Mineral Reports vol XI “Iron Ores of Scotland” (1920) and vol XXIV “Cannel Coals” (1922).

Obituaries/biographies

“Nature” (1929) February 2nd p. 172.
“Scotsman” (1928) December 3rd.

E. Leeson

1871 Joined Survey (Ireland) as Fossil Collector.

1882 Dismissed.

Hugh Leonard

- 1841 Born
- 1867 Appointed Assistant Geologist, Irish branch of Geological Survey. Under G.H. Kinahan surveyed large tracts of Mayo, Galway and County cavan and revised survey of Enniscorthy district in County Wexford.
Elected F.G.S., Member of Royal Irish Academy, Hon. Secretary Royal Geological Society (Ireland).
- 1881 Retired (result of accident).
- 1909 Died February 16th at Blackrock, County Dublin.

Obituaries/biographies

Geological Magazine (1909) p.191

William Benjamin Leonard

- 1867 Joined Survey (Ireland).
- 1876 Working in County Mayo.
- 1876 Drowned.

Edward Lewis

1845 Joined Survey (Ireland) in September. Resigned in October.

Ben Lightfoot M.C., M.A., F.G.S.

- 1888 Born January 30th at Bingley, son of J. Lightfoot of Boston Spa. Educated at Bradford Grammar School and Peterhouse, Cambridge. Harkness Prize for Geology (1909).
- 1909 Joined Geological Survey. Contributed to Tertiary Mull Memoir (1924); Central Coalfield Area IV (1923).
- 1912 Resigned. Appointed Assistant Geologist, Geological Survey of Southern Rhodesia.
- 1914 Sorby Research Fellowship from Royal Society.
- 1914-18 Military Service (M.C.)
- 1919-1920 Mining geologist to Perrin and Marshall in Hyderabad.
- 1921 Rejoined Geological Survey of Southern Rhodesia.
- 1928 Lyell Fund from Geological Survey.
- 1939 President, Geological Society of South Africa.
- 1942 Draper Medal.
- 1946 Retired to Maidenhead then Hampshire.
- 1966 Died 18th November.

Obituaries/biographies

Who's Who (1929)

Proceedings Geol. Soc. No 1651 1969 p. 231.

G. Herbert Lightfoot

1868 Joined Survey

1869 Resigned.

James Linn

1835	Born June 2 nd .
1877	Joined Survey (Scotland)
1888	Resigned

Joseph Lucas

- 1846 Born December 24th. Educated at Westminster School.
- 1867 Joined Geological Survey.
Mapping Carboniferous in West Riding of Yorkshire (later north-east Yorkshire). Took up study of water supply.
- 1873 Began series of observations on subterranean water systems, introduced term “hydrogeology”. First to publish hydrogeological map with artesian contours.
- 1874 1st paper (published privately) “Horizontal wells”.
- 1876 Retired. Elected F.G.S.
- 1877 Paper “Artesian system of the Thames Valley” (J. Soc. Arts) containing hydrogeological map of area south of Thames.
- 1878 Complete map. North and south of Thames – published privately and re-published by Geological Survey with two other similar maps in “Records of London Wells” (Barrow and Wills) (1913) p. 19.
- 1880 Published Resume of late work on water supply from Lower Greensand of Hants. and Surrey.
More than 30 papers to different societies. Elected F.G.S., F. Meteorological Society, M.I.C.E. (Telford Medal) (Silver medal, Soc. of Arts.)
- 1926 Died April 20th.

Publications

[Summary of most important publications and conclusions given by W. Whitaker in Memoir “Water Supply of Surrey” (1912) pp.14-17 and bibliography pp. 328-330].

Obituaries/biographies

Newspaper cutting. [Held with manuscript.]

Nature (1926) May 22nd p. 130

Quarterly Journal Geological Society (1927) p. LX

Robert Lunn

1861	Born March 15 th
1874	Porter.
1881	General Assistant.
1901	Clerk.
1901	Superintendent of maps.
1921	Retired.

Donald Alexander MacAlister A.R.S.M

1875 Born July 15th.

1902 Joined Survey as Temporary Geologist (Mining Geologist 1905)

Publications

Memoirs: “Falmouth” (1906); “Newquay” (1906); “Land’s End” (1907); “Bodmin” (1909); “Padstow” (1910); “Tavistock” (1911); “Dartmoor” (1912); “Newton Abbott” (1913).

Arthur Francis Macconochie

- 1891 Born November 8th.
- 1910 Joined Survey (Scotland) as Fossil Collector.
- 1915 Left.

Arthur I. Macconochie

- 1850 Born November 19th in Ayrshire.
- 1869 Joined Survey (Edinburgh) as Fossil Collector.
- 1889 Assistant Curator (till 1913).
- 1901 Assistant in Fossil Department.
- 1907 Assistant for Survey Collections.
Fossil collecting chiefly in Silurian of Southern Uplands. Discoverer of notable fossil locality at Glencartholm, Dumfriesshire; also of the “olenellus fauna”; and of new fish fauna from Downtownian of Lanarkshire.
- 1906-20 Lecturer in Geology at Heriot-Watt College.
- 1913 Retired from Survey.
- 1923 Awarded Lyell Fund. (In February.)
- 1923 Died March 11th in Edinburgh.

James Maden

1894 Born December 7th.
1920 Joined Survey.
1927 Died May 29th.

Herbert Brantwood Maufe B.A., F.G.S.

- 1881 Born August 27th.
- 1901 Joined Survey.
- 1910 Resigned. Appointed Director of Geological Survey of Southern Rhodesia.

Publications

Contributed to Memoirs: “Oban” (1908); “Mid-Argyll” (1909); “Edinburgh” (1910); “East Lothian” (2nd edition 1910); “Knapdale and Jura” (1911); “Ben Nevis” (1916); “Mull” (1924).

Frederick McCoy K.C.M.G., M.A., D.Sc.(Cantab), F.R.S., F.G.S..

- 1823 Born in Dublin, son of Dr. Simon McCoy M.D.
Educated for medical profession in Dublin and Cambridge but took up study of Natural Science.
Accepted Sir Richard Griffith's offer to do palaeontology for Geological Map of Ireland for the Boundary Survey.
Results in volume published 1844 "Synopsis of Carboniferous Limestone Fossils of Ireland" and 1846 "Synopsis of Silurian Fossils of Ireland".
- 1845 Invited by Sir Henry James and De la Beche to join Survey of Ireland. Joined May 24th.
- 1846-50 Undertook with Sedgwick work on Palaeozoic rocks and fossils (Woodwardian Museum), ("British Palaeozoic Rocks and Fossils" published with Sedgwick 1852).
- 1850 Appointed by Sir Robert Peel's Government to Chair of Geology and Mineralogy at Queen's University (Northern College), Belfast.
- 1852 British Palaeozoic rocks & fossils. Sedgwick and McCoy.
- 1854 Appointed first Professor of Natural Science in Melbourne University (post held for more than 30 years).
Established National Museum of Natural History and Geology in Melbourne.
Member of various Royal Commissions – on Goldfields of Victoria; on Technical Instruction; on Education; International and Intercolonial Exhibitions. Appointed Government Palaeontologist. "Prodomus of the Zoology of Victoria" and "Prodomus of the Palaeontology of Victoria" product of 30 years work.
- 1886 Elected F.R.S.
- 1886 Made C.M.G.
- 1891 K.C.M.G.
- ? Received many honours and distinctions, British and Foreign (Geological Magazine (1899) p. 285).
- 1895 Died May 16th at Melbourne.

Publications

Additional writings: Geological magazine (1899) pp. 285-287.

Obituaries/biographies

Royal Society Obituary 1900-01 p. 31.

Geological Magazine (1899) p. 283.

History of Geological Society, H.B.W. (1907)p. 188,189.

Alexander McHenry

- 1843 Born October 24th.
- 1861 Appointed Fossil Collector to Survey under J.B. Jukes in Ireland.
- 1877 Appointed Assistant Geologist.
- 1878 Charged with mapping the difficult districts in Mayo, including Achill Island, later Caledonian ridges of Donegal.
- 1890 Appointed Geologist.
- 1908 Retired.
- 1919 Died April 19th.

Publications

Contributed to Memoirs on Giant's Causeway and North-west and Central Donegal. Also maps and memoirs on districts round larger cities of Ireland, issued under G.W. Lamplugh, 1903 onwards. Reported on inter basaltic iron-ores and bauxite in Antrim for Memoir published 1912.

Obituaries/biographies

Geological Magazine (1919) p. 336

Henry Stobie McVey

- 1883 Born August 28th.
- 1902 Joined Survey as temporary draughtsman.
- 1907 Fossil Collector.
- 1910 Resigned. Appointed to Geological Survey of Southern Rhodesia.

Richard Meade

- 1827 Born in Dublin.
- 1841 Entered Drawing Office of the Old Houses of Parliament as assistant to Dr. Reid (who was in charge of ventilating arrangement), trained as Surveyor.
- 1853 Transferred to Mining Record Office in Museum of Practical Geology as Assistant Keeper of Mining Records under Robert Hunt.
- 1882 Published “The Coal and Iron Industries of the United Kingdom”.
- 1883 On abolition of Mining Record Office, transferred to the Home Office and appointed Clerk of Mineral Statistics.
- 1889 Retired on account of ill-health.
- 1894 Died September 12th.

Obituaries/biographies

Geological Magazine (1894) p. 576

Henry Benedict Medlicott M.A., F.R.S.

- 1829 Born August 3rd at Loughrea, County Galway, son of Rev. S. Medlicott, educated at Trinity College, Dublin.
- 1851 Appointed to Geological Survey in Ireland.
- 1853 Transferred to the English branch. Worked with Aveline in the Vale of Pewsey and other parts of Wiltshire.
Appointed to Indian Geological Survey (commenced duties 1854).
- 1854 Chosen Professor of Geology at the Thomason College of Engineering at Roorkee.
- 1876 Became Superintendent (and afterwards Director) of Geological Survey of India.
- 1877 Elected F.R.S.
- 1887 Retired.
- 1888 Wollaston Medal.
- 1905 Died April 6th at Clifton, Bristol.

Publications

Work published in Memoirs and Records of Geological Survey of India. Published with W.T. Blanford "Manual of the Geology of India" (1879). Paper to Geological Society London on "The Alps and the Himalayas; geological comparison" (Quarterly Journal Geological Society (1867)). "Evolution of mind in man" (1892).

Obituaries/biographies

Proceedings Royal Society. B. LXXIX (1907) p. xix.
Geological Magazine (1905) p. 240
Memoir on Indian Surveys C.R. Markham (1878) pp. 225,etc.
Quarterly Journal Geological Society (1906) p. lx.

Joseph G. Medicott

- 1846 Joined Survey as General assistant in Ireland.
- 1851 Oldham obtained sanction for his employment as assistant on Indian Survey
(see Memoir by Markham p. 216).
Published work in Memoir, vol. (i) of Indian Survey etc.
- 1862 or 3 Appointed Inspector of Schools in the Educational Department in Bengal (See
annual report, Geological Survey India 1862-3 p. 3).

Obituaries/biographies

Memoir on Indian Surveys C.R. Markham (1878) p. 216
Annual Report Geological Survey of India 1858-67.

Hugh Miller F.R.S.E., F.G.S.

- 1850 Born July 15th, son of the distinguished Hugh Miller.
- 1874 Joined the Survey. Worked first among the Carboniferous rocks and glacial drifts of Northumberland. Then transferred to Scotland and worked at Old Red Sandstone around Cromarty. Also mapped portions of the Ancient schists, Old Red Sandstone and drifts of East Sutherlandshire.
- 1889 Promoted to Geologist.
- 1896 Died January 8th.

Publications

Memoirs:

“Otterburn and Elsdon” (1887)

“Plashetts and Kielder” (1889) notes on Cumberland portion.

Author of “Landscape Geology” and papers on river action and Glacial phenomena. Most important papers: “Tynedale Escarpment *1880); “River terracing” (1884); “Boulder glaciation” (1884)

Obituaries/biographies

Geological Magazine (1896) p. 92

William Fancourt Mitchell

- 1845 Born November 24th.
- 1875 Joined Survey as temporary Assistant Geologist (Working in County Mayo).
- 1890 Retired (on reduction of staff).

Dennis Mooney

1857 Joined Irish Survey as General Assistant.

1888 Left Survey.

John Malcolm Muir

- 1885 Born July 19th.
- 1908 Joined Survey as Fossil Collector.
- 1912 Resigned. Obtained private appointment in Mexico.

Roderick Impey Murchison Bart., K.C.B., LL.D., D.C.L., M.A., F.R.S., F.G.S. etc.

- 1792 Born February 19th at Tarradale, Easter Ross. Moved to Dorset. Educated at Durham Grammar School. Sent to Military School of Great Marlow.
- 1807 At 15 obtained commission and sailed for the Peninsula under Wellesley. Went through campaign under Sir John Moore.
- 1815 Left the Army and married. Took up geology. First paper “Geological sketch of north-west extremity of Sussex.....” (1825). Explored Highlands with Sedgwick.
- 1826 Elected F.R.S.
- 1827 Revisited Highlands with Sedgwick. Studied volcanoes of Auvergne with Lyell. Studied “transition” rocks in Welsh Borderland. Founded “Silurian System”.
- 1830 General Secretary, British Association.
- 1831 Work on Silurian made public at British Association. Investigations in Devon and Cornwall with Sedgwick.
- 1831-2 President of Geological Society (also 1842-3).
- 1835 & 1839 Two journeys to Rhenish provinces with Sedgwick (also 1839), results published 1839 with classification.
- 1840 Visited Russia with De Verneuil and again in 1841 to superintend survey at Emperor’s request.
- 1841 Proposed adoption of “Permian System”.
- 1842 Travelled in Germany, Poland and Carpathians.
- 1844 Explored Palaeozoic rocks of Sweden and Norway. Elected President of Royal Geographical Society (again in 1845, 1852, 1856, etc).
- 1845-6 Completed joint work on “Geology of Russia and Ural Mountains”. Knighted.
- 1846 President British Association.
- 1849 Copley Medal from Royal Society in recognition of having established the Silurian System.
- 1854 Published 1st edition “Siluria”.

- 1855 Produced with Morris a memoir of German Palaeozoics.
Succeeded De la Beche as Director-General of Geological Survey.
Inferred presence of auriferous deposits in Australian mountain ranges by analogy with Urals.
- 1859 Brisbane Gold Medal (1st) from Royal Society of Scotland [Edinburgh?] for classification of Highland rocks.
- 1863 Made K.C.B.
- 1864 Wollaston Medal.
- 1866 Bart.
Founded Chair of Geology and Mineralogy at Edinburgh.
- 1871 Died October 22nd.

Honours

For honours see – Geological Magazine (1871), p. 481

Publications

For writings see – Geological Magazine (1871), pp. 486-490

Obituaries/biographies

Memoir. 2 volumes. Geikie.

Proceedings Royal Society XX (1872) p. xxx

Geological Magazine (1871) p. 481

R.M. Murchison

1847 Joined Survey

1848 Resigned.

Alexander Murray

- 1840 Joined Geological Survey
- 1842 Resigned. Appointed to Geological Survey of Canada as assistant provincial mineralogist. Worked with Logan in initiating Canadian Survey. First field work, collection of minerals etc. Annual reports of progress and maps.
- 1869 Left Canadian Survey to found Geological Survey of Newfoundland. Director 1869-onwards.

Obituaries/biographies

Canadian Mining Journal 50th Anniversary Number. (Aug. 1929) p. 54

Edwin Tulley Newton

- 1840 Born May 4th at Islington.
- 1865 Became assistant to Huxley at Jermyn Street (Previously attended his lectures at Royal School of Mines.
- 1875 Published first paper on structure of bituminous coals.
- 1882 Appointed Palaeontologist with George Sharman after transfer of Etheridge to British Museum. Chief interest in fossil vertebrates.
- 1893 Elected F.R.S. Lyell Medal from Geological Society.
- 1905 Retired.
- 1921-8 President of the Palaeontographical Society.
- 1930 Died January 28th.

Publications

Memoirs: “The Chimaeroid Fishes of British Cretaceous Rocks” (1878); “The Vertebrata of the Forest-Bed Series of Norfolk and Suffolk! (1882); “The Vertebrata of the Pliocene Deposits of Britain” (1891) and papers to the Geological Society (one on human skull from Galley Hill 1895).

Memoirs published in Philosophical Transactions Royal Society:

Description of pterodactyl brain (based on specimen from Whitley Upper Lias) (1887).

Description of series of reptiles from Permo-Trias sandstones of Elgin. (1893-4).

Obituaries/biographies

Geological Magazine (1930) p. 286

Nature (February 22nd 1930) p. 280

Richard Bullen Newton I.S.O., F.G.S.

- 1854 Born February 23rd. Educated at the Central London Foundation School, Cowper Street.
- 1868 Joined Geological Survey, where his father was Assistant Librarian and his uncle (E.T. Newton) was assistant naturalist under Huxley.
- 1873 Became Assistant Naturalist under Huxley.
- 1880 Transferred to British Museum to help in removal of collections to Cromwell Road. Papers and reports chiefly on Cretaceous and Tertiary Mollusca.
- 1891 “Systematic list of E. Edwards Collection of British Oligocene and Eocene Mollusca”.
- 1909 “Cretaceous Gastrpods and Pelecypoda from Zululand”.
- 1910-12 President of the Malacological Society.
- 1913-15 President of the Conchological Society.
- 1914 Awarded Wollaston Fund.
- 1916 “Conchological features of the Lenham Sandstones of Kent”.
- 1920 Retires.
Received Imperial Service Order.
- 1922 “Eocene Mollusca from Nigeria”. Also study of Foraminifera as guides to geological horizons.
- 1926 Died January 23rd.

Obituaries/biographies

“Times” (January 25th 1926).

Geological Magazine (1926) p. 144

Nature (January 30th 1926) p. 165

T.W. Newton

- 1822 Born August 22nd.
- 1866 Joined Survey as Assistant Librarian.
- 1895 Retired.

Arthur Henry Noble M.C., M.A.

- 1887 Born June 21st.
- 1910 Joined Survey.
- 1912 Resigned.
 Joined Anglo-Saxon Petroleum Company.
- 1922 Part-author with Dr. Sherlock of Beaconsfield Memoir.

Joseph Nolan

- 1841 Born March 20th in Queen's County, Ireland. Attended Jukes's lectures in the Museum of Irish Industry (now Royal College of Science), Dublin.
- 1867 Through Jukes appointed Assistant Geologist on Geological Survey. Surveyed many important districts in Ireland, including Southern Mayo; Carlingford; Slieve Gullion; North Tyrone; Derry; parts of Donegal. Member of Royal Irish Academy. Wrote "History and Antiquities of Glendalough".
- 1883 Geologist.
- 1890 Appointed Senior Geologist in charge of Irish office.
- 1902 Died April 20th.

Obituaries/biographies

Geological Magazine (1902) p. 288

Joseph O'Kelly M.A., M.R.I.A., etc.

- 1832 Born Dublin. Educated at Trinity College, Dublin. (Diploma in Engineering).
Worked for a few years with Sir R. Griffith on the general Valuation of
Ireland.
- 1854 Joined Geological Survey, Irish branch.
Most important work in Cork. Subsequently selected by J.B. Jukes (local
Director) to work with him in Devon and Cornwall; on Igneous of Limerick;
and Coalfields of Queen's County, Tipperary.
Memoir on Tipperary Coalfield (with A.B. Wynne and G.H. Kinahan).
Last fieldwork in County Galway, then transferred to Dublin as Secretary on
retirement of John Kelly.
- 1883 Died April 13th in Dublin (succeeded in office by A.B. Wynne).

Obituaries/biographies

Geological Magazine (1883) p. 288

Thomas Oldham

- 1816 Born in Dublin.
Educated at private school in Dublin and Trinity College. Took B.A. degree.
- 1837-8 Studied engineering at Edinburgh, and geology and mineralogy under Jamieson.
- 1839 Returned to Ireland, became Geological Assistant to General Portlock R.E. (Geology Department, Ordnance Survey of Ireland) and assisted in survey of Derry and Tyrone. (Report 1843).
Became Curator and Assistant Secretary to Geological Society, Dublin, also Assistant Secretary to Institute of Civil Engineers of Ireland.
- 1844 Appointed Assistant Professor of Engineering in Trinity College Dublin, under Professor J. MacNeill.
- 1845 Succeeded Professor Phillips to Chair of Geology at Dublin.
- 1846 Lecturer to Geological Society Dublin. Local Director of Survey for Ireland.
- 1848 President Geological Society Dublin. Elected F.R.S.
- 1844-9 12 papers to British Association and Dublin Geological Society Journal, all on Irish geology and palaeontology.
- 1849 Discovery of Oldhamia in Cambrian rocks of Wicklow Hills (named by E. Forbes).
- 1850 Resigned from Survey.
- 1851 Appointed Director of Geological Survey of India.
- 1857 Elected Member Royal Asiatic Society of Bengal (4 times President).
- 1862-4 Memoir with J. Morris "Fossil Flora of Rajmahal Series".
- 1863 Paper to Geological Society of London "On occurrence of rocks of Upper Cretaceous age in Eastern Bengal".
- 1867 Report to Secretary of State for India : "On the coal resources of India".
16 memoirs on Coalfields of India.
Presented report on geology of India at British Association in Dundee.
- 1875 Gold Medal Royal Society. Also Gold Medal from Emperor of Austria.
Member of following societies: "Imperial Academy "Isis" Society of Dresden"; Imperial Society of Nationalists, Moscow"; Royal Geological

Society, Cornwall”; Geological Society of Edinburgh; Zoological Society, London.

1876 Retired.

1878 Died July 17th.

Obituaries/biographies

Geological Magazine (1878) p. 382

Quarterly Journal Geological Society (1879) p. 46

Benjamin Neeve Peach

- 1842 Born September 6th at Gorran Haven, Cornwall.
Son of C.W. Peach of the Coastguard Service, a keen naturalist and fossil collector. In 1849 transferred to Scotland. 1854 proved Durness Limestone – fossiliferous. Murchison in appreciation completed education of B.N. Peach at Royal School of Mines (1859 -), studied under Huxley and Ramsay.
- 1862 Joined Geological Survey as Assistant Geologist.
First official duty, determination of fossils in the London office under Salter. Transferred to Scotland. Became associated with James Geikie and John Young in mapping glacial deposits of the Lothians. Noted occurrence of Highland rocks in drifts of the Lammermuirs.
Surveyed Scottish Coalfields, large areas of Old Red Sandstone with associated volcanics and eastern part of Southern Uplands.
- 1868 Promoted to Geologist.
- 1879 Appointed Acting Palaeontologist in Scotland in addition to fieldwork.
- 1882 District Surveyor.
- 1883 Given charge of survey of North West Highlands.
- 1888 Re-examination of Southern Uplands began. Peach determined large collection of graptolites (proved Lapworth's sequence).
- 1892 Received Murchison's Centenary Prize. Elected F.R.S.
- 1903 LL.D. (Edin).
- 1905 Retired. Worked on monograph on "The Higher Crustacea of Carboniferous rocks of Scotland".
- 1926 Died January 29th.

Honours

Awards: Wollaston Fund; Murchison Medal; Wollaston Medal; Neill Medal (R.S.E.)

Obituaries/biographies

Geological Magazine (1926) p. 187
Proceedings Royal Society (1926) (B.C.)
"Glasgow Herald" (January 30th 1926)
"Scotsman" (January 30th 1926)

William Henry Penning

- 1838 Born March 9th. Trained as an engineer under C.H. Gregory.
- 1867 Joined Geological Survey.
Surveyed parts of Essex, Hertfordshire, Suffolk, Cambridge and Lincolnshire.
Joint author with Whitaker and others of *Memoirs: "North-west part of Essex"* (1878); with Jukes-Browne of *"Neighbourhood of Cambridge"* (1881); also contributed to *"Country around Lincoln"* (1888).
- 1882 Retired from Survey on account of ill-health.
Went to South Africa.
Papers to the Geological Society on high-level coalfields of South Africa, on goldfields of Lydenburg and De Kaap, and on the geology of South Transvaal.
- 1902 Died April 20th.

Publications

Other works:

"Textbook of Field Geology" (1876)

"Engineering Geology" (1880)

Paper to Geological Society of physical geology of East Anglia during Glacial Period.

Obituaries/biographies

Geological Magazine (1902) p. 335

John Percy

- 1817 Born March 23rd at Nottingham.
Entered Medical School of Edinburgh University, took M.D. at 21, then studied in Paris.
Became Physician to Queen's Hospital at Birmingham.
Took up metallurgy.
- 1847 Elected F.R.S.
- 1851 Appointed to Chair in Royal School of Mines.
Analysed series of British iron ores collected by H.S. Bakewell and shown at first International Exhibition – afterwards presented to Jermyn Street Museum.
- 1861 1st volume of "Metallurgy" published.
- 1864 Results of analyses of iron ores published in treatise on iron and steel.
Improved metallurgical processes and discovered alloy of Cu and Al. Served on various Royal Commissions and committees of enquiry.
Awarded Millar Prize of Institution of Civil Engineers.
- 1877 Received Bessemer Medal from Iron and Steel Institute.
- 1879 Resigned Chair at Royal School of Mines, continued as Lecturer on Metallurgy at Woolwich.
- 1880 Retired.
- 1885 President of the Iron and Steel Institute.
- 1889 Awarded Albert Medal of Society of Arts.
- 1889 Died June 19th.

Obituaries/biographies

Nature (June 27th, 1889)

Proceedings Royal Society (1890) p. xxxv

Copies of two obituaries with the ms.

John Phillips M.A., D.C.L. (Oxon), LL.D.(Camb. And Dublin), F.R.S., etc.

- 1800 Born December 25th at Marden, Wiltshire of Welsh stock. Orphaned at 7 or 8 and subsequently brought up by his uncle, William Smith. After leaving school lived for a year with Rev. B. Richardson of Farley Castle near Bath, a keen naturalist. Then lived with W. Smith, accompanied him on tours, helped with geological maps etc.
- 1824 Smith went to York to lecture to Yorkshire Philosophical Society and Phillips went with him, the following year was appointed Museum Keeper.
- 1826 Paper to Philosophical Society "On the direction of the Diluvial currents of Yorkshire".
- 1829 York Museum collections moved to new building in grounds of St. Mary's Abbey. Phillips worked here till 1853. Appointed Secretary to Yorkshire Philosophical Society. Made extensive study of geology of Yorkshire. Published "Illustrations of the Geology of Yorkshire"; "Rivers, mountains, and seacoasts of Yorkshire".
- 1831 Leading scientists met in Yorkshire Museum and established the British Association. Phillips was appointed Secretary (1831-63).
- 1834 Elected F.R.S. Appointed to Chair of Geology at King's College, London (held for 6 years). Work in Yorkshire continued.
- 1840 Resigned charge of York Museum but continued Honorary Curator till 1844.
- 1841 "Figures and descriptions of Palaeozoic fossils of Cornwall Devon and West Somerset" = result of work undertaken for Geological Survey.
- 1842 Began survey of Malvern Hills (Memoir published 1849, (Vol II part I).
- 1844 Joined Survey.
- 1845 Appointed Professor of Geology in Dublin University (Trinity College).
- 1845 Wollaston Medal.
- 1849 With J. Kenyon Blackwell appointed Commissioners to enquire into and report on ventilation in coal mines.
- 1853 Succeeded Strickland as Deputy Reader in Geology at Oxford.
- 1856 Appointed to Chair of Geology at Oxford (on death of Buckland).
- 1859 President of the Geological Society.

- 1860 Rede Lecture to Cambridge University, subsequently expanded into “Life on the Earth, its Origin and Succession”.
- 1856-65 Various astronomical papers etc. communicated to the Royal Society.
- 1865 President of the British Association.
- 1873 President of the Geological Section of the British Association.
- 1874 Died April 24th.

Obituaries/biographies

Geological Magazine (1870) p. 301

Geological Magazine (1874) p. 240

History of Geological Society (1907) p. 113

Geology of Yorkshire, Kendall and Wroot (1924) p. 45

Richard Phillips

- 1778 Born in 1778, son of printer and bookseller in the City. Member of Society of Friends. Associate of Davy and Wollaston. Became distinguished as a Chemist.
- 1822 Elected F.R.S.
- 1839 Appointed first Chemist and Curator to Museum of Economic Geology. (Continued 2nd series of “Annals of Philosophy.....” (1821-26) begun by T. Thomson (1813-20)).
- 1850-51 President of Chemistry Society.
- 1851 Died.

Obituaries/biographies

History of Geological Society H.B.W. (1907) pp. 13, 50.

Lyon Playfair

- 1819 Born May 21st at Meerat, son of Dr. George Playfair, Chief Inspector General of Hospitals, Bengal.
Educated at St. Andrews.
Went to Glasgow to study medicine but was attracted to chemistry by teaching of T. Graham.
Visited India, then resumed chemical studies under Graham at University College, London.
- 1838 Went to Liebig's laboratory at Griessen, worked at organic chemistry and produced first paper.
Came to England as assistant and interpreter to Liebig who lectured on agricultural chemistry. Introduced to Prince Albert.
For two years managed chemical department of Messrs. Thompsons' print-works at Clitheroe.
- 1843 Appointed Professor of Chemistry in Royal Institution, Manchester.
- 1844 On recommendation of Sir Robert Peel, appointed Member of Royal Commission for examination of sanitary conditions of towns.
- 1845 Commissioner on Irish Famine.
Other Commissions: "Exhibition of 1851"; "Exhibition of 1862"; Cattle plague"; "Re-organisation of Civil Service"; "Pensions for aged poor"; "University of London"; "Herring Fisheries of U.K."; "Coal for the Navy"; etc.
- 1846?5 Appointed Chemist to Museum of Practical Geology and Professor of Chemistry in School of Mines.
- 1848 Elected F.C.S.
- 1851 Value of work at Exhibition recognised – made Companion of the Bath and Officer in the household of the Prince Consort.
Asked to undertake same work again in 1862, also Paris Exhibition 1878.
- 1853 Appointed Co-Secretary with H. Cole to newly-founded Department of Science and Art.
- 1853 Resigned from Survey.
- 1855 President of the Chemistry Section, British Association.
- 1856 Became Inspector-General of Government Museums and Schools of Science till 1858.
- 1858 Appointed to Chair of Chemistry at Edinburgh.

- 1859 Elected F.R.S.
President Chemistry Section, British Association.
- 1868 Returned as first representative in Parliament of Universities of St. Andrews and Edinburgh.
- 1873 Postmaster-General.
- 1880-3 Chairman of Ways and Means, and Deputy-Speaker. Made K.C.B.
- 1885 Returned for Southern Division of Leeds.
Appointed Vice President of Council on Education.
President of British Association.
- 1898 Died May 29th.

Most important contribution to pure chemistry = discovery and investigation of the nitroprussides, and to applied chemistry = report on work undertaken with Bunsen on gases evolved in iron furnaces.

Obituaries/biographies

Proceedings Royal Society LXIV (1899) p. ix

Theodore Innes Pocock M.A. (Oxon).

- 1869 Born February 28th.
- 1897 Joined Survey as Assistant Geologist.
- 1901 Geologist.
- 1908 Resigned.

Memoirs: "Macclesfield" (1906); "Oxford" (1908); part-author of "Derbyshire and Nottinghamshire Coalfield" (1908); Also contributed to "Fannich Mountains" (1913).

William Pollard M.A., D.Sc.

- 1870 Born April 30th.
- 1898 Joined Survey as Assistant Geologist.
- 1901 Geologist.
- 1913 Retired (ill-health).

Publications

Memoirs: “Coals of South Wales” (1908 2nd edition 1915) with Strahan; Contributed to “Newquay” (1906) and “Lands End” (1907).

Obituaries/biographies

Geological Magazine (1909) p. 576

Thomas Roxburgh Polwhele J.P., D.L., M.A., F.G.S.

- 1831 Born.

 Graduated at Cambridge.
- 1858 Joined Geological Survey under Murchison.
 Engaged in mapping parts of Oxford and Bucks.; drew boundary lines (proved substantially correct) for clayey equivalents of Corallian rocks between Wheatley and Quaiton.
 Also surveyed areas of the Bagshot Series and other formations on borders of Hants. And Surrey. Notes published in Memoirs by Whitaker and A.H. Green. Succeeded to estate at Polwhele, near Truro.
- 1863 Retired.
- 1896-7 President of the Geological Society, Cornwall. Addresses: “The relation of other sciences to geology” and “The physical geology of the Earth”.
- 1909 Died September 2nd in Cornwall.

Obituaries/biographies

Geological Magazine (1909) p. 576

Samuel Pond

1850 Joined Survey.

Alexander Pringle M.A., B.Sc.

- 1842 Born March 10th.
- 1877 Joined Survey 1st of June as Assistant Curator.
- 1892 Assistant to the Curator.
- 1901 Assistant Curator, 1st April.
- 1907 Retired.
- 1934 Died 20th June

Obituaries/biographies

“Evening Dispatch” (June 21st, 1934) [Copy with ms.]

Andrew Crombie Ramsay

- 1814 Born in Glasgow. Educated in Glasgow.
- 1840 Exhibited map and model of Arran at British Association.
- 1841 Published "Geology of Arran".
Joined Survey as Assistant Geologist.
- 1846 "On the denudation of South Wales and adjacent counties of England".
- 1848 Appointed to Chair of Geology at University College. London.
- 1849 Elected F.R.S.
- 1851 Appointed to Professorship of Geology in Royal School of Mines.
- 1856 President of Geological Section, British Association at Cheltenham. Address:
"On breaks in succession of British rocks".
- 1857 Deputed by Geological Society to American Association for Advancement of
Science. Visited Canada and North States with Logan and Hall.
- 1862 President of Geological Society, elected Knight of the Order of St. Maurice of
St. Lazarus. Paper to the Geological Society "On Glacial origin of certain lakes
in Switzerland."
- 1866 LL.D. (Edinburgh).
President of Geological Section, British Association. Geological map of the
British Isles and "On the physical geology and geography of Great Britain"
published.
- 1867 Appointed Director of England and Wales Survey.
"The geology of North Wales".
- 1871 Appointed Director-General.
Wollaston Medal.
- 1879 Royal Medal of Royal Society.
- 1880 President of British Association at Swansea. Address: "The recurrence of
certain phenomena in geological time".
- 1881 President of the Geology Section, British Association "The origin and progress
of present state of geology".
Resigned from Survey, December 31st.
Knighted December 7th.

1891

Died December 9th.

Publications

List of papers and books:

Memoir (Geikie) pp. 367-374

List of maps – Memoir (Geikie) pp. 374-376

List of horizontal sections – Memoir (Geikie) pp. 376-379

Memoirs: Memoir Geological Survey vol. I Essays in...(1846)

Memoir Geological Survey vol. III North Wales (1881)

Also contributed: “Parts of Wiltshire and Gloucestershire” (1858); “Central Ross” (1913); “Lower Findhorn” (1923).

Obituaries/biographies

Geological Magazine (1882) p. 289

Geological Magazine (1892) p. 48

Memoir. A. Geikie (1895)

Nature (December 17th, 1891)

Scotsman Dec. 16th 1891. [Copy with the ms.]

Trenham Reeks

- 1823 Born
- 1839 Joined Survey 9th September.
Became Registrar of Royal School of Mines.
Handbook on ceramics with De la Beche.
- 1851 Curator of the Museum of practical Geology including the Survey Library.
- 1879 Died 5th May.

Obituaries/biographies

Nature (May 8th 1879)

Geological Magazine (1879) p. 288

Josiah Rees

1843 Resigned, became Judge in Barbados.

Clement Reid F.R.S., F.L.S., F.G.S., etc.

- 1853 Born July 6th. Great-nephew of Michael Faraday. Love for science developed by attendance at lectures for children at the Royal Institution. Trained for business career.
- 1874 Joined Survey as Assistant Geologist. Worked under H.B. Woodward in south west England.
- 1876 Transferred to Norfolk, still under H.B. Woodward; began detailed study of Pliocene and Pleistocene including “Forest-bed” and “Contorted drifts” of the Norfolk coast.
- 1886 Murchison Fund.
- 1894 Promoted to Geologist.
- 1897 Bigsby Gold Medal.
- 1899 Elected F.R.S.
Published: Origin of British Flora.
- 1901 Promoted to District Geologist.
- 1911 Bolitho Gold Medal from Royal Society of Cornwall.
- 1913 Retired from Survey. Vice –President of Geological Society (1913-16).
- 1916 Died December 10th at Milford-on-sea.

Publications

Memoirs: “Cromer” (1882); “Pliocene deposits” (1890). Later worked in Yorkshire, Lincolnshire, Sussex, Hants, Isle of Wight, Dorset, Wiltshire, Cornwall and London area. Memoirs: “Holderness” (1885); “Isle of Wight” (2nd edition 1889) with Strahan; “Water supply of Sussex” (1899) with Whitaker; notes in “Norwich” (1881); “Ringwood” (1902); “Southampton” (1902); “Chichester” (1903); “Dorchester” (1899); “Bognor” (1897); “Eastbourne” (1898); “Padstow and Camelford” (1910); “Tavistock” (1911); “Dartmoor” (1912); “Newquay” (1906). Made special study of palaeontology and botany. Joint memoirs with Mrs. Reid: “The fossil flora of Teqelen-sur-Meuse” (1907); “The Preglacial fauna of Britain” (1908); “Pliocene floras of Dutch-Prussian border” (1915). Study of fossil Characeae with J. Groves (Q.J.).

Contributions to: “Newton Abbott” (1913); “LandsEnd” (1907); “Mevagissey” (1907); “Salisbury” (1903); “North Lincolnshire and South Yorkshire” (1890); “Eskdale” (1885). “Index to De la Beche’s Cornwall, Devon and West Somerset” (1903).

Obituaries/biographies

Geological Magazine (1917) p. 47

Geology of Yorkshire, Kendall and Wroot p. 613

J. Rhind

1853 Joined Survey. Assistant to J.W. Salter.

1857 Died.

W. Rhind

1857 Joined Geological Survey 1st October as Fossil Collector.

1863 (Still on staff, age only 19).

John Rhodes

- 1852 Born May 6th.
- 1881 Joined Survey as Fossil Collector.
- 1898 Assistant in fossil department and fossil collector.
- 1901 Assistant in fossil department.
- 1909 Assistant for Survey collections.
- 1918 Retired.

Frederick William Rudler I.S.O., F.G.S.

- 1840 Born July.
Student at Regent Street Polytechnic. Awarded two gold medals (highest award) in one year.
- 1861 Appointed Assistant Curator in Jermyn Street Museum.
- 1875 Elected F.G.S.
- 1876 Appointed Lecturer in Natural Sciences at University College, Aberystwyth. Established College Museum.
- 1879 Recalled to Jermyn Street on death of Trenham Reeks.
Became Registrar of Royal School of Mines, and Curator and Librarian of Museum. Held former post till removal to South Kensington; and latter till retirement.
- 1887 President Geologists Association, Address: “50 years progress of practical geology”.
- 1888 Hon. Treasurer to International Geological Congress in London.
- 1902 Retired from Survey. Received I.S.O.
- 1903 Lyell Medal.
- 1915 Died January 23rd.

Publications

Prepared: “Guide to the Museum of Practical Geology”; “Catalogue of pottery and porcelain”; “Handbook to collection of minerals of the British Islands (1905). Many papers and articles in scientific journals, widely known as lecturer (eg. University extension courses), Specialist in Mineralogy.

Obituaries/biographies

Geological Magazine (1915) p. 142
History of Geological Society p. 239

Robert Russell C.E., F.G.S.

- 1842 Born May 24th.
- 1867 Joined Survey.
- 1882 Geologist.
- 1891 Resigned. Civil Engineer. Authority on haematite ores of West Cumberland and Furness. For many years closely connected with the Whitehaven Scientific Association – President, Hon. Secretary, etc.
- 1896 Died May 9th at St. Bees.

Part-author with Green, Dakyns, C. Ward, etc of “Yorkshire Coalfield” (1878); also contributed to : “Dewsbury, Huddersfield and Halifax” (1871); “Bradford and Skipton” (1879); “Mallerstang” (1891); “Leeds and Tadcaster” (1871).

Obituaries/biographies

“Whitehaven News” (May 10th, 1900)

John William Salter A.L.S., F.G.S.

- 1820 Born December 15th. Educated at private boarding-school.
- 1835 Apprenticed as natural history draughtsman to James de Carle Sowerby.
Assisted with plates for “Mineral Conchology”.
- 1836-37 1st paper “On the habits of Insects”.
- 1842-6 Worked for Sedgwick at the Woodwardian Museum.
- 1846 Appointed to post on Geological Survey under E. Forbes.
- 1854 Became Palaeontologist to the Survey.
Distinguished for knowledge of Palaeozoic Invertebrata and especially for
researches on Trilobites.
>30 papers in Journal Geological Society, also Geological Magazine,
Contributions to Survey Memoirs and a Monograph on Trilobites.
- 1863 Resigned from Survey.
- 1865 Received Wollaston Fund.
- 1869 Died.

Publications

Memoirs:

- No. 2 Trilobites (1849) with E. Forbes.
No. 5 Echinodermata (1856) with Forbes and S.P. Woodward.
No. 7 Trilobites (1853).
No. 11 Trilobites (1864) with C.W. Thomson.

Monographs:

- No.1 On the genus Pterygotus (1859) with T.H. Huxley.

Lists of fossils in:

- “Edinburgh” (1861); “Peebles” (1869); “East Berwick” (1873).

Obituaries/biographies

- H.B. Woodward, History Geological Society p. 152.
Geological Magazine (1869) p. 477

John Brooke Scrivenor M.A., F.G.S.

- 1876 Born 7th December at Horncastle, Lincolnshire. Son of Rev. A. Scrivenor.
Educated at King's School, Canterbury and Hertford College, Oxford.
- 1900-01 Travelled in Patagonia.
- 1902 Joined Survey.
Part-author of "Newquay" Memoir (1906).
- 1903 Resigned.
Appointed Geologist to Federated Malay States Government.
- 1927 Director.
- 1928 Bolitho Medal.
- 1950 Died.

Obituaries/biographies

Who's Who (1929)

Alfred Richard Cecil Selwyn

- 1824 Born July 28th at Kilmington, Somerset. Son of Rev. Canon Townsend Selwyn and grandson of Bishop of St. Davids. Married daughter of Rev. Edward Selwyn. Educated in Switzerland.
- 1845 Joined Geological Survey under De la Beche.
Mapping in North Wales under Ramsay.
First discovered unconformity between Cambrian and underlying schists.
Also worked in Shropshire.
- 1852 Resigned. Appointed Director of Geological Survey, Victoria.
Undertook investigation of gold-bearing rocks and gravels.
Prepared reports and papers on economic geology of Victoria.
- 1869 Appointed Director to Geological Survey of Canada (on Logan's retirement).
Advanced Canadian geology from economic side.
Worked out geologic structure of eruptive districts of east Canada.
Also assistant to Canadian Commissioners for 3 Great Exhibitions:
"Philadelphia Centennial" (1876); "Paris Universal" (1878); "Colonial and Indian" (1886) (in London).
- 1871 F.G.S.
- 1874 F.R.S.
- 1876 Murchison Medal.
- 1884 Clarke Gold Medal from Royal Society of New South Wales.
- 1886 Made C.M.G.
- 1894 Retired.
- 1902 Died October 19th at Vancouver.

Publications

For papers etc. see Geological Magazine (1899) p. 53,55

Obituaries/biographies

Proceedings Royal Society LXXV (1905) p. 325

Geological Magazine (1899) p. 49

Quarterly Journal Geological Society (1903) p. lxi

Henry Joseph Seymour B.A.

- 1873 Born 5th June.
- 1898 Joined Survey as Temporary Assistant Geologist 25th April.
- 1901 Made Geologist 1st April.
- 1904 Transferred to Ireland. (Petrologist on retirement of Sollas).
- 1909 Resigned 1st November.
- 1909-47 Professor of Geology University College, Dublin.

George Sharman

- 1832 Born September 11th.
- BM.
- 1855 Joined Geological Survey.
- 1865 Promoted.
- 1882 Senior Palaeontologist and Curator of Fossils.
- 1897 Retired.
- 1914 Died March 28th.

Obituaries/biographies

Geological Magazine (1914) p. 240

John Shelswell

1868 Joined Survey.

1876 Resigned.

William Charles Simmons

1888 Born February 20th.

1911 Joined Survey.

1913 Resigned.

Publications

Contributed to Memoirs on “Liverpool” (1923); “Flint” (1924); “Thicknesses of strata” (1916).

Harriman Malcolm Skae

- 1847 Born October 4th.
- 1867 Joined Survey.
- 1889 Died February 28th.

Publications

Memoirs: “Dumfries, Thornhill, Monsave, new Galloway” (1877) with Horne and Geikie.
“Sanquhar, New Cumnock, Leadhills (1871) with Geikie, Peach, Jack and Horne.

Sydney Barber Josiah Skertchly

- 1850 Born December 14th at Ansty, Leicestershire.
 Royal School of Mines.
- 1867 Assistant in Geological Society Library and Museum.
- 1870 Assistant Geologist on Geological Survey.
- 1870-71 Seconded as Geologist to the Khedive of Egypt.
- 1872 Wrote “Elementary Physical Geography”.
- 1876 Announced discovery of flint implements beneath boulder clay in East Anglia.
 Best known for Memoir on “Geology of Fenland” (1877); “The Fenland past
 and present “ (1878) with S.H. Miller; “On the manufacture on gun flints”
 (1879).
- 1881 Retired from Survey.
- 1888 In California.
- 1889 In Borneo.
- 1893 Teaching botany in Hong Kong.
 Paper with J.W. Kingsmill on Loess of Shangtung (Q.J. 1895).
 Paper on Geology of Queensland.
 President of the Royal Society of Queensland.
- 1926 Died February 2nd at Brisbane.

Obituaries/biographies

Quarterly Journal (1927) p. lx

Warington Wilkinson Smyth M.A., F.R.S.

- 1817 Born at Naples, son of Admiral W.H. Smyth D.C.L., F.R.S., etc. and of daughter of British Consul at Naples, Thomas Warington. Educated at Westminster and Bedford Schools and Trinity College, Cambridge.
- 1839 Took B.A. degree. Gained travelling bachelorship and travelled for four years in Germany, Austria, Hungary, European Turkey and Asia Minor, studying mineral products and mining industries.
- 1844 Returned to England.
- 1845 Appointed to Geological Survey. Memoir Vol. II part 2 (1848), essays in...
- 1851 On formation of Royal School of Mines, became lecturer on mineralogy (till 1881) and mining (till 1890). Appointed Inspector of Mineral Property of the Duchy of Cornwall, then Chief Mineral Inspector to the Crown.
- 1856-66 Hon. Secretary Geological Society.
- 1856 Published "A year with the Turks".
- 1866-67 President of Geological Society.
- 1867 Published "A rudimentary treatise on coal and coal mining".
- 1874 Appointed Chairman of Royal Commission on Accidents in Coal Mines.
- 1874-90 Foreign Secretary of Geological Society.
- 1887 Knighted.
- 1890 Died June 19th.

Obituaries/biographies

Geological Magazine (1890) p. 383.

Times 20th June 1890. [Copy held with ms.]

Obituary. [Source unknown - held with ms.]

Obituary by F.W. Rudler. [Source unknown - held with ms.]

William Johnson Sollas M.A., LL.D.(Dublin), D.Sc., F.R.S., etc.

- 1849 Born May 30th at Birmingham. Educated at City of London School, Royal School of Mines, and St. John's, Cambridge (M.A).
- 1882 Fellow of St. John's College, Cambridge.
- 1879-83 Professor of Geology and Zoology, Bristol.
- 1883-97 Professor of Geology and Mineralogy, Trinity College, Dublin.
- 1889 F.R.S.
- 1893-97 Joined Survey (Irish branch ?).
- 1897 Resigned from Survey.
 Appointed Professor of Geology and Palaeontology, Oxford.
- 1908-09 President of Geological Society.
- 1936 Died. 20th October at Oxford.

Publications

“Age of the Earth” (1908)

“Rocks of Cape Coville Peninsula, New Zealand” (2 vols.) (1905)

“Ancient Hunters” (1911) (3rd edition 1924)

Numerous papers – geological, mineralogical, zoological and anthropological.

“Tetractimellida” – 24th vol. Of “Challenger” reports.

[Newspaper cutting: A Dublin Scientific Investigator: the formation of coral islands (incudes a picture of Sollas) - held with the ms.]

Who's Who (1929)

Obituaries/biographies

Times (October 2nd, 1936)

Oxford Magazine November 5th, 1936, (K.S. Sandford);

Nature (1936) (W.W. Watts.)

Royal Society Obituary Notices;

Proceedings Geological Society of America 19. JSF.

Transactions Royal Society of Edinburgh, vol. LVI, part III, 1937. (J.S. Flett.)

Rev. G.G. Stokes Bart.

(He was Sir G.G. Stokes)

1855 Joined Survey

1859 Resigned

Obituaries/biographies

Proceedings Royal Society Vol. LXXV (1905) pp. 199-216

Memoir and Scientific Correspondence, J. Larmor (1907) (2 vols).

R.S. Stokes

1855 Joined Survey

1859 Resigned

Aubrey Strahan M.A., K.B.E., D.Sc., F.R.S.

- 1852 Born April 20th in Sidmouth, South Devon.
Educated at Eton and St. Johns College, Cambridge.
- 1874 or 75 Graduated in Natural Science Tripos.
- 1875 Appointed Assistant Geologist on Geological Survey under Ramsay,
Field work in South Lancashire then Cheshire, Lower Carboniferous of
Flintshire, Silurian of Clwydian range, Trias of Vale of Clwyd.
- 1883 Transferred to Lincolnshire to assist in completing last of Ordnance Survey
1inch maps.
- 1884,5 Sent to Kendal and Sedburgh.
- 1886 Revised mapping of Coal Measures, Cambrian and Pre-cambrian near
Nuneaton. Examined mines in Derbyshire for 2nd edition of North Derbyshire
Memoir.
Began 6 inch survey of south part of Isle of Wight.
- 1887 Continued work into Purbeck.
- 1891 Began re-survey of South Wales Coalfield, continued till completion, Memoir
with W. Pollard.(Isle of Man (1892) and Cumberland Coalfield (1894)).
- 1894 Wollaston Fund.
- 1896 Geologist.
- 1901 District Geologist.
- 1903 Elected F.R.S.
- 1904 President Section C, British Association at Cambridge.
- 1905 Reported on Coalfields of Lancashire, Cheshire and North Wales for the Royal
Commission on Coal Supplies, also made a report to Royal Commission on
Arsenic Poisoning.
- 1909 Promoted to Assistant to Director.
British Association meeting at Winnipeg.
- 1910 Attended International Geological Congress at Stockholm.
- 1913 Contributed British section to Canadian volumes on the “World’s Coal
Resources” at International Congress at Toronto. Vice-President at Congress.

Received Honorary LL.D. from Toronto University.

- 1912-14 President of Geological Society.
- 1914 Appointed Director of Geological Survey.
- 1919 Made K.B.E. Received Wollaston Medal.
- 1920 Retired.
- 1928 Died March 4th at Goring, Berkshire.

Publications

List of Memoirs and Papers:

Geological Magazine (1915) p. 196-8.

Memoirs:

“Rhyl” (1885); “Flint” (1882); “Purbeck” (1898); “Coals of South Wales” (1915); “South Wales Coalfield, parts I and IX and part-author of II, III, IV, V, VI, VII, VIII, X, XI;.

Contributed to:

“Thicknesses of Strata” (1916); “Lincoln” (1888); “Ingleborough” (1888); “Mallerstang” (1891); “North Derbyshire 2nd edition” (1887); “Isle of Wight 2nd edition” (1889); Kendal 2nd edition” (1888).

Special Reports:

V. Potash, Feldspar (1916); VII. Mineral Oil (1920); XIII. Iron Ores (1920); XXVI. Lead and Zinc (1923).

Guides to Models:

“Ingleborough” (1910); “Purbeck” (1906); “Thames Valley and Goring” (1924).

Obituaries/biographies

Geological Magazine (1915) p. 193

Geological Magazine (1928) p. 239

Quarterly Journal Geological Society (1929) p. lviii

Nature (March 24th, 1928) p. 461

Richard Glascott Symes M.A.

- 1840 Born May 8th in Kingstown, County Dublin, son of Glascott Symes M.D.
Educated at Trinity College, Dublin, M.A. and Engineering degrees.
- 1863 Joined Geological Survey of Ireland as Assistant Geologist under J.B. Jukes.
- 1869 Promoted to Geologist.
Surveyed 6 one inch sheets and part of 17 others.
- 1874 Secretary of Section C. at British Association in Belfast.
- 1878 Secretary of Section C. at British Association in Dublin.
- 1890 Transferred to Scotland on completion of 1 inch survey of Ireland. Surveyed
parts of Kintyre and Oban districts.
- 1900 Retired from Survey.
- 1906 Died July 27th near Dublin.

Obituaries/biographies

Geological Magazine (1906) p. 432

Jethro Justinian Harris Teall M.A., D.Sc., F.R.S., F.G.S., LL.D.

- 1849 Born January 5th at Northleach, Gloucestershire. Educated at private schools and St. John's College, Cambridge (Tutor T.G. Bonney).
- 1872 1st class in Natural Science Tripos.
- 1873 B.A.
- 1875 Elected to College Fellowship.
- 1876 M.A.
- 1874 Gained Sedgwick Prize for essay on "Polton and Wicken Phosphatic Deposits". Took up petrological research and University extension lecturing. Work on Cheviot andesites, North of England dykes and Whin Sill, also dolerite into Hbd. Schist, Lizard gabbros and origin of certain banded gneisses.
- 1888 "British Petrography" published.
Joined Survey as Petrographer, worked on Highland rocks and Jurassic sedimentaries.
Principal contribution to memoirs in "North-west Highlands" and "Silurian rocks of Scotland".
Record of results also in Annual Report and Summary of Progress (1892).
- 1889 Bigsby Medal.
- 1890 Elected F.R.S.
- 1893-97 Secretary of Geological Society.
- 1900-02 President of Geological Society.
- 1901 Became Director of Geological Society (including Irish Survey until 1905).
- 1905 Wollaston Medal.
- 1907 Delesse Prize of Academy of Sciences in Paris.
- 1914 Retired.
- 1916 Knighted.
- 1924 Died July 2nd.

Publications

List of publications:

Geological Magazine (1909) pp. 5-8

Petrological notes contributed to following Memoirs:

“Silurian rocks” vol.1 (1899); “NW Highlands” (1907); “Cowal” (1897); “Mid-Argyll” (1905); “Oban” (1908); “Islay” (1907); “Glenelg” (1910); “West Aberdeenshire” (1896); “Fannich Mountains” (1913); “Kirkcudbright” (1896); “Exeter” (1902); “Mevagissey” (1907).

Obituaries/biographies

Geological Magazine (1909) p. 1

Geological Magazine (1924) p. 382

Quarterly Journal Geological Society (1925)p. lxiii

Ivor Thomas D.Sc., Ph.D.

- 1877 Born November 24th. Began career as a teacher at Glanamman Council School, then graduated at Aberystwyth.
Went to Germany and studied geology under Professor E. Kayser. Became graduate of Marburg University.
- 1905 Returned to England. Appointed to Geological Survey as Assistant Palaeontologist. Most important published work “Studies of Carboniferous Brachiopods (1910 + 1914 Memoirs).
- 1912 Transferred to Welsh Inspectorate of Schools.
- 1918 Died March 30th.

Publications

Memoirs of Geological Survey, Monographs:

“British Carboniferous Orthotetinae” (1910)

“British Carboniferous Producti” (1914)

Obituaries/biographies

Quarterly Journal Geological Society Vol. LXXV (1919) p. lxxvii

Richard Hill Tiddeman M.A., F.G.S.

- 1842 Born February 11th.
- 1864 Appointed Assistant Geologist in Geological Survey.
Worked for 20 years on Carboniferous rocks of Yorkshire, Cumberland and Lancashire. Later in North Wales.
Contributed to many Survey memoirs and maps.
- 1870 Promoted to Geologist.
- 1902 Retired from Survey.
- 1911 Murchison Medal.
- 1914 Elected President of Yorkshire Geological Society.
- 1917 Died February 20th.

Publications

Papers: “Evidence for ice-sheet in North Lancashire..” (1872)(Q.J. XXVIII p. 471)
“Older deposits in Victoria Cave, Settle, Yorks.” (1873) (G.M. p. 11)
“Carboniferous Trilobites....” (1894) (Henry Woodward. Notes by Tiddeman – G.M. p. 481)
“Age of raised beach of South Britain as seen in Gower” (1900) (G.M. p. 441)
“On the formation of reef-knolls” (1901) (G.M. p. 20)

Memoirs: “Burnley Coalfield (1875) with Hull, Dakyns, C. Ward etc.; “South Wales Coalfield Part IV Pontypridd” (1903) with Strahan and Gibson; “South Wales Coalfield Part VIII Swansea” (1914); “Water-supply of Oxfordshire” (1910); “Rhyl, Abergele and Colwyn” (1885); “Mallerstang” (1891) with Dakyns, Russell, Clough, Strahan, etc.; “Kendal, Sedburgh etc.” (1888); “Kirkby Lonsdale” (1872) with Aveline and McK. Hughes; “Appleby, Ullswater etc.” (1897) with Dakyns and Goodchild; “Ingleborough” (1888) with Dakyns, Gunn, Strahan etc.

Obituaries/biographies

Geological Magazine (1917) p. 238

Charles Tookey F.I.C., F.C.S.

- 1828 Born May 13th at Oddingley Rectory, Worcestershire. Educated at Bromsgrove School.
- 1851 Student at Royal College of Chemistry.
- 1852 Assistant at Royal College of Chemistry.
- 1854-5 Assistant to Dr. Stenhouse at Barts.
- 1856-65 Assistant to Dr. Percy at Royal School of Mines.
Analysed South Staffordshire iron ores for part II of “Iron Ores of Great Britain” 1858
- 1865-68 Appointed Assayer in H.M. Mint at Hong Kong.
- 1870-7 Assayer, Chemist, Superintendent of refinery and Temporary Director at the Japanese Imperial Mint at Osaka.
- 1874-78 Chemist on the Admiralty Boiler Committee.
- 1906 Died January 3rd.

Not in staff Register

Publications

Papers:

- “On the separation of tin from antimony, and on the analysis of alloys containing lead, tin, antimony and Copper” (1862);
- “On the manipulation of assays of gold and silver bullion” (1870).

William Topley F.R.S., F.G.S.

- 1841 Born March 13th at Greenwich.
- 1858-61 Student at Royal School of Mines.
- 1862 Appointed Assistant Geologist on Geological Survey.
Field work in Wealden area under Le Neve Foster. Elected F.G.S.
- 1865 Joint paper with Foster on “Denudation of the Weald” (Q.J.),
Memoir on the Weald published 1875.
- 1868 Promoted to Geologist.
Worked in Northumberland and Durham Coalfield, chiefly on Carboniferous
and Glacial Drifts. With Lebour studied Whin Sill and proved its intrusive
character.
- 1872 Committee of sub-Wealden exploration began work. Topley sent by
Geological Survey to report on borings.
- 1872-8 15 times Secretary of Geology Section at British Association.
- 1874 Association of Institution of Civil Engineers.
- 1875 Examiner in Geology to Durham University. Succeeded Bristow as examiner
to Science and Art Department.
- 1880 Field work in Northumberland abandoned.
Moved to Jermyn Street to superintend publication of maps and memoirs.
- 1881 Appointed to superintend publication of British section of geological map of
Europe, promised by International Geological Congress.
- 1885 President of Geologists Association.
Report on National Geological Surveys of Europe.
- 1888 Elected F.R.S.
- 1888 Prepared with Goodchild geological map of Europe for vol. II of Prestwich’s
Geology.
- 1893 Took entire charge of office [Jermyn Street] on retirement of Edward Best.
- 1894 Offered Chair of Committee of Bibliography at International Geological
Congress at Zurich.
- 1894 Died September 30th.

Publications

Completed 21 Survey maps. Published 82 papers and memoirs on subjects: Phosphates; silver and gold; Channel Tunnel; Coal in Kent; Water-supply; petroleum; sanitation.

Obituaries/biographies

Proceedings of Royal Society vol. LIX (1896) p. lxxix

Geological Magazine (1894) p. 570

Quarterly Journal Geological Society vol. LI (1895)

William A. Traill

1868 Joined Survey (Ireland).

1880 Resigned.

Publications

Memoirs: (Ireland), Sheet 49 and 50 (1872) with Egan.

Richard Trench

- 1836 Born
- 1858 Joined Geological Survey as Assistant Geologist. Memoir:
“Northamptonshire” (1860) with Aveline.
- 1860 Resigned. Appointed to Geological Survey of India.
- 1861 Died May 27th.

Obituaries/biographies

Annual Report (1860-1) Geological Survey of India p. 11
Quarterly Journal of Geological Society (1863) p. xxix

Edward J.A. Trimmer

1854 Joined Survey – April 1st. Resigned 25th June.

Joshua Trimmer

- 1846 Joined Survey.
Initiated detailed study of distribution of superficial deposits.
- 1850 Issued “Proposals for a Geological Survey, specially directed to agricultural objects”.
- 1854 Resigned from Survey.
- 1857 Died September 16th.

John Tyndall

1859 Joined Survey.

1868 Resigned.

William Augustus Edmond Ussher

- 1849 Born July 8th.
- 1868 Joined Geological Survey.
Chief work in south-west Counties – correlations of Trias and Carboniferous of Devon with other parts and succession and subdivision of Devonian rocks (with Champernowne).
Results in Memoirs. Q.J. papers and Transactions Devon Association.
- 1892 Promoted to Geologist.
- 1909 Retired.
- 1914 Murchison Medal.
- 1920 Died March 19th.

Publications

Memoirs: “Exeter” (1902); “Torquay” (1903); “Kingsbridge” (1904); “Plymouth” (1907); “Quantock Hills” (1908); “Wellington and Chard” (1906); “Ivybridge” (1912); “Newton Abbott” (1913);

Also in part – “Sidmouth” (1911); “Dartmoor” (1912); “Bodmin” (1909); “Lincoln” (1888); “North Lincolnshire and South Yorkshire” (1890).

Obituaries/biographies

Quarterly Journal of Geological Society (1921) p. lxxiii

James Clifton Ward

- 1843? Born.
- 1861 Entered Royal School of Mines as a student.
- 1864 Gained Edward Forbes Medal.
- 1865 Joined Geological Survey. Sent to Yorkshire, worked on Millstone Grit and Lower Coal Measures (paper to Geological Society 1869).
- 1869 Transferred to Keswick. Memoir: "Lake District" (1876); Papers: "Lake basins of Cumberland" (Q.J. 1874); "Glaciation of south part of Lake District (Q.J. 1875).
- 1875-76 Engaged in microscopical examination of Lake District rocks. Papers: "Granitic, granitoid and metamorphic rocks of the Lake District" (Q.J. 1875, 1876); "Comparative microscopic rock structure of Ancient and Modern volcanic rocks" (Q.J. 1875). Founded the Cumberland Association for Advancement of Lit. and Sci.
- 1877 Left Lake District for Lower Carboniferous of Bewcastle.
- 1878 Entered the Church. Licensed to curacy of St. John's, Keswick.
- 1880 Appointed to Vicarage of Rydal.
- 1880 Died.

Memoirs: "Lake District, north part of" (1876); "Leeds and Tadcaster" (1870) with Aveline, Green, Dakyns, Russell.; "Dewsbury" (1871) with Green, Dakyns, Russell.; "Appleby" (1897) (petrological notes); "Yorkshire Coalfield" (1869) with Green and Dakyn.; "Burnley Coalfield" (1875) with Hull, Dakyns etc.

Obituaries/biographies

Geological Magazine (1880) p. 334

James Lillie Warren

1867 Joined Survey (Ireland).

1872 Died November 26th.

William Whitehead Watts LL.D., D.Sc., M.Sc., F.R.S.

- 1860 Born at Broseley in Shropshire.
School at Denstone. Scholarship to Sidney Sussex College, Cambridge.
- 1881 1st class in Geology in Natural Science Tripos.
- 1881-91 University extension lecturing and various deputy-professorships.
- 1891 Appointed to Irish Geological Survey. Given charge of Survey Collections in National Museum in Dublin.
Transferred to English Survey, acted as Petrographer till 1897.
- 1897 Resigned from Survey. Appointed to new assistant professorship at Mason College with Lapworth.
- 1904 Made Member of Senate and Professor of Geography in the newly constituted University of Birmingham.
Elected to F.R.S.
- 1906 Succeeded Judd at Royal College of Science.
Continued as Professor on reconstitution with Royal School of Mines and Central Technical College as Imperial College of Science and Technology.
Worked on a succession of rocks in Shropshire, partly with Lapworth (paper in Q.J.).
Survey work: (in addition to routine petrographical work)
Examination of rocks collected by Jukes and others in Ireland and deposited in Survey Museum in Dublin.
Description of Isle of Man rocks (in association with Lamplugh's work on crush-conglomerates).
Mapping and description of Charnwood Forest rocks.
Handbook to Inst. rock collections

Publications

Contributed petrological notes to following memoirs:

“Appleby” (1897); “Northumberland – Wooler and Coldstream” (1895); “Atherstone and Charnwood Forest” (1900); “South Wales Coalfield II, Abergavenny”; “Isle of Man” (1903).

Obituaries/biographies

Geological Magazine (1915) p. 481

Charles B. Wedd B.A.

1868	Born June 13 th .
1898	Joined Survey as Assistant Geologist.
1901	Promoted to Geologist.
1922	Promoted to Senior Geologist.
1929	Retired.

Publications

Contributed to following memoirs:

“Special Report vol. XII Iron Ores (1920); “Flint” (1924); “Macclesfield” (1900); “Stoke-upon-Trent” (1902 2nd edition 1905); “Derbyshire and Nottinghamshire Coalfield” (1908); “Melton Mowbray” (1909); “Glenelg” (1910); “Derbyshire Coalfield” (1913); North Staffordshire Coalfield” (1905); “Liverpool” (1923).

William Whitaker

- 1836 Born May 4th in London. Educated at St. Albans Grammar School and University College London.
- 1855 B.A. Hons. In Chemistry.
Engaged as assistant in Geological Museum.
- 1857 Appointed to Geological Survey.
Worked with Hull, Polwhele and Bauerman in Oxfordshire and Berkshire, and the country near Brill, Buckinghamshire.
Later with Bristow in Berkshire and N. Hants.
- 1859 Elected F.G.S.
- 1863 Promoted to Geologist.
Took on original survey of London Basin.
Also whole of Essex and Suffolk and parts of West Norfolk and Cambridge.
- 1882 Appointed District Surveyor, stationed at Southampton. Surveyed parts of S. Hants. And superintended re-surveys in Bedford, Berkshire, Buckinghamshire, Dorset, Northants, Oxford and Wiltshire.
Leading authority on water-supply and underground geology.
- 1885 Associate Institution of Civil Engineers. A.I.C.E.
- 1886 Murchison Medal.
- 1887 Elected F.R.S.
- 1896 Retired.
- 1898-00 President of Geological Society.
- 1906 Prestwich Medal.
- 1923 Wollaston Medal.
- 1925 Died January 15th.

Publications

List of papers and geological Survey Publications see “Geological Magazine (1907), pp. 52-58).

Memoirs: “Memoir Geological Survey vol. IV London Basin” (1872); “London and parts Thames Valley, vols. I and II” (1889); “Guide to Geology of London” (1901); “Parts of Middlesex” (1864); “Ipswich etc” (1885); “East Essex” (1877); “Southwold and Suffolk

Coast" (1887); "Halesworth and Harleston" (1887); "Parts of Berks. and Hant." (1862) with Bristow; "Parts of Oxford and Berks." (1861) with Hull; "N.W. Essex" (1878) with Penning, Dalton and Bennett; "Stowmarket" (1881) with Bennett and Blake; "Cambridge and Suffolk" (1891) with Woodward and Jukes-Browne; "Borders of the Wash" (1899) with Jukes-Browne; "Bury St. Edmonds" (1886) editors contribution; "Aldborough" (1886) editors contribution.

Water Supply Memoirs:

"Bucks and Herts" (1921); "Cambridge, Hants. And Rutland" (1922); "Essex" (1916); "Kent" (1908); "Norfolk" (1921); "Suffolk" (1906); "Surrey" (1912); "Sussex" (1899); "Sussex (supplement)" (1911); "Berkshire" (1902); "Lincolnshire" (1904).

Obituaries/biographies

Geological Magazine (1925) p. 240

Geological Magazine (1907) p. 49

Nature (1925) p. 129

Proceedings Royal Society (1925) p. ix.

Sydney Berdoe Neal Wilkinson

- 1849 Born April 5th, Montreal.
- 1867 Joined Geological Survey as Assistant Geologist 1st August.
- 1873 Promoted to Geologist.
- 1890 Transferred to the Geological Survey of Scotland.
- 1898 Transferred from Argyll to Cornwall.
- 1905 Transferred to Ireland.
- 1914 Retired 5th April.
- 1928 Died 28th June at Derry.

Publications

Contributed to Memoirs: “South Wales Coalfield part IX West Gower” (1907); “South Wales Coalfield part X Carmarthen” (1909); “Lands End” (1907); “Islay” (1907); “Mid-Argyll” (1909); “Knapdale, jura etc.” (1911).

David Hiram Williams

- 1839 Joined Geological Survey April 15th. Worked with Logan in South Wales.
- 1845 Appointed Geological Surveyor to East India Company.
Examined and reported on the Raniganj coalfield: “A geological report on the Damoodah Valley” (1850).
- 1849 Died of jungle fever at Hazaribagh.

See J.F. North “History of Geology in South Wales” (Transactions Cardiff Naturalists Society vol. LXVII (1934)) and other referenced (North), Ibid vol. LXV (1934).

Obituaries/biographies

Memoir on Indian Surveys. C.R. Markham (1878) p. 209

Rev. Robert Willis

1853 Joined Survey.

1869 Resigned.

Leonard Johnston Wills M.A.

- 1884 Born February 27th.
- 1909 Joined Survey.
 Memoir "London Wells" (1913) with Barrow.
- 1913 Resigned.
 Appointed Lecturer at Birmingham University.

Walter Lindsay Willson

- 1845 Joined Survey (Ireland) 24th June.
- 1856 Resigned 12th November.
- 1857 Appointed to Indian Survey.
- 1878 Died 27th March at Calcutta.

James Simpson Grant Wilson

- 1855 Born June 2nd. Educated at St. Andrews University. While there carries out series of analyses on minerals under Heddle.
- 1876 Joined Geological Survey as Assistant Geologist.
First field mapping under Peach and Jack in Eskdale and Liddesdale.
Later mapped large areas of crystalline schists in Banffshire, North East Aberdeenshire, Central Perthshire near Ben Nevis and parts of Knapdale Plateau in Argyll.
While in Perth made series of soundings in Lochs Tay, Earn and Tummel, results published in Scottish Geographic Magazine (1888).
Undertook revision of Fife Coalfield and examination of new mines and bores. (Services acknowledged by Geikie in memoirs on East and Central Fife).
Paper in ?? Geol. Mag. - Tay Valley.
Made analyses of volcanic rocks – some published in “Ancient Volcanoes” and in the North West Highlands memoir.
Made analyses also of Carboniferous limestones from Midland Valley.
- 1901 Promoted to Geologist.
- 1908 Died December 29th.

Publications

Memoirs: “North Aberdeenshire and East Banff” (1882); Also in part – “Edinburgh” (1910); “Glasgow” (1911); “Oil Shales of the Lothians “ (1912); “Oban” (1908); “Seaborad of Mid-Argyll” (1909); “Knapdale and Jura” (1911); “Blair Atholl” (1905); “Central Aberdeenshire” (1890); “Lower Strathspey” (1902); “Ben Nevis” (1916); “Central Coalfield of Scotland Area VII (1920).

Obituaries/biographies

Geological Magazine (1909) p. 91

G. Hyde Wollaston

1868 Joined Survey.

1871 Resigned. Became Master at Clifton College.

Horace Bolingbroke Woodward F.R.S., F.G.S.

- 1848 Born August 20th. Son of S.P. Woodward (Palaeontologist).
Educated at private School.
- 1863 Appointed assistant to Geological Society, Secretary was H.M. Jenkins.
- 1867 Appointed Assistant Geologist on Geological Survey under Murchison.
Worked under Bristow in Somerset and other districts.
Took part in first drift survey of London area.
Transferred to Somerset Coalfield, worked in Devon, Somerset and Dorset.
Transferred to Norfolk and Norwich.
- 1875 Promoted to Geologist.
- 1885 Murchison Fund.
- 1894 On death of Topley took charge of Jermyn Street Office under Geikie.
- 1896 Appointed District Surveyor.
- 1896 Elected F.R.S.
- 1897 Murchison Medal.
- 1899 Acting Director for England and Wales.
- 1901 Assistant to Director.
- 1908 Retired.
- 1909 Wollaston Medal.
- 1914 Died February 6th at Croydon.

Publications

Memoirs/Publications:

“London District (revised 1922); “East Somerset and Bristol Coalfields (1876); “Norwich” (1881); “Jurassic rocks of Britain, 3 vols. III, IV, V(1893-5);

Water Supply memoirs London 1909 etc.

“Geology of England and Wales” (1876); “Memorial of John Gunn” (1891); “History of the Geological Society” (1907); “Geology of water supply” (1910); “History of Geology” (1911); “Geology of soils and subsoils” (1912);

Edited late editions of Stanford’s Geological Atlas of Great Britain and Ireland.

Fakenham, Wells & Holt (1884); “Water supply of Bedfordshire and Northants.” (1909);

Water supply of Lincolnshire” (1904); “Cambridge and Suffolk” (1891) with Whitaker and

Jukes; “Sidmouth and Lyme Regis” (1906) with Ussher; “Glenelg” (1910) with others.

Contributed to:

“Oxford” (1908); “South Wales Coalfield, part VI” (1904); “East Dereham” (1888);

“Cromer” (1882); “Salisbury” (1882); “Wellington and Chard” (1906).

Obituaries/biographies

Proceedings Royal Society (B) vol. 91

Geological Magazine (1914) p. 142

Andrew Wyley

1847 Joined Survey

1855 Resigned.
 Appointed to Geological Survey of South Africa.

Obituaries/biographies

See “Pioneers in South African geology and their work”. A.W. Rogers.

Transactions Geological Survey South Africa, Annexure to vol. XXXIX (1937) pp. 50-62 etc.

Alfred H. Wynne

1855 Joined Survey.

1857 Resigned.

? To India.

Arthur Beavor Wynne

- 1837 Born October 15th at Sligo.
- 1855 Appointed Assistant Geologist on Geological Survey of Ireland 1st April under Jukes. Survey work chiefly in Tipperary, Waterford and Cork.
- 1862 Resigned 30th September. Appointed to Indian Geological Survey. Worked for 11 years in neighbourhood of Bombay and in the Punjab on problems of mountain-building and stratigraphy of the Salt Range.
- 1883 Retired from Indian Survey (ill-health).
Rejoined Irish Survey 24th August; took charge of office work on death of J. O'Kelly.
- 1889 President of the Royal Geological Society – Ireland.
- 1890 Retired 31st August.
- 1906 Died 22nd December at Veytaux, Switzerland.

Publications

Results of work on memoirs of Geological Survey of Ireland and India. Papers to Geological Magazine (1867, took part in great discussion on Denudation), papers also to Geological Society and to Royal Geological Society of Ireland.

Obituaries/biographies

Geological Magazine (1908) p. 143

Quarterly Journal Geological Society (1908) p. lxii

John M.D. Young M.D., F.G.S.

- 1835 Born at Edinburgh. Educated at Edinburgh High School and University.
- 1857 Took M.D. degree.
Became resident physician in the Infirmary for about a year; then joined staff of Royal Edinburgh Asylum.
- 1861 Joined Scottish Geological Survey.
Undertook re-survey of Fife and the Lothians for purposes of “drift” mapping. Transferred to Peebleshire, mapped area around Upper Tweed.
Then stationed in St. Andrews to assist in new survey of Ochils. Memoir: “East Lothian” (1866) with Howell and Geikie.
- 1866 Resigned from Survey.
Appointed to Chair of Natural History at Glasgow (held for 36 years). In addition to zoological work, lectured on Geology and was Keeper of the Hunterian Museum.

Publications

Chief geological work in palaeontology and glacial geology. Wide knowledge in biology, geology, history, philosophy and anthropology – shown in paper to Glasgow Geological Society “From geology to history”.

Published text-books for schools on physical geography (1874).

Papers for the Transactions Geological Society Glasgow:

“On some points in surface geology of South highlands”.

“Local unconformity in sections near Bishopbriggs”.

“Some points in geological terminology”

“On mammalian remains from Cresswell Crag bone caves”.

“A.C. Ramsay.

Obituaries/biographies

Hist. Geol. Soc. Glasgow (1908) p. 210

