

Biographical Register

This register includes the names of authors active in the production of popular science literature between approximately 1900 and 1945, along with a small number of late-Victorian figures whose works were still available in the early years of the new century. It is fairly comprehensive (although by no means complete) for the authors of books in self-education series, but makes no attempt to list all the authors who wrote for magazines. A small number of authors who wrote frequently for popular science magazines has been added to the list originally published, along with authors of books not previously noted (new names are indicated by an asterisk). The main purpose of the list is to illustrate the training and background of the writers, with a view to establishing how many had qualifications in science or were professional scientists (see chapter 12 of *Science for All* for an analysis). For some minor figures it has been impossible to obtain independent biographical information, but degrees or affiliations listed on the title pages of their books are included.

University degrees (with subject where known) are listed. The most basic qualification was the BA (Bachelor of Arts) or BSc (Bachelor of Science), but both Oxford and Cambridge give the BA for study in either the arts or the sciences. The Oxbridge BA is converted automatically to an MA after four years. It was not uncommon for someone earning a BSc from a provincial university to take a BA in Natural Sciences from Cambridge instead of moving straight on to a higher degree. The MSc (Master of Science) is an earned degree, as is the PhD (Doctor of Philosophy). The DSc (or ScD, Doctor of Science) was sometimes given as an honorary degree, although at this time it was more frequently earned by research. Note that the Royal College of Science, London, was later incorporated into the Imperial College of Science and Technology. Medical training earned the MB and MD (Bachelor of Medicine and Doctor of Medicine). Where there is no ambiguity, universities are identified below solely by their location.

Postnominals indicating eminence in the field are FRS (Fellow of the Royal Society), FRSE (Fellow of the Royal Society of Edinburgh) and MRIA (Member of the Royal Irish Academy – Ireland was still part of the United Kingdom until 1922 and Northern Ireland scientists and scholars continue to be elected).

Postnominals indicating technical accreditation include FIC (Fellow of the Institute of Chemistry), FIP (of Physics), AMIMEch E and MIMechE (Associate Member or Member of the Institute of Mechanical Engineering,) and the equivalent (A)MIEE and (A)MIMinE for the Institutes of Electrical and Mining Engineering. In the areas related to natural history, expertise was recognized by the FLS (Fellow of the Linnean Society), FZS (Zoological Society), FGS (Geological Society), FRGS (Royal Geographical Society), FRMS (Royal Microscopical Society) and MBOU (Member of the British Ornithological Union).

ABERCROMBIE, Michael (1912-1979), FRS, 1958. Oxford MA in biology, 1938.

Lecturer in zoology, Birmingham, 1938-46. Lecturer then reader in anatomy, University College, London, 1946-59. Professor of embryology, University College, 1959-62, then Jodrell professor of zoology, 1962-70.

ADAMS, Mary (née Campin) (1898-1984). Botany degree, University College, Cardiff, 1921. Research scholar, Newnham College, Cambridge, 1921-25. Extra-mural lecturer, Cambridge, 1925-30. BBC radio and television producer, 1930-36. TV producer in post-war years.

- ADDYMAN, Frank T. (1866-1938). FIC, 1893. London BSc in chemistry. Lecturer in Chemistry, St. George's Hospital Medical School. Author of books on electricity, X rays and agriculture; frequent contributor to *Conquest* magazine.
- ADLAM, George Henry Joseph (b. 1876). FIC. MA, BSc. Chemistry master, City of London School.
- AINSWORTH-DAVIS, James Richard. See DAVIS, James Richard Ainsworth.
- ALCOCK, Nathaniel Henry (1871-1913). Lecturer in physiology, St. Mary's Medical School, 1902-9 and author of experimental physiology textbook. Medical writer and editor of *Science Progress*.
- ALEXANDER, William Backhouse (1885-1965). Cambridge MA in natural sciences. Superintendent, Western Australia Museum, 1912-20. Worked at Division of Research in Economic Ornithology, Oxford, and was from 1930 director of Oxford Bird Census.
- ALEXANDER, William. Research metallurgist.
- ALLEN, Charles Grant Blairfindie (1848-1899). Oxford B.A. Professor of logic and principal, Queen's College, Jamaica, 1873-76. Novelist and science writer.
- ALLEN, Clarence Edgar (1871-1951). AMIMechE. Mechanical and electrical engineer.
- ALLEN, Frank. Professor of physics, University of Manitoba.
- ANDRADE, Edward Neville da Costa (1887-1971). FRS. First-class honours in physics, University College, London, 1907. Heidelberg PhD, 1911. Professor of physics, Royal Artillery College, Woolwich, 1920. Quain professor of physics, University College, London, 1928.
- ARBER, Edward Alexander Newell (1870-1918). PhD. Demonstrator in palaeobotany, Cambridge. Husband of Agnes Arber, writer on history of botany.
- ARMSTRONG, Edward Frankland (1878-1945). FRS. Studied at Kiel and Berlin; PhD, Berlin, 1901; DSc, London, 1905. Chief chemist at Huntley and Palmer (biscuit manufacturers), 1905. Research director, Joseph Crossfield and Sons (manufacturing chemists), 1914. Director, British Dyestuffs Corporation, 1925.
- *ARMSTRONG, Henry Edward. Imperial College, later active in journalism.
- ATTWOOD, Edward Lewis (b. 1871). Royal Corps of Naval Constructors.
- AUBERTIN, Daphne E. (1902-1970). FLS. MSc. Assistant keeper, department of entomology, Natural History Museum, London.
- AUDEN, Harold Allden (b. 1874). MSc, DSc, FCS. Research chemist, The Distillers Company.
- AVEBURY, Lord. See LUBBOCK, Sir John.
- AVELING, Francis Arthur Powell (1875-1941). Reader in psychology, King's College, London, 1922, then professor 1932-41.
- BACHARACH, Alfred Louis (1891-1966). FIC. Clare College, Cambridge, 1910-13; MA in natural sciences. Food scientist at Wellcome Chemical Research Laboratories and later at Glaxo Laboratories. Noted musician and socialist.
- BACON, John Stanley Durrant. MA, PhD. Demonstrator in biochemistry, Cambridge.
- BADEN-POWELL, Major Baden (1860-1937). President of the Aeronautical Society, 1902-09. Editor of *Knowledge*.
- BAKER, John Randal (1900-1984). FRS. Professor of biology at Oxford. Broadcaster on eugenics and author of controversial book on race (1974).
- BALDWIN, James Mark (1861-1934). American psychologist.

- BALFOUR-BROWNE, Frank. See BROWNE, William Alex Francis Balfour.
- BALL, Sir Robert Stawell (1840-1913). Astronomer Royal for Ireland. Popular lecturer and writer on astronomy.
- BALY, Edward Charles (1871-1948). FRS, 1909. Studied chemistry at Liverpool. Assistant lecturer (1898-1901), assistant professor (1901-10) then professor of chemistry, Liverpool.
- BARCROFT, Sir Joseph (1872-1947). FRS. Cambridge degree in natural sciences, 1896. Fellow of King's College, Cambridge, 1899 then college lecturer in natural sciences, 1900-1925. Reader (1919) then professor (1925) of chemistry, Cambridge.
- BARNES, Rev. Ernest William (1874-1953). FRS. Cambridge mathematics teacher, then Anglican clergyman; canon of Westminster and then bishop of Birmingham.
- BARRETT, Sir William Fletcher (1844-1925). FRS. Professor of physics, Royal College of Science, Dublin, 1873-1910. Writer on spiritualism and psychic research.
- BATHER, Francis A. (1863-1934). FRS, FGS. DSc, Oxford, 1900. Assistant keeper (1887) then keeper (1924) of palaeontology, Natural History Museum, London.
- BATTEN, Harry Mortimer (1888-1958). FZS. Lecturer and broadcaster on zoology.
- BEADLE, Clayton (1868-1917). Manager of rubber factory.
- BEADNELL, Charles Marsh (1872-1947). FZS. Studied medicine at Guy's Hospital, London. Surgeon rear admiral, Royal Navy. President of the Rationalist Press Association.
- BEARD, J. Lecturer in embryology, Edinburgh.
- BECK, Alan. FIC. Ph.D.
- BEDDARD, Frank Evers (1858-1925). FRS, MBOU. Oxford MA. Prosector (1884-1915) and vice-secretary (1900-1903), Zoological Society of London. Editor of *Zoological Record*.
- BELLOC, Hilaire (1870-1953). Roman Catholic apologist and popular writer.
- BERRIDGE, Walter Sydney. FZS.
- BENN, John. Trained in medicine. Editor of *Discovery*.
- BERNAL, John Desmond (1901-1971). FRS. Studied natural sciences at Emmanuel College, Cambridge. Lecturer in crystallography, Cambridge, 1927-38. Professor of physics, Birkbeck College, University of London, 1938-63. Left-wing activist and writer on the history of science.
- BERRY, Arthur John. MA. Chemist and meteorologist.
- BERRY, Reginald A. Professor of agricultural chemistry, West of Scotland Agricultural College.
- *BERTOYA, O. Contributor on technology to *Conquest* magazine.
- BIBBY, Harold Cyril (1914-1987). MA in natural sciences, Queen's College, Cambridge, 1939; PhD, London, 1955, with thesis on T. H. Huxley. Education officer, British Social Hygiene Council, lecturer, College of St Mark and St John; principal of Hull College of Education, 1959.
- BICKERTON, Alexander William (1842-1926). Studied at Royal School of Mines. Taught at Hartley Institution, Southampton and at Winchester College. Professor of chemistry, Canterbury College, New Zealand, 1874.
- BISBEE, Ruth C. Lecturer in zoology, Liverpool.
- *BLAKE, Ernest B. AMIMEchE. Author of book on radio and contributor to *Conquest* magazine.

- BLATCHFORD Robert Peel Glanville (1851-1943). Publisher of and columnist (as “Nunquam”) in socialist newspaper *The Clarion*.
- BONNEY, Thomas George (1833-1929). FRS. Fellow of St. John’s College, Cambridge, 1868, and lecturer in geology, Cambridge. Professor of geology, University College, London, 1877-1901.
- *BOTT, E. Graham. Frequent contributor on botany to *Conquest* magazine.
- BOULENGER, Edward George (1888-1946). FZS. Educated at St. Paul’s School, London. Son of George A. Boulenger, eminent expert on amphibians and reptiles. Curator of reptiles (1911-23) and director of aquarium (1923-43), Zoological Society of London.
- BOWER, Frederick Orpen (1855-1948). FRS. ScD. Professor of Botany, Glasgow.
- *BOYER, Jules Marie Jacques. French author of book on telecommunications and frequent contributor on technology to *Conquest* magazine.
- BRABAZON, Lord. See MOORE, John Theodore Cuthbert.
- BRADLEY, Percy. Engineer and editor of *Armchair Science*.
- BRAGG, Sir William Henry (1862-1942) FRS. Professor of physics, University of Adelaide, Australia, 1885-1904. Quain professor of physics, University College, London, 1915-20. Director of the Royal Institution, London, 1923.
- BRIGHTWEN Eliza (1830-1906). Popular writer on natural history.
- BRODETSKY, Selig (1888-1954). Senior wrangler in mathematics, Trinity College, Cambridge, 1908; PhD, Leipzig. Lecturer (1914-19), reader (1920-24) and professor (1924-48) of applied mathematics, Bristol. President of the Hebrew University of Jerusalem, 1949-51.
- BROOKS, Charles Ernest Pelham (1888-1954). DSc. On staff of Meteorological Office for 41 years, eventually assistant director of the Climatological Division.
- BROOM, Robert (1866-1951) Trained in medicine. Eminent South African paleontologist and paleoanthropologist.
- BROWNE, William Francis Balfour (1874-1967). FRSE, FZS, FLS, FRMS. MA in botany, Oxford and Cambridge. Called to the bar, 1898. Assistant at Marine Biological Laboratory, Plymouth, 1900. Lecturer, Queen’s College, Belfast, 1909-13. Lecturer in entomology, Cambridge, 1917. Professor of entomology, Imperial College, London, 1925-30.
- BROWNING, Carl Hamilton (1881-1972). FRS. MB and MD, Glasgow. Professor of bacteriology, London, and then at Glasgow, 1918-51.
- BRUNT, Sir David (1886-1965). FRS, 1939. Knighted, 1949. Studied mathematics at University College of Wales, Aberystwyth, then scholar at Trinity College, Cambridge. Served in Royal Engineers in World War I, then became meteorologist in Royal Air Force. Professor of meteorology, Imperial College, London, 1934-52.
- BRYANT, Ernest A. Author of natural history sections of *The Children’s Encyclopaedia*.
- BUCKLEY, Arabella (1840-1901). Secretary to geologist Sir Charles Lyell and popular science writer.
- BULL, P. J. MA. Chemist.
- BULLEN, Frank T. (1857-1915). Junior clerk at Meteorological Office, then full-time writer on natural history.
- BULMAN, Oliver Meredith Boone (1902-1974). FRS. Reader in palaeozoology then Woodwardian professor of geology, Cambridge.

- BURR, Malcolm (1878-1954). MA and DSc, Oxford. Professor of English, School of Economics, Istanbul. Vice-president of Royal Entomological Society (1902) and co-founder of International Entomological Congress.
- BURROUGHS, Rev. Edward Arthur (1882-1934). Bishop of Ripon.
- BURT, Sir Cyril Ludowic (1883-1971). MA in psychology, Oxford. School psychologist, London County Council (1913-31) then professor of psychology, University College, London. Noted advocate of genetic determinism.
- BUXTON, Leonard Halford Dudley (1890-1939). Studied anthropology at Exeter College, Oxford. Collector at Pitt Rivers Museum, Oxford. Demonstrator then reader (1928) in physical anthropology, Oxford. Fellow of Exeter College, Oxford, and bursar, 1933.
- *CAHEN, Edward (1880-1961) FIC. Demonstrator, St. Bartholomew's Hospital Medical School, 1912-17, then retired to Devon. Contributor on chemistry to *Conquest* and *Discovery* magazines.
- CALDER, Peter Ritchie, (1906-1982). Administrator and science writer. Became baron Ritchie Calder, 1966.
- CALMAN, William Thomas (1871-1952). FRS, 1921. FLS. DSc. Graduated in biology at Dundee, 1895. Lecturer in zoology, Dundee, 1903. Assistant curator of crustaceans then keeper of zoology, Natural History Museum, London.
- CAMPBELL, Norman Robert (1880-1949). MA, Cambridge; fellow of Trinity College, 1902. Honorary fellow in physics, Leeds, 1913. On research staff of General Electric Company, London, 1919-44. Noted writer on the nature of science.
- *CARLIER, Gwendolyn I. M. MSc. Author of science news column in *Conquest* magazine.
- CARPENTER, Rev. George Henry (1865-1939). MRIA. DSc. Studied at King's College, London and Royal College of Science, Dublin. Worked in engineering office then became clerk at Natural History Museum, London, 1884. Assistant naturalist, Dublin Museum (1888-1904) then professor of zoology, Royal College of Science, Dublin (1904-22).
- CARRINGTON, John. Natural history writer and editor.
- *CARUS-WILSON, Cecil. FRSE, FGS, FRGS. Geology lecturer and contributor to *Conquest* magazine.
- CATHCART, Edward Provan (1877-1944). FRS. MD, DSc. Gardiner professor of physiology, Glasgow.
- CASPARI, William Augustus (1877-1951). FIC. MSc. (1915) and DSc. (1916), Liverpool. Ph.D., Jena. Industrial chemist. Lecturer (1914) then researcher (1928-34) in chemistry, University College, London.
- CAVERS, Frank. Professor of Biology, Southampton.
- CHADWICK, Sir James (1891-1974). FRS. Trained in physics at Manchester and Cambridge. Research physicist, Cavendish Laboratory, Cambridge. Professor of physics, Liverpool, 1931. Nobel prize for physics, 1935.
- CHAMBERS, George Frederick (1841-1915). FRAS. Barrister at law.
- CHAPMAN, Alfred Chaston (1869-1932). FIC. Studied chemistry at University College, London. Consulting analytical chemist to the brewing industry. President of Institute of Chemistry, 1921-24 and of Royal Microscopical Society, 1924-26.

- *CHARLES, D. Author of books on photography and frequent contributor to *Conquest* magazine.
- CHESTERTON, Gilbert Keith (1879-1936). Popular writer; converted to Roman Catholicism, 1922.
- CLODD, Edward (1840-1930). Accountant and science writer. Chair of Rationalist Press Association, 1906-13.
- COCKCROFT, John Douglas (1897-1967). Physicist at Cavendish Laboratory, Cambridge. Later director of Atomic Research Establishment, Harlow, and master of Gonville and Caius College, Cambridge. Nobel prize for physics, 1951.
- COHEN, Julius Berend (1851-1935). FRS, 1911. BSc, Victoria College, Manchester; PhD Munich. Lecturer in chemistry, Yorkshire College, 1890-1904. Professor of organic chemistry, Leeds, 1904-24.
- COLE, Grenville Arthur James (1859-1924). FRS, 1917. Studied at Royal School of Mines. Professor of geology, Royal College of Science, Dublin, 1890.
- COLLIER, Henry. Musgrave Research Student in Zoology, Queen's University, Belfast.
- CONN, George Keith Thorburn. MA, Aberdeen; MA and PhD in physics, Cambridge.
- CONN, Herbert William (1859-1917). American bacteriologist.
- CORNISH, Charles John (1858-1906). FZS. MA, Oxford. Assistant classics master, St. Paul's School, London, 1886-1906. Writer on natural history.
- COUPIN, Henri Eugene Victor (b. 1868). French zoologist.
- COUSINS, E. G. Head of development at a large plastics factory.
- COWARD, Thomas Alfred (1867-1933). FRES, FZS, MBOU. MSc, Owen's College, Manchester. Worked at family calico printing firm. Ornithologist and natural history writer.
- COX, Ian Herbert (1910-1990). FZS, FRGS. MA, Cambridge, then researcher in geology. Talks editor for BBC, 1936-39. Director of science for Festival of Britain, 1948-51, after which worked for Shell Petroleum.
- COX, John. Professor of physics, University of Manitoba.
- *COX, S. Donald. Frequent contributor to *Conquest* magazine, especially on geology.
- CRAMMER, John Lewis (1920-2002). Studied at Cambridge and University College, London, Medical School. Medical researcher and later psychiatrist. Medical correspondent for the Manchester *Guardian*. Sometimes wrote under the name of John Enogat.
- CREW, Francis Albert Eley (1886-1973). Graduated from Edinburgh University Medical School, 1912. Lecturer then professor of animal genetics, Edinburgh.
- CROMMELIN, Andrew Clause de la Cherois (1865-1939). DSc. Studied at Trinity College, Cambridge. Assistant at Royal Observatory, Greenwich.
- CROSSLAND, John R. FRGS.
- CROWTHER, James Gerald (1899-1983). Worked at military technical establishment in World War 1. Abandoned mathematics study at Cambridge, 1919. Worked for technical book section of Oxford University Press. Science writer and science correspondent of Manchester *Guardian*, 1926-45.
- CUNNINGHAM, James Thomas (1859-1935). Studied zoology at Oxford. Resident naturalist, Marine Biological Association; lecturer in zoology, East London College.
- CURREY, Edward Hamilton. Commander, Royal Navy.

- CZAPEK, Frederick. Professor of biochemistry.
- DAKIN, William John (1883-1950). BSc (1905) and MSc (1907), Liverpool.
 Researcher at Keil and Naples. Assistant lecturer, Queen's College, Belfast, then lecturer at Liverpool, 1910. Professor of biology at University of Western Australia, 1912, then at Liverpool, 1920, and Sydney, Australia, 1929.
- DAMPIER-WHETHAM, Sir William Cecil. See WHETHAM, Sir William Cecil Dampier.
- DARLINGTON, Cyril Dean (1903-1981). FRS, 1941. Graduated from University College, London, 1923. On staff of John Innes Horticultural Institute, director 1939-53. Professor of botany, Oxford, 1953.
- DARWIN, Leonard (1850-1943). Major, Royal Engineers. Member of Parliament. Chairman, British Eugenics Society, 1911-28.
- DAVIDSON, Charles. FRAS.
- DAVIDSON, Martin. DSc. FRAS.
- DAVIES, John Langdon (1897-1971). Studied at Oxford but did not take degree. Science writer and war correspondent.
- DAVIS, James Richard Ainsworth (1861-1934). FZS. Studied at Royal School of Mines. MA in natural sciences, Trinity College, Cambridge; MSc, Bristol. Lecturer in biology, Middlesex Hospital School, 1920-21. Principal, Royal Agricultural College, Cirencester, then professor at Bristol and University of Wales.
- DAVIS, Alfred Horace. DSc.
- DAVISON, Charles. FGS. ScD.
- DEWAR, Douglas (1875-1957). FZS. B.A., Cambridge. Served in Indian Civil Service. Ornithologist and opponent of evolutionism.
- DICK, William E. FLS. BSc. Editor of *Discovery*.
- DICKSON, Henry Newton. FRSE. DSc. Professor of geography, Reading. President of Royal Meteorological Society.
- DICKSON, William Elliot Carnegie (b. 1878). MD.
- DINGLE, Herbert (1890-1978). FRAS. BSc at Imperial College, London, 1918. Demonstrator then lecturer in astrophysics, then professor of natural philosophy (1938), Imperial College. Professor of history of science, University College, London, 1946-55.
- DOLMAGE, Cecil G. FRAS. MA., LID.
- DOMVILLE-FYFE, C. W. Naval engineer. Author of numerous books and contributor to *Conquest* magazine.
- DONCASTER, Leonard (1877-1920). FRS. First class degrees in natural sciences, Cambridge, 1898, 1900. DSc. Fellow of King's College, Cambridge, 1910. Lecturer in zoology, Birmingham, 1906-10, then professor of zoology, Liverpool.
- DREW, John. Head of a large public health laboratory.
- *DRINKWATER, T. W. FIC, FRSE, PhD. Contributor to *Conquest* magazine.
- DRUMMOND, James Montague Frank (1881-1965). FLS. MA, Cambridge. Lecturer in botany, Armstrong College, Newcastle, 1906-9. Lecturer in plant physiology (1909) then Regius professor of botany (1921), Glasgow. Professor of botany, Manchester, 1930-46.
- DUNCAN, Francis Martin (1873-1961). FZS, FRMS. Librarian of the Zoological Society of London.
- DUNCAN, J. MD. Headmaster, Hampshire Special School.

- DUCKWORTH, Wynfrid Laurence Henry (1870-1956). DSc. Demonstrator in human anatomy then lecturer in physical anthropology, Cambridge. Fellow of Jesus College, Cambridge.
- DURRELL, Clement V. MA. Senior mathematics master, Winchester College.
- DUTTON, Clarence Edward (1841-1912). U.S. Geological Survey.
- DWERRYHOUSE, Arthur. MRIA. Lecturer in geology, Queen's University, Belfast.
- DYSON, Sir Frank Watson (1868-1939). FRS, 1901. Second wrangler in mathematics, Trinity College, Cambridge. DSc, Oxford and Cambridge. Chief assistant, Royal Observatory, Greenwich, 1894-1905. Professor of astronomy, Edinburgh, and Astronomer Royal for Scotland, 1905-10. Astronomer Royal, 1910-33.
- EALAND, Charles Aubrey. MA. Microscopist and biologist.
- ECCLES, William Henry (1875-1966). FRS. BSc, 1896, and PhD, 1901, Royal College of Science, London. Radio engineer, assistant to Marconi. Vice-Chairman of Imperial Wireless Committee.
- EDDINGTON, Sir Arthur Stanley (1882-1944). FRS. Chief assistant, Royal Observatory, Greenwich, 1906. Plumian professor of astronomy, Cambridge, 1912.
- *EGAN, Michael B. Contributor to *Conquest* magazine.
- EGERTON, Sir Alfred Charles Glyn (1886-1959). FRS, 1926. FIP. MChemE. DSc., London. Reader in thermodynamics, Oxford, 1921-36. Professor of chemical technology, Imperial College, London, 1936-52. Secretary of the Royal Society of London, 1938-48.
- *ELGIE, Joseph H. MBAA. Author of books on astronomy and of astronomy column in *Conquest* magazine.
- ELLIOT, George Francis Scott (1862-1934). FLS, FRGS. Studied at Cambridge and Edinburgh. Professor of botany, Glasgow Veterinary College.
- ELMHIRST, Richard. FLS.
- ENOGAT, John. Pen name of CRAMMER, John Lewis.
- EVANS, David S. PhD, physics. Contributor to *Discovery*.
- EWING, Sir James Alfred (1855-1935). FRS, FRSE. Studied engineering at Edinburgh. Taught in Japan then at Dundee, 1883. Professor of mechanism, Cambridge. Vice-chancellor of University of Edinburgh, 1916-29.
- FABRE, Jean Henri (1827-1915). French naturalist and popular writer on natural history, especially entomology.
- FARMER, Sir John Bretland (1865-1944). FRS. MA and DSc, Oxford. Demonstrator in botany, Oxford, 1887-92. Assistant professor of biology, 1892, then professor of botany, 1895, Royal College of Science, London
- FENTON, Henry John Horstman (1854-1929). FRS. Chemical engineer.
- FEARNSIDES, William George (1879-1968). FRS. MA, Cambridge. Professor of geology, Sheffield, 1913-45.
- FERGUSON, Allan E. BSc. Aeronautical engineer.
- FERGUSON, David. MA. Botanist.
- FINCH, William Coles. Engineer at Brompton, Chatham, Gillingham and Rochester Water Company. Also wrote on local history of county of Kent.
- FINDLAY, Alexander (1874-1966). FIC. MSc and DSc (1902), Aberdeen; PhD, Leipzig, 1900. Lecturer in physical chemistry, Birmingham, 1902-11. Professor of chemistry, University of Wales, Aberystwyth.

- FINN, Frank (1868-1932). FZS. BA. MA in classics, Oxford. On ornithological expedition to Africa, 1892. Deputy superintendent, Calcutta Museum, 1894-1903. Returned to Britain and became full-time writer on natural history.
- FISHER, James Maxwell (1912-1970). FZS. Transferred from study of medicine to zoology at Oxford. Ornithologist on expedition to Arctic, 1933. Assistant curator, Zoological Society of London, then worked on pest control at Oxford. Editor of *New Naturalist* series.
- FLAMMARION, Camille (1842-1925). French astronomer and popular science writer.
- FLEMING, Sir John Ambrose (1849-1945). FRS. Studied at University College, London, Royal College of Chemistry and Cambridge. Lecturer in applied mathematics, Cambridge, then professor of electrical technology, University College London, 1885-1926. Inventor of thermionic valve for radio. Opponent of evolutionism
- FLEURE, Herbert John (1877-1969). FRS, 1892. Studied at University of Wales and Munich. Lecturer then professor (1917) of anthropology and geography, University of Wales, Aberystwyth. Professor of geography, Manchester, 1930.
- FLOWER, Sir William Henry (1831-1899). Studied zoology at University College, London. Hunterian professor of anatomy, Royal College of Surgeons. Director of Natural History Museum, London.
- FLUGEL, John Carl (1884-1955). Studied at Oxford, Taught psychology at London.
- FORBES, George (1849-1936). FRS, FRSE, FRAS. Studied at St. Andrews and Cambridge. Professor of natural philosophy, Anderson's College, Glasgow, 1872-80, then worked as engineer and inventor.
- FOREL, August-Henri. MD. Swiss psychologist and entomologist.
- FORTESCUE, Cecil Lewis (1881-1949). MA. Professor of physics, Royal Naval College, Greenwich, then professor of engineering, Imperial College, London.
- FOURNIER-D'ALBE. Edmond Edward (1869-1933). BSc in physics, Trinity College, Dublin. Lecturer in physics, Birmingham. Wrote in support of spiritualism.
- FOWLER, William Warde (1847-1921). Tutor and rector, Lincoln College, Oxford. Ornithologist.
- FOX, Harold Munro (1889-1967). FRS. MA, Cambridge and fellow of Gonville and Caius College. Professor of zoology at Birmingham, then Queen Mary College, London, and Bedford College, London. Editor of *Biological Reviews* and honorary president of London Natural History Society, 1941.
- FRASER-Harris, David. See HARRIS, David Fraser.
- FREEMAN, William George. Physiology Department, London.
- FRENCH, Sir George Weir (1876-1953). Studied at Glasgow and Berlin; DSc. Chairman, Barr and Stroud, engineers, and of Glasgow Technical College.
- FRITSCH, Felix Eugène (1879-1954). Assistant professor of botany, London.
- GADOW, Hans (1855-1928). FRS. Studied zoology at Berlin, Jena and Heidelberg. On staff of Natural History Museum London, 1880-82, then lecturer and reader in animal morphology, Cambridge.
- GAMBLE, Sir Frederick William (1869-1926). FRS, 1907. BSc, Manchester; DSc, Leipzig. Lecturer in zoology, Manchester, then professor of zoology, Birmingham, 1909.
- GAMOW, George (1904-1968). Russian physicist who moved to United States in 1934. Writer of children's stories about science.
- GARDINER, Charles Irvine. Senior master, Cheltenham College.

- GARSTANG, Walter (1868-1949). FLS, FZS. Studied at Oxford and Owen's College, Manchester. Chief naturalist, Marine Biological Association, 1897-1907. Professor of zoology, Leeds, 1907-33..
- GEDDES, Sir Patrick (1854-1932). Professor of botany, Dundee. Later sociologist and town planner.
- GEIKIE, Sir Archibald (1835-1924). FRS, 1865. Studied at Edinburgh. On staff of Geological Survey of Scotland from 1855, director 1867. Professor of geology, Edinburgh, 1871. Director of Geological Survey of Great Britain, 1881.
- GIBBERNE, Agnes (1845-1939). Science writer. Educated at home.
- GIBSON, Arnold Hartley (1878-1959). DSc, LID, MChemE, MIMechE. BSc (1903) and DSc (1909), Manchester. Professor of Engineering at St Andrews, 1909, then at Manchester, 1920.
- GIBSON, Charles R. (1870-1931). FRSE, LID. Manager of curtain factory. President, Glasgow Philosophical Society, 1921-25.
- GIBSON, Harvey. Professor of botany, Liverpool.
- GILLISPIE, James. Lecturer in plant physiology, Reading.
- GLASSTONE, Samuel (b. 1897). DSc. Lecturer in physical chemistry, Sheffield, then professor of chemistry, University of Oklahoma.
- GLAZEBROOK, Sir Richard Tetley (1854-1935). Studied at Dulwich College and Cambridge. Head of National Physical Laboratory, 1899-1919.
- GOLDING, Harry. FRGS. Editor of Wonder Books.
- GOODRICH, Edwin Stephen (1868-1946). FRS. Studied zoology with E.Ray Lankester at University College, London, subsequently assistant to Lankester at Oxford. Linacre professor of comparative anatomy, Oxford, 1921-46.
- GORER, Geoffrey (1905-85). Trained in anthropology at Jesus College, Cambridge. Moved to United States in 1939 and advised government on Japanese character during war.
- *GRADENWITZ, Alfred. Dr. Contributor to *Conquest* magazine.
- GRAHAM-WITE, Claude (1879-1959). Aviation pioneer.
- GRAY, John Linton. Lecturer in social psychology, London School of Economics.
- GREEN, Joseph Reynolds (d. 1914). FRS, 1895. FLS. MA in natural sciences and DSc (1894), Cambridge. Demonstrator in physiology (1885-87) then lecturer and fellow of Downing College, Cambridge. Lecturer in plant physiology, Liverpool.
- GREENLY, Edward (1861-1951). FGS. Studied at University College, London. DSc. On staff of Geological Survey of Scotland, then did unofficial resurveying of North Wales, map published by Geological Survey.
- GREGORY, John Walter (1864-1932). FRS. BSc (1891) and DSc (1893), London. Assistant in geology department, Natural History Museum, London, 1887. Professor of Geology, University of Melbourne, Australia, 1899, then at Glasgow, 1904.
- GREGORY, Sir Richard Arman (1864-1952). FRS, 1933. FRAS. FIP. Hon. DSc and LID. Studied at Royal College of Science. Assistant to Sir Norman Lockyer. Professor of Astronomy, London. Editor of *Nature*, 1919-39.
- GREW, Edwin Sharpe .MA. Geologist and editor of *Knowledge*.
- GREY OF FALLODON, Viscount Edward (1862-1933). FRS, 1914. Politician and ornithologist. Chancellor of Oxford university, 1928.
- GRIMSHAW, Percy H. FRSE. Keeper of natural history, Royal Scottish Museum, Edinburgh.

- GRINDELL-MATTHEWS, H. See MATTHEWS, Harry Grindell.
- GRIST, W. R. Lecturer in biology, Leeds.
- GUNTHER, Albert Charles (1830-1914). Director of zoology department, Natural History Museum, London, 1875-95.
- HADDON, Alfred Court (1855-1940). FRS. Professor of biology, Royal College of Science, Dublin, 1880-88, subsequently reader in ethnology, Cambridge, 1909-26.
- HALDANE, John Burdon Sanderson (1892-1964). FRS. Reader in biochemistry, Cambridge, 1921. Professor of genetics, University College, London, 1933. Left-wing activist, subsequently moved to India.
- HALL, Sir Alfred Daniel (1864-1942). FRS. Director of Rothamstead Experimental Station, 1902-12, then of John Innes Horticultural Institution. Adviser to Ministry of Agriculture, 1926-39.
- HALL, Rev. Charles Hall. FRMS. Natural history writer.
- *HAMPNETT, Guy. Author of book on radio and contributor to *Conquest* magazine.
- HARMSWORTH, Alfred, Viscount Northcliffe. Newspaper proprietor.
- HARPER, Edgar Henry. MA. Aeronautical engineer.
- HARPER, Harry (1880-1960). Aviation correspondent of *Daily Mail*.
- HARRIS, David Fraser (1867-1937). FRSE. BSc, London; DSc, Birmingham; MD. Demonstrator in physiology, Glasgow, 1893-98, acting professor of physiology, St. Andrews, 1898-1908. Lecturer in physiology, Birmingham. Professor of physiology, Dalhousie University, Nova Scotia, 1911-24.
- HARRIS, Percy W. Editor of *Conquest*. Expert on radio.
- HARRISON, Herbert Spencer. Lecturer in zoology, Cardiff.
- HART, Bernard. MD.
- HART, Ivor B. PhD. Applied physicist.
- HARTOG, Marcus (1880-1970). MA, Trinity College, Cambridge; DSc. Assistant director, Royal Botanical Gardens, Ceylon (Sri Lanka), 1874-77. Professor of natural history, University College, Cork 1882-1921.
- HASLETT, Arthur Woods. Sometime scholar of King's College, Cambridge.
- HAWKINS, Herbert Leader (1887-1968). FRS, 1837. FGS. Studied at Manchester; DSc. Lecturer (1909) then professor of geology, Reading (1920-56).
- HAWKS, Ellison (1889-1971). FRAS, FZS. Advertising manager for toy manufacturer Meccano and editor of *Meccano Magazine*, 1921-35. Editor for Amalgamated Press, 1936-40. Lecturer on astronomy and honorary secretary of Leeds Astronomical Society.
- HEARD, Henry Fitzgerald (known as Gerald; 1889-1971). Science writer and broadcaster. Went to America with Aldous Huxley in 1937.
- HENNESY, J. E. Principal of the Lady Warwick Agricultural School.
- HENRICK, James. Lecturer in agricultural chemistry, Aberdeen.
- HENSON, Rev. Herbert Hensley (1863-1947). Bishop of Durham and writer on science and morality.
- HEPWORTH, Thomas Craddock (b. 1845). Expert on photography.
- HEWITT, Charles Gordon (1885-1920). BSc (1902) and MSc (1903), Manchester. Assistant lecturer in zoology (1902-04) and lecturer in economic zoology (1904-09), Manchester. Dominion Entomologist, Canada, 1909-20.
- HIBBERT, Walter (1852-1935). FIC, AMIEE. Studied in evening classes at Owen's College, Manchester. Worked for telegraph service then in laboratory of Royal Institution. Lecturer in physics and electro-technology, Regent Street Polytechnic, London, 1884.

- HICKLING, Henry George Albert (1883-1954). FRS, FGS, MIMinE. Studied at Manchester; DSc. Lecturer in geology, Manchester, 1907-20. Professor of geology, King's College, Newcastle-on-Tyne, 1920-48.
- HICKSON, Sydney John (1859-1940). FRS. MA, Cambridge; DSc, London. Lecturer in morphology, Cambridge, then professor of zoology, Manchester.
- HILL, Archibald Vivian (1886-1977). FRS. Third wrangler in mathematics, Trinity College, Cambridge. Professor of physiology, Victoria University, Manchester, 1920-22, then at University College, London, 1923-51. Nobel prize for physiology, 1922.
- HINKS, Arthur R. (1873-1945). MA. Chief assistant at Cambridge Observatory, then Gresham lecturer in astronomy.
- HINTON, Martin Alistair Campbell (1883-1961). FZS. Deputy keeper, 1927, then keeper (1936-45) of zoology, Natural History Museum, London. Suspected by some modern historians to be the perpetrator of the Piltdown fraud in 1912.
- HIRD, Dennis. MA. Principal of Ruskin College, Oxford.
- HODGES, A. E. FLS.
- HOGBEN, Lancelot (1895-1975). FRS. Physiology degree from Trinity College, Cambridge, 1915. Lecturer in physiology, Imperial College, London, 1919. Lecturer in experimental zoology, Edinburgh, 1922. Assistant professor of zoology, McGill University, Montreal, 1925. Professor of zoology, University of Cape Town, South Africa, 1926. Professor of social biology, London School of Economics, 1929. Professor of zoology and then of medical statistics, Birmingham, 1941-61.
- HOLMES, Arthur (1890-1965). FRS. PhD, Imperial College, London, 1919. Lecturer then professor of geology, Durham. Professor of geology, Edinburgh, 1943.
- HOLMYARD, Eric John (1891-1959). Head of science department, Clifton College, Bristol. Historian of science.
- HOWARD, Rev. Henry Elliot. Dean of Litchfield. Ornithologist.
- HOWARTH, Osbert John Radcliffe (1877-1954). FGS. MA in geology, Oxford. Assistant on geography to the editor of the *Encyclopaedia Britannica*. Secretary of the British Association for the Advancement of Science.
- HOWE, John Allen. FGS. BSc. Geologist working for quarrying industry.
- HUTCHINSON, Rev. Henry Neville (1856-1927). MA, Cambridge. Popular writer on paleontology and anthropology.
- HUTCHINSON, John. FRS. Head of botanical museums department, Royal Botanical Gardens, Kew.
- HUXLEY, Aldous (1894-1963). Novelist, brother of Julian Huxley.
- HUXLEY, Julian Sorrell (1887-1975). FRS. Studied biology at Oxford and Naples. Professor of biology, Rice Institution, Houston, 1912-16. Researcher in biology at Oxford, 1919-25. Professor of biology, King's College, London, 1925-27. Secretary, Zoological Society of London, 1935-42.
- INGE, Rev. William Ralph (1860-1954). Dean of St Paul's, London, 1911-34, and popular writer.
- ISAACS, Susan Sutherland (1885-1945). Philosophy degree, Manchester, 1912. Lecturer in logic, Manchester, 1914-15. Principal of Malting House School, Cambridge, 1924-25, and researcher in psychology laboratory, Cambridge. Head of department of child development, Institute of Education, London, 1933.

- *JAMES, Samuel Thomas. Author of numerous books on railways and contributor to *Conquest* magazine.
- JEANS, Sir James Hopwood (1877-1946). FRS. Studied mathematics at Trinity College, Cambridge; fellow, 1905-07. Stokes lecturer in applied mathematics, Cambridge, 1910-12. Independent researcher for rest of career.
- JEFFRIES, Harold (1891-1989). FRS. MA, Cambridge; DSc, Durham. Fellow of St John's College, Cambridge; reader in geophysics, 1931-46, then Plumian professor of astronomy and experimental philosophy, Cambridge, 1946-58.
- JOHNSON, Minnie Louise (1909-1984). Zoologist at Birmingham.
- JOHNSON, Valentine Edward. MA. Writer of children's books on science.
- JOHNSTON, Sir Harry (1858-1927). DSc, Cambridge. Originally an art student; commanded Royal Society expedition to Mount Kilimanjaro, 1884, and later became colonial administrator. Zoology society silver medallist, 1896.
- JOHNSTONE, James. BSc. On staff of fisheries laboratory, University of Liverpool.
- JONES, Ernest (1879-1958). MD. President, Institute of Psychoanalysis, London.
- JONES, Henry Chapman (b. 1854). FIC. Demonstrator in chemistry, Imperial College, London, 1875-1914.
- JONES, Owen Thomas (1876-1967). FRS. MA, Cambridge; DSc, University of Wales. Professor of geology at University of Wales, Aberystwyth, 1910-19, then at Manchester, 1913-30, and Cambridge, 1930-43.
- JONES, William Richard (1880-1970). Studied at Royal College of Science, London; DSc, London. Professor of mining geology, Imperial College, London, and consulting mining engineer.
- JUDD, John Wesley (1840-1916). FRS, 1877. Studied at Royal School of Mines, London. Professor of geology, Royal School of Mines.
- KAPP, Gisbert (1852-1922). Studied at Zurich. Professor of electrical engineering, Birmingham, 1905-18.
- KEEBLE, Sir Frederick William (1870-1952). FRS, 1913. MA in natural sciences and DSc, Cambridge. Fellow of Magdalen College, Oxford, 1920-27, then professor of botany, Reading.
- KEITH, Sir Arthur (1866-1955). FRS. MB, Aberdeen, 1888. Head of department of anatomy, London Hospital. Hunterian professor, Royal College of Surgeons. Best known as paleoanthropologist.
- KELTIE, Sir John Scott (1840-1927). FRGS. Studied at St Andrews and Edinburgh. Librarian (1885-92) and assistant secretary (1892-1915), Royal Geographical Society. Editor of *Nature*.
- KENDALL, James. FRS, 1927. MA and DSc. Professor of chemistry, Columbia University, New York, 1913-26, at Washington Square University, 1926-28. Professor of chemistry, Edinburgh, 1928-59.
- KERR, Sir John Graham (1869-1957). FRS, 1909. MA in natural sciences, Cambridge. Regius professor of zoology, Glasgow, 1902.
- LANCASTER, Edward William. MIElecE, AMICivilE.
- LANG, William Henry (d. 1960). FRS, 1911. MB, DSc. Lecturer in botany, Glasgow, then professor of cryptogamic botany, Manchester.
- LANGDON-DAVIES, John. See DAVIES, John Langdon.
- LANKESTER, Sir Edwin Ray (1847-1929). FRS. Professor of zoology, University College, London, 1874-91. Linacre professor of comparative anatomy, Oxford, 1891-98. Director, Natural History Museum London, 1898-1907.
- *LAQUI, M. A. Frequent contributor on radio etc. to *Conquest* magazine.
- LATTER, Oswald H. MA. Senior master, Charterhouse School.

- LEA, John. MA. Ornithologist.
- LEIGHTON, Gerald (1868-1953). FRSE. MD, DSc. Professor of pathology and bacteriology, Royal Veterinary College, University of Edinburgh.
- LEITCH, Duncan. FGS. DSc. Lecturer in geology, Glasgow.
- LEMPFERT, Rudolph Gustav Karl (1875-1957). MA, Cambridge. On staff of Meteorological Office from 1902; assistant director, 1919-38. President of Royal Meteorological Society, 1930.
- LEPAGE, Geoffrey. Lecturer in zoology, University College of the South West of England, Exeter.
- LEVY, Hyman (1889-1975). FRSE. Studied mathematics and physics at Edinburgh, MA, 1911. On staff of National Physical Laboratory, 1916-20, then professor of mathematics, Imperial College, London. Left-wing activist.
- LEWES, Vivian Bryan (1852-1915). FIC. Studied at University College, London. Professor of chemistry, Royal Naval College, Greenwich.
- *LLOYD, J. A. FRAS. Author of astronomy column for *Conquest* magazine.
- LODGE, Sir Oliver Joseph (1851-1940). FRS. Professor of physics, Liverpool, 1881-1900. Principal, university of Birmingham, 1900-19. Radio pioneer and writer on spiritualism.
- LOEB, Jacques (1859-1924) American physiologist.
- LONES, Thomas East. BSc, MA. Metallurgist.
- LOW, Archibald Montgomery (1888-1956). Honorary assistant professor of physics Royal Artillery College, and officer commanding, Royal Flying Corps Experimental Works, during World War I. Then freelance writer and inventor. Vice-President, Institute of Patentees. President, British Interplanetary Society..
- LOWELL, Percival (1855-1916). American astronomer who attempted to demonstrate the existence of 'canals' on Mars.
- LUBBOCK, Sir John, later Lord Avebury (1834-1913). FRS, 1858. Banker, parliamentarian, archaeologist and zoologist.
- LYDEKKER, Richard (1844-1915). Studied natural sciences at Trinity College, Cambridge. Paleontologist on staff of Geological Survey of India, 1874-82. Returned to England and prepared exhibitions and catalogues for Natural History Museum.
- LYONS, Sir Henry George (1864-1944). FRS. Director of Geological Survey of Egypt, 1896-1901. Commander of Army Meteorological Service, 1914-19. Director of the Meteorological Office. Director of the Science Museum, London 1920-33.
- M'ALPINE, David. Professor of botany, West of Scotland Agricultural College.
- MACBRIDE, Ernest William (1861-1940). FRS. Studied at Cambridge and Naples. Demonstrator in animal morphology, Cambridge, then professor of zoology, McGill University, Montreal. Professor of zoology, Imperial College, London, 1914. Advocate of eugenics.
- McCABE, Joseph (1867-1955). Roman Catholic monk; left Church in 1896 and became writer on rationalism.
- McDOUGALL, Arthur Thomas (b.1872). BSc, BA. Science writer for children.
- McDOUGALL, William (1871-1936). FRS. Wilde reader in mental philosophy, Oxford, 1912-20. Professor of psychology, Harvard University, 1920-23 and at Duke University, 1923-38.
- MACFIE, Ronald Campbell (1867-1931). MD. Poet, mystic and science writer.

- McKENDRICK, John Gray (1841-1926). FRS, 1884. Studied medicine at Aberdeen. Professor of physiology, Glasgow, 1876.
- MACKENZIE, Sir William Leslie (1862-1935). MD. Local Government Board, Edinburgh.
- MACKINNON, Doris Livingstone (d. 1956). DSc. Studied zoology at Aberdeen. Lecturer in zoology, Dundee, 1901-19. Lecturer (1919) then reader (1921) and professor (1927-49) of zoology, University College, London.
- MACPHERSON, Rev. Hector, Jr. (1888-1956). FRSE, FRAS. PhD. Minister of Guthrie Memorial Church, Edinburgh. President of Astronomical Society of Edinburgh.
- MADDOX. Sir John Roydon (1925-2009). Studied chemistry and physics at Oxford and King's College, London. Physics lecturer, Manchester. Science correspondent of *Guardian*, 1955-64, and writer; editor of *Nature*, 1966-73 and 1980-95.
- *MALLINSON, Rufus H. Author of book on photography and contributor to *Conquest* magazine.
- MANGHAM, Sydney (1886-1962). BSc, Cambridge, 1908. Demonstrator, Cambridge botany school, 1908-11. Lecturer in botany, Armstrong College, Newcastle-upon-Tyne, 1911-20; professor of botany, Southampton, 1920-51.
- MARGERISON, Thomas (b. 1923). Science writer and editor of *New Scientist*.
- MARRETT, R. R. MA. Reader in social anthropology, Oxford.
- MARTIN, Edward Alfred (d. 1944). FGS.
- MARTIN, Geoffrey. BSc, London; MSc, Bristol; PhD, Rostock. Lecturer in chemistry, Nottingham and at Birkbeck College, London.
- *MASTERS, David. Prolific author of books on transportation; also wrote on medicine and archaeology. Very frequent contributor to *Conquest* magazine.
- MATTHEWS, Bryan H. C. Fellow of King's College, Cambridge.
- MATTHEWS, Harry Grindell (1880-1941). Inventor of 'death ray.'
- MAUNDER, Annie Scott Dill (née Russell, 1868-1947). FRAS. Mathematics degree from Girton College, Cambridge, 1889. Lady computer, Royal Observatory Greenwich, 1891. Married E. Walter Maunder, 1895.
- MAUNDER, Edward Walter (1851-1928). FRAS. Spectroscopic assistant, Royal Observatory, Greenwich, 1873. President of British Astronomical Association, 1894-96.
- MAXWELL, Sir Herbert Eustace (1845-1937). FRS. Novelist, politician and horticulturalist.
- MAYO, Dame Eileen (1906-1994). Artist and illustrator.
- MELDOLA, Raphael (1849-1915). FRS, 1886. Worked in dyestuffs industry. Professor of chemistry, Finsbury Technical College, 1885.
- MERCIER, Charles Arthur (1852-1919). MD. Psychopathologist.
- MIALL, Louis Compton (1842-1921). FRS. DSc. Professor of biology, Leeds, 1876-1907.
- MIERS, Sir Henry Alexander (1858-1942). FRS, 1896. Studied at Oxford. Professor of mineralogy, Oxford, 1895-1908. Principal, University of London, 1908-15. Vice-Chancellor, University of Manchester, 1915-26.
- MILLER, Hubert Crichton. Held doctor's degree. Psychologist.
- MILLINGTON, John Price. BSc. Scholar of Christ's College, Cambridge.
- MINOT, Charles (1852-1914). Professor, Harvard Medical School.
- MITCHELL, Charles Ainsworth (1867-1948). FIC. MA, Oxford, 1919. Industrial chemist at Beaufoy & Co., vinegar manufacturers.

- MITCHELL, Sir Peter Chalmers (1864-1945). Studied at Oxford and served as demonstrator in animal morphology, 1888. Lecturer in biology, Charing Cross Hospital, 1894-1903. Secretary, Zoological Society of London, 1903-35. Science correspondent of London *Times*.
- *MITCHELL, William George de Winter. FRAS, BSc. Author of books on radio and of astronomy column in *Conquest* magazine.
- MIVART, St. George Jackson (1827-1900). Professor at St. Mary's Hospital Medical School, 1862-84. Noted opponent of Darwinism.
- *MOORE, Alfred S. MTextInst. Author of books and articles on textiles.
- MOORE, Benjamin (d. 1922). FRS. Studied at Queen's College, Belfast, Leipzig and Yale. Professor of biochemistry at Liverpool, 1902-14, and Oxford, 1920.
- MOORE, John Theodore Cuthbert, Lord Brabazon of Tara (1884-1964). Motoring and aviation pioneer, later government minister.
- MORGAN, Conwy Lloyd (1852-1936). FRS. Professor of zoology, principal (1887) and vice-chancellor (1909), Bristol. Evolutionary psychologist and proponent of emergent evolutionism.
- MORRISON, James Thomas Jackson (d. 1933). MA, MB, MSc. Professor of forensic medicine, Birmingham, and consulting surgeon.
- MOTT, Sir Frederick Walker (1853-1926). FRS, 1896. BSc, London; MD. Lecturer in morbid pathology, Birmingham; consultant at Charing Cross Hospital.
- MOTTRAM, Vernon Henry (1882-1976). Professor of physiology, King's College, London.
- MUIR, Matthew Moncreif Pattison (1848-1931). Studied at Glasgow and Tübingen. Fellow and praelector in chemistry, Gonville and Caius College, Cambridge.
- MURRAY, Daniel Stark. BSc, MB, ChB. Assistant pathologist, London County Council.
- MURRAY, Sir John (1841-1914). Studied geology at Edinburgh. Assistant on H.M.S. *Challenger* expedition. Established Marine Laboratory, Edinburgh, 1884.
- MYERS, Charles Samuel (1873-1946). MA in natural sciences, Cambridge, 1895; MB from St. Bartholomew's Hospital London, 1898. Demonstrator, lecturer then reader (1921) in experimental psychology, Cambridge.
- NEILL, Robert M. Lecturer in zoology, Aberdeen.
- NEEDHAM, Terence Noel Joseph (1900-1995). FRS. PhD. Fellow of Gonville and Caius College, Cambridge. Biochemist and writer on science and religion, later historian of Chinese science.
- NEWBIGGIN, Marion I. (d. 1934). BSc (1893) and DSc (1898), London. Lecturer in zoology, Edinburgh School of Medicine for Women. Editor of *Scottish Geographical Magazine*.
- NEWCOMB, Simon (1835-1909). American astronomer.
- NICOL, Hugh (1898-1972). Obtained degree through evening classes, London. Bacteriologist at Rothamstead Experimental Station, 1935-39; senior scientific assistant, Imperial Bureau of Soil Science, 1939-46; professor of agricultural chemistry, West of Scotland Agricultural College, 1946-61.
- NOYES, Alfred (1880-1958). Poet.
- OGILVIE, Sir Francis Grant (1858-1930). BSc, Edinburgh; MA, Aberdeen. Principal of Heriot-Watt College, Edinburgh, 1886-1900; Director of Edinburgh Museum of Science and Arts, 1900-03, and of Science Museum, London, 1911-20.

- *ONslow, H. BSc. Private researcher associated with biochemistry department, Cambridge. Frequent contributor on wide range of topics to *Conquest* magazine.
- OWEN, David. FIP. BA, DSc.
- *OWEN, R. Cecil. BSc, London. Frequent contributor on health and other topics to *Conquest* magazine.
- PALMER, Richard. Zoology department, University College, London.
- PARRY, Ernest J. FIC. BSc. Industrial chemist.
- PEAKE, Harold John Edward (1867-1946). MA. Archaeologist and paleoanthropologist.
- PEARSNALL, W. H. Lecturer in biochemistry, Leeds.
- PEARSON, Stephen Oswald. AMIEE. Writer on radio.
- PEEL, J.O. Agricultural scientist, University College, Reading.
- PERCIVAL, John. Director of agricultural department, University College, Reading.
- PERKINS, F. Mollwo. FIC. PhD. Industrial chemist.
- PHILIP, James Charles (1873-1941). FRS, 1921. MA, DSc, Aberdeen; PhD, Göttingen. Assistant professor of chemistry, Imperial College, London, 1931-38.
- PHILLIPS, Percy. DSc. Physicist.
- PHILLIPS, Rev. Theodore Evelyn Reece. Secretary, Royal Astronomical Society.
- PIKE, Oliver G. (1877-1963). FZS, MBOU. Wildlife film maker.
- POCOCK, Reginald Innes (1863-1947). FRS. Studied biology and geology, Bristol. Assistant entomologist, Natural History Museum, 1885. Superintendent, Zoological Society of London, 1904.
- PODMORE, Frank (1856-1910). MA, Oxford. Post-office official and writer on psychical research.
- POLANYI, Michael (1891-1976). FRS. Hungarian chemist domiciled in Britain. Fellow of Merton College, Oxford. Writer on moral status of science.
- POOR, Charles Lane. Professor of astronomy, Columbia University, New York.
- POYNTING, John Henry (1852-1914). FRS. Studied at Owen's College, Manchester, and Cambridge. Fellow of Trinity College, Cambridge, 1878. Professor of physics, Birmingham, 1880.
- PROCTOR, Mary (1862-1957). FRAS. Daughter of Richard Proctor and writer on astronomy.
- PROCTOR, Richard Anthony (1837-1888). Writer on astronomy and founder of *Knowledge*.
- PYCRAFT, William Plane (1868-1942). FZS, FLS, MBOU. Assistant to E. Ray Lankester at Oxford, 1892-98. Assistant keeper of osteological collections, Natural History Museum, London. Ornithologist and science writer.
- RAMSBOTTOM, John (1885-1974). MA in natural sciences, Cambridge, 1909. Deputy keeper then keeper of botany, Natural History Museum, London.
- RASTALL, Robert Heron (1871-1950). Reader in economic geology, Cambridge and editor of *Geological Magazine*.
- RAVEN, Rev. Charles Earle (1885-1964). Anglican clergyman; writer on ornithology and on science and religion.
- RAY, Charles. Children's writer.
- READ, John. Professor of chemistry, St Andrews.
- *REDGROVE, Herbert Stanley (1887-1943). Chemist at Regent Street Polytechnic, wrote on science and esotericism.

- REDMAYNE, Sir Richard Augustine Suddert (1865-1955). Professor of mining, Birmingham, 1902-08; Chief Inspector of Mines.
- REGAN, Charles Tate (1878-1943). FRS. Studied zoology at Cambridge; DSc. Assistant keeper (1901), keeper (1921) of zoology and then director, Natural History Museum, London.
- REID, Clement (1853-1916). FRS. Little formal education. On staff of Geological Survey.
- REITH, Sir John Walsham, Lord Reith of Stonehaven (1889-1971). Studied at Glasgow Technical College. General manager, then director general of BBC.
- RENNIE, John. Natural history department, University of Aberdeen.
- RICE, James (1874-1936). Studied mathematics and science at Queen's College, Belfast; MA. Senior physics master, Liverpool Institute, 1902-14, then senior lecturer (1914) and assistant professor (1924) of physics, Liverpool.
- RIDLER, F. W. Curator, Museum of Practical Geology.
- RIDLEY, Geoffrey Norman. BSc.
- *RISDON, P. J. Author of books on radio and frequent contributor on technology to *Conquest* magazine.
- RITCHIE, James. Zoologist at Royal Scottish Museum, Edinburgh, then Regius professor of natural history, Aberdeen.
- RITCHIE-CALDER, Lord. See CALDER, Peter Ritchie.
- ROBERTS, Sir Sydney Castle (1887-1965). Literary scholar and Secretary, Cambridge University Press.
- *ROBERTSON, R. A. de V. Major. Contributor on aviation to *Conquest* magazine.
- ROBSON, C. J. FZS. MA. Deputy keeper of zoology, Natural History Museum, London.
- ROEBUCK, William Denison (1851-1919). FLS. Editor of *The Naturalist*.
- ROMANES, George John (1848-1894). Darwinian biologist and psychologist.
- *ROSENHAIN, Walter. FRS, 1913. Studied at Queen's College, Melbourne, Australia, and Cambridge. DSc. Metallurgist at National Physical Laboratory, 1906-31. Frequent contributor to *Conquest* magazine.
- ROSS, Sir Ronald (1857-1932). FRS. Studied medicine at St Bartholomew's Hospital. Worked in India and discovered malaria parasite. Professor at Liverpool School of Tropical Medicine, 1899. Nobel prize for physiology and medicine, 1902.
- ROWLAND, John. Science master, The Prior School, Lifford, Co. Donegal. Novelist.
- RUSSELL, Alexander Smith (1888-1972). MA (1908) and DSc (1913), Glasgow. Tutor in physical chemistry, Christ Church, Oxford, 1920-55. Editor of *Discovery*. Elder of Presbyterian Church.
- RUSSELL, Bertrand Arthur William (1872-1970). FRS. Lecturer in logic, Cambridge, 1910. Philosopher and mathematician.
- RUSSELL, Sir Edward John (1872-1965). FRS, 1917. Studied at University of Wales, Aberystwyth. Soil chemist (1907) and then director, Rothamstead Experimental Station, 1912-43.
- RUSSELL, Harold. FZS, MBOU. BA.
- RUTHERFORD, Ernest, Lord (1871-1937). FRS. Born in New Zealand. Studied at Trinity College, Cambridge, BA 1897. Professor of physics, McGill University, Montreal, 1898. Professor of physics, Manchester, 1907. Cavendish professor of physics, Cambridge, 1919.

- SALEEBY, Caleb Williams Elijah (1878-1940). MB, Edinburgh, 1901. Practiced medicine and then became full-time writer on health and eugenics.
- SAMPSON, Ralph Allen (1866-1939). FRAS. Professor of mathematics, Durham, 1893-1910. Astronomer Royal for Scotland, 1910-37.
- SAUNDERS, Howard (1835-1907). FLS. FZS. Ornithologist.
- SAUNDERS, Sir Alexander Morris Carr (1886-1966). Oxford zoology degree, 1908, then demonstrator in zoology, Oxford. Professor of social sciences, Liverpool, 1923. Director of London School of Economics, 1937.
- SCHERREN, Henry (d. 1911). FZS.
- SCHUSTER, Edgar (b.1883). MA, DSc. Fellow of New College, Oxford.
- SCLATER, Philip Lutley (1829-1913). Studied law at Oxford. Secretary, Zoological Society of London, 1859-1902.
- SCOTT, Dunkinfield Henry (1854-1934). FRS. Studied at Oxford and in Germany. Keeper of the Jodrell Laboratory, Royal Botanical Gardens, Kew, 1892-1906.
- *SCOTT, James. Frequent contributor on technology to *Conquest* magazine.
- SCOTT-ELLIOT, G. F. See ELLIOT, G. F. Scott.
- SEARLE, Alfred B. (1877-1967). Cantor lecturer in Brickmaking.
- SEARLE, Victor Harold Legerton. MSc. Lecturer in physics, University College of the South West of England, Exeter.
- SEELEY, Harry Govier (1839-1909). FRS. Professor of geology, King's College, London. Paleontologist.
- SELIGMAN, Charles Gabriel (1873-1940). Qualified in medicine, 1896. On Torres Straits Expedition. Lecturer then professor (1913-34) of ethnology, London School of Economics.
- SELOUS, Edmund (1857-1934). Studied law. Ornithologist and writer on natural history.
- SEVERN, Joseph Milliot (b.1860). Trained in phrenology at O'Dell Institution, London. Popular writer on phrenology.
- SEWARD, Sir Albert Charles (1863-1941). FRS, 1898. First class degree in natural sciences, St. John's College, Cambridge, 1896. Lecturer in paleobotany (1888) then professor of botany, Cambridge, 1906. Master of Downing College, Cambridge, 1915.
- SHAW, George Bernard (1856-1950). Playwright and opponent of Darwinism.
- SHAXBY, John Henry. Lecturer in physics, University College, Cardiff.
- SHEARCROFT, Walter Francis Fairfax. AIC, AIP. BSc.
- SHENSTONE, William Ashwell (1850-1908). FRS, FIC. Trained as pharmacist. Senior science master, Clifton College, Bristol, 1880.
- SHEPSTONE, Harold J. FRGS. Frequent author in *Conquest* magazine.
- SHERRINGTON, Sir Charles Scott (1857-1952). FRS. Professor of physiology, Liverpool (1895-1912), then Waynfleet professor of physiology, Oxford, 1913-35. Nobel prize for medicine, 1932.
- SHIPLEY, Sir Arthur Everett (1861-1927). FRS. First class degree in natural sciences, Christ's College, Cambridge, 1884; ScD. Demonstrator in comparative anatomy (1886), lecturer in invertebrate morphology (1894), reader in zoology (1908), Cambridge. Master of Christ's College, Cambridge.
- SIMMONS, William Herbert. BSc. Lecturer in soap manufacturing, Battersea Polytechnic.
- SIMPSON, Alexander Nicol. FZS.
- SKENE, MacGregor. FLS. DSc. Lecturer in vegetable physiology, Aberdeen, then professor of botany, Bristol.

- SLOSSON, Edwin Emery (1865-1929). American chemist and science journalist.
- SMART, W. M. FRAS. MA, DSc. John Couch Adams astronomer in the University Observatory, Cambridge.
- SMITH, Geoffrey. MA. Zoology writer.
- SMITH, Sir Grafton Elliot (1871-1937). FRS. MD, Sydney, Australia. Professor of anatomy, Manchester, then at University College, London.
- SMITH, Kenneth Manley (1892-1981). FRS, 1938. PhD, DSc. Studied at Royal College of Science, London. Senior lecturer in entomology, Manchester. Director of Plant Virus Research Station, Cambridge.
- SMITH, William G. Lecturer in agricultural botany, Leeds.
- SNOW, Charles Percy, Lord (1905-1980). Studied physical chemistry at Cambridge, followed by research. Became science writer and administrator.
- SODDY, Frederick (1877-1956). FRS. Studied at University of Wales, Aberystwyth and Merton College, Oxford. Demonstrator in chemistry, McGill University, Montreal. Lecturer in physical chemistry, Glasgow, 1904-14. Professor of chemistry, Aberdeen, 1914-19, then at Oxford. Nobel prize for chemistry, 1921.
- SOLOMON, Arthur Kaskel. U.S. government research physicist.
- SORSBY, Arnold (1900-1980). MD. Research professor in ophthalmology.
- SPIELMAN, Percy E. FIC. BSc, PhD.
- STEAD, William Thomas (1843-1912) Magazine editor.
- STEP, Edward (1855-1931). FLS. President of the British Empire Naturalists Association.
- STEPHENSON, Ellen Mary. Studied zoology at Bedford College, London. Assistant lecturer in zoology, Birmingham.
- STERNBERG, George S. Surgeon general, U.S. Army.
- STEPHENS, Alec B. FIC. BSc. Lecturer in bleaching and dying, Royal Technical College, Glasgow.
- STEVENS, Henry Potter. FIC. MA, PhD. Industrial chemist.
- *STOKES, H. Gordon. Contributor on technology to *Conquest* magazine.
- STOPES, Marie Charlotte Carmichael (1880-1985). PhD, DSc. Studied at London and Munich. Taught paleobotany at Manchester (first female member of staff). Later campaigner for birth control.
- STREET, Arthur. Director of a Manchester metal foundry.
- SULLIVAN, John William Navin (1886-1937). Worked for telegraph company and studied at Northern Polytechnic. Journalist and writer.
- SWINTON, William E. (1900-1994). BSc and PhD, Glasgow. Paleontologist at Natural History Museum, London, and later at Royal Ontario Museum, Toronto.
- TANSLEY, Sir Arthur George (1871-1955). FRS, 1915. Studied natural sciences at Trinity College, Cambridge. Lecturer in botany, Cambridge, 1907-23. Professor of botany, Oxford, 1927-37. First president of British Ecological Society, 1939. Also wrote on psychology.
- TAYLOR, Eva Germaine Rimington (1879-1966). FRGS. BSc. Lecturer in geology, Birkbeck College, London.
- THEOBALD, Frederick Vincent (1860-1930). On staff of economic zoology section, Natural History Museum, London. Vice-president of South East Agricultural College, Rye.

- THOMAS, Herbert Henry (1876-1935). FRS, FGS. Natural science degree at Cambridge, 1897; DSc. Fellow of Balliol College, Oxford, 1898-1906. Joined Geological Survey, 1900, petrographer there from 1911.
- THOMSON, David Landsborough (1901-1964). PhD, Cambridge, 1928. Lecturer (1928) then professor (1937) of biochemistry, McGill University, Montreal.
- THOMSON, Sir George Paget (1892-1975). FRS. Studied natural sciences at Cambridge. Professor of natural philosophy, Aberdeen, 1922-30. Professor of physics, Imperial College, London, 1930-52. Chair of MAUD committee on design of atomic bomb.
- THOMSON, Sir John Arthur (1861-1933). Studied at Jena. Taught in Edinburgh, then Regius professor of natural history, Aberdeen, 1899-1930.
- THOMSON, Sir Joseph John (1856-1940). FRS. Cavendish professor of physics, Cambridge, 1884, and Master of Trinity College, Cambridge, 1915. Nobel prize for physics, 1906.
- THORPE, Sir Thomas Edward (1845-1925). FRS, 1876. Studied at Owen's College Manchester and in Germany; PhD, DSc. Professor of Chemistry, Imperial College, London.
- TILDEN, Sir William Augustus (1842-1926). FRS, 1880. BSc, DSc, 1871. Taught at Clifton College, Bristol. Professor of chemistry at Mason College, Birmingham, 1880-94, then at Royal College of Science, London.
- TISDALE, Charles William Walker. Agricultural scientist, University College, Reading.
- TIZARD, Sir Henry Thomas (1885-1959). FRS. Reader in chemical dynamics, Oxford, 1919; assistant secretary, Department of Scientific and Industrial Research; rector of Imperial College, London, 1929. Chief scientific adviser to Ministry of Defence, 1948-52.
- TRUEMAN, Sir Arthur Elijah (1894-1956). Studied geology at Nottingham. Assistant lecturer in geology, Cardiff, 1917-21. Lecturer (1921), then professor (1933) of geology, Swansea. Professor of geology, Bristol, 1933-37, and Glasgow, 1946-49. Deputy chair of University Grants Committee.
- TURNBULL, Herbert Westren (1885-1961). FRS, 1932. FRSE. MA in mathematics, Trinity College, Cambridge, 1911. Professor of mathematics, St Andrews, 1921-50.
- TURNER, Charles Cyril (1870-1952). Major in British Army. Aeronautical engineer.
- TYRRELL, George Walter (183-1961). FRSE, FGS. Studied at Imperial College, London; DSc, Glasgow. Lecturer (1911) then senior lecturer (1919) in geology, Glasgow.
- VERNON, Charles Gayford. MA, Cambridge; DSc, London. Chemistry master, Beddes School.
- VINCENT, Swayle (1868-1933). FRSE. DSc, Edinburgh; MD. Professor of physiology, University of Manitoba, 1904-20. Middlesex Hospital Medical School, London, then professor of physiology, London, 1920-30.
- VORONOFF, Sergei. Inventor of rejuvenation process involving injections of monkey glands
- WADDINGTON, Conrad Hal (1905-1975). FRS, FRSE. Studied zoology at Cambridge. Lecturer in zoology, Cambridge, and fellow of Christ's College. Professor of animal genetics, Edinburgh, 1945.
- WALKER, Kenneth (1882-1966). Degree in natural sciences at Cambridge, 1904, followed by medical training at St Bartholomew's Hospital. Hunterian

- professor of Royal College of Surgeons and consulting surgeon specializing in urology.
- WALKER, Norman. Plant biologist and BBC broadcaster.
- WALL, Thomas Frederick (1883-1953). BEng, DSc. Chief lecturer in electrical research, Sheffield.
- WALLACE, Alfred Russel (1823-1913). Biologist, co-discoverer of natural selection, and science writer.
- WARBURTON, Cecil. MA in zoology, Cambridge. Demonstrator in medical entomology, Cambridge, 1912.
- WARD, Robert de Courcy (1867-1931). Assistant professor of climatology, Harvard University.
- WARNES, Arthur Robert (1877-1942). FIC, AMIMEchE. Lecturer in coal tar distillation, Hull Technical College, and industrial chemist.
- WATSON, David Meredith Sears (1886-1973). FRS. Studied at Manchester. Jodrell professor of zoology, University College, London.
- WATSON, Sir James Anderson Scott (1889-1966). Lecturer in agriculture, Edinburgh and professor of rural economy, Oxford.
- WATTS, William Whitehead (1860-1947). First class degree in natural sciences at Sydney Sussex College, Cambridge, 1882; DSc. 1909. Petrographer to Geological Survey. Professor of geology, Imperial College, London, 1906.
- WEBB, Wilfrid Mark. FLS.
- WELLS, Herbert George (1866-1946). Studied at Normal School of Science, London. Science writer and novelist.
- WESTELL, William Percival (1874-1943). FLS, MBOU. Natural history writer and archaeologist. Curator of Letchworth Museum, 1914.
- WHETHAM, William Cecil Dampier (1867-1952). FRS, 1901. Fellow and lecturer, Trinity College, Cambridge, 1895-1922. Secretary to Agricultural Research Council, 1931-35.
- WHITEHEAD, Alfred North (1861-1947). FRS. Lecturer in mathematics, Cambridge, 1886-1910; professor of applied mathematics, Imperial College, London, 1914-24. Professor of philosophy, Harvard University, 1924-37.
- WHYTE, Adam Gowans (1875-1950). BSc. Electrical engineer and member of the Rationalist Press Association.
- WHYTE, Rev. Charles. FRSE, FRAS. Rector of United Free Church, Kingswell, Aberdeen.
- WILLIAMS, Archibald (1871-1934). MA, FRGS. School tutor and popular writer on engineering.
- WILSON, Andrew. FRSE. Physiologist and science writer.
- WILSON James. Professor of agriculture, Royal College of Science, Dublin.
- WITCHELL, Charles A. (d. 1907). Natural history writer.
- WITHERBY, Harry Forbes (1873-1943). MBOU. Editor of *British Birds*.
- WOOD, Alex. MA. Fellow of Emmanuel College, Cambridge.
- WOOD, Thomas Barlow (1869-1929). FRS. MA, Cambridge. Lecturer (1900) then reader (1902) and professor (1907) of chemistry, Cambridge.
- WOODHEAD, Thomas. Biology lecturer, Huddersfield Technical College, then curator, Huddersfield Museum.
- WOODWARD, Sir Arthur Smith (1864-1944). FRS. Studied at Owen's College, Manchester. Assistant keeper (1892) and keeper (1901), department of geology, Natural History Museum, London. Expert on fossil fish; described human remains from Piltdown.

- WRIGHT, R. Patrick. Principal, West of Scotland Agricultural College.
- YARSLEY, Victor Emmanuel (1901-1994). PhD, Zurich, 1928. Consulting chemist to plastics industry specializing in acetate for films.
- YONGE, Sir Charles Maurice (1899-1986). FRSE, FRS, 1946. D.Sc. Worked at Plymouth Marine Biological Laboratory. Leader of the Great Barrier Reef Expedition, 1928-29. Regius Professor of Zoology, Glasgow, and Chair, Scottish Marine Biological Association. Writer on ichthyology.
- ZUCKERMAN, Solly, Lord (1904-1993). FRS. Primatologist with Zoological Society of London, 1928-32, then taught at Oxford and Birmingham. Science adviser to British government.