

Books, manuscripts and documents dating before 1901 in the library collections of the Institute and Faculty of Actuaries

The following is an index in alphabetical order of principal author or title of printed books, manuscripts and documents that date from ca.1252 to 1900 in the libraries of the Institute and Faculty of Actuaries in London and in Edinburgh. It covers items originally published before 1901 so some later published facsimiles and modern reprints of early texts are also included.

The actuarial profession's special library collections are of items which relate to the origins, creation and development of actuarial science. They encompass themes of early insurance and pensions, demography (particularly mortality patterns of populations), commercial arithmetic (application of compound interest in accumulating funds) and statistics and probability theory leading to calculations of life expectancy and the business of offering life assurance and pension schemes based on 'actuarial' mathematics. Most texts are in English but there are significant items for actuarial science from France, Germany and Holland. The collections are relevant to social history too as they demonstrate a growing understanding of finance in eighteenth- and nineteenth-century society, as wider social groups moved to protect their wealth from enterprise for their dependants and future family generations. Ideas on viable and sustainable funding had also been applied to developing state forms of social insurance. The collections hold much evidence from insurance societies of the work of 'actuaries' who emerged from the late eighteenth century, forming a first professional body as the Institute of Actuaries in 1848. The list includes the Archive of the Equitable Life Assurance Society, acquired by the Institute of Actuaries in 2006, with key historical manuscripts by Thomas Bayes, James Dodson, Richard Price and William Morgan.

The Institute and Faculty of Actuaries library adds relevant items to its collections each year and this list will be updated periodically to include new acquisitions.

Bibliographic entries and grouping under one author vary in detail and consistency. This is owing to how pamphlets have been collated for use at the libraries and to the cataloguing style and decisions of librarians over time. There are 'bookmarks' in this Adobe Portable Document Format (PDF) for users to jump down the alphabet of listed authors' surnames or corporate names. Or <Control + F> can be used to search for a name/keyword in the list. This remains an interim tool to allow researchers to identify items the libraries hold.

Those wishing to view items at the Institute and Faculty of Actuaries Libraries should first contact the librarian at the IFoA London Library to arrange a visit, citing the 'RKN' number of items of interest from the list. For Faculty historic texts, you may be directed to IFoA Library, Edinburgh, which holds the Faculty collection.

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Institute and Faculty of Actuaries Library, April 2020

We advise users to increase zoom or text size to read this list on screen.

Abbe, Cleveland (1871). *Historical note on the method of least squares*. [pamphlet]. 1871. - 6 pages. [RKN: 71251]
Extract from the American Journal of Science and Arts, vol 1 June 1871

Abbott, J (1841). *Tithe commutation tables, for ascertaining the amount of rent charge payable for the year 1841, according to the average prices of wheat, barley and oats, for the seven years ending Christmas, 1840, as declared in the London Gazette*. [pamphlet]. - Pontefract: 1841. [RKN: 40844]

Abercrombie, W (1870). *Calendar applicable to all future time. Interest table at 1%*. [book]. - Paisley: 1870. [RKN: 4351]

Aberdeen Fire and Life Assurance Company (1826). *Contract of copartnership of the Aberdeen Fire and Life Assurance Company 1825*. [corporate document]. - Aberdeen: Printed by D Chalmers and Co, 1826. - 38 pages. [RKN: 71495]

Aberdeen Mutual Assurance and Friendly Society (1832). *Constitution and laws*. [corporate document]. - Aberdeen: 1832. [RKN: 40833]

About, Edmond; Reboul, E (1865). *L'assurance*. [pamphlet]. - Saint-Germain: 1865. [RKN: 40623]

About, Edmond (1866). *L'assurance*. - 2nd ed. [pamphlet]. - Paris: 1866. [RKN: 4767]

Académie Royale des Sciences (1766;1760). *Histoire de l'Académie Royale des Sciences. Année M D.CCLX.: Avec les Mémoires de Mathématique & de Physique pour la même Année, tirés des Registres de cette Académie*. [journal]. - Paris: Imprimerie Royale, 1766;1760. - 1 vols. - [v], 212; 476 pages. [RKN: 43217]

This printing includes of the Daniel Bernoulli paper includes his 'Introduction made long after the Mémoire, being of date 16 April 1765'

An Accountant (1829). *Principles of life annuities and assurances*. [book]. - Edinburgh: 1829. [RKN: 4914]

An Accountant (1838). *Principles of life annuities and assurances, practically illustrated*. [pamphlet]. - Edinburgh: Thomas Clark, Law Bookseller, 1838. [RKN: 62663]

See also RKN 4914 for another copy

Ackland, Thomas Gans; Hardy, George Francis (1889). *Graduated exercises and examples for the use of students of the Institute of Actuaries textbook*. [book]. 1889. [RKN: 4249]

Ackland, Thomas Gans (1900). *Some elementary notes on mortality tables, their construction and use: read before the Birmingham Insurance Institute, 16th February 1900*. [pamphlet]. - Birmingham: E C Osborne and Son, 1900. - 20 pages. [RKN: 70002]

Acland, John; Price, Richard (1786;2011 reprint). *A Plan for rendering the Poor independent on public contributions; founded on the basis of the Friendly Societies, commonly called Clubs: To which is added, A Letter from Dr Price, containing his sentiments and calculations on the subject*. [pamphlet]. - Exeter; London: Printed and sold by R Thorn (Exeter); by Messrs Rivington and T Cadell (London), 1786;2011 reprint. - vi, 59, [2] pages. [RKN: 20112]

'By the Rev. John Acland' - t.p. -- Library also holds facsimile copy produced by Gale Ecco (Eighteenth Century Collections Online, Andover) with cover title as above but amended: 'A Plan...; founded on clubs. Also, a letter from Dr Price... on the subject'

Active Life Assurance Loan, Endowment and Reversionary Interest Society (n.d.). [Prospectus]. [commercial pamphlet]. n.d.. [RKN: 41194]

Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Acts relating to assurance in the reign of Queen Victoria 1837-1867. [legislation]. 1837;1838;1840;1842;1847;1849;1852;1859;1861;1864;1867. [RKN: 8306]

Actuarial Commission on Friendly Societies (1876). *Reports from the commission appointed under the Friendly Societies Act of 1875, together with a copy of the first and second, and of the second part of the third, of those reports*. [book]. 1876. [RKN: 6005]

Actuarial reports on pension and widows' funds 1759-1910. [pamphlets collection (bound)]. 1759-1910. [RKN: 9513]

Actuarial Society of America (1880). *History of the foundation of the Actuarial Society of America*. [book]. - New York NY (USA): 1880. - 51 pages. [RKN: 152]

Actuarial Society of Edinburgh Transactions. [journal]. [RKN: 362]

Actuarial Society of Edinburgh (1859 -1870). *Publications of the Actuarial Society of Edinburgh: First series, vol 1*. [pamphlets collection (bound)]. - Edinburgh: 1859 -1870. [RKN: 62329]

Presented to the library by W Rae Macdonald, 21 February 1913. Handwritten title page and list of contents. -- See also RKNs 62328, 40824, 70654, 62330

Actuarial Society of Edinburgh (1859-1873). *Actuarial Society papers 1859-1873*. [pamphlets collection (bound)]. - Edinburgh: 1859-1873. [RKN: 62328]

Papers bound in random order, with Faculty material at the front (not listed). Last paper is not mentioned as being an address to the Actuarial Society. -- See also RKNs 62329, 70654, 40824, 62330

Actuarial Society of Edinburgh (1859-1873). *Actuarial Society's papers 1859-1875*. [pamphlets collection (bound)]. - Edinburgh: 1859-1873. [RKN: 62330]

Papers bound in a different order to RKN 62328. -- Handwritten contents list -- "The profession of an actuary" is cut from a newspaper and glued in. -- Book belonged to Archibald Hewat and is dated 1876

Actuarial Society of Edinburgh (1863-1896). *Actuarial Society [of Edinburgh]: presidential addresses*. [pamphlets collection (bound)]. 1863-1896. [RKN: 70654]

See also RKNs 62328-30

Actuarial Society of Edinburgh (1868). *Laws instituted 3rd February 1859*. [corporate document]. - Edinburgh: 1868. [RKN: 40824]

See also RKNs 62328, 62329 & 62330

Actuarial Society of Edinburgh; Insurance and Actuarial Society of Glasgow (1874). *Transactions of Edinburgh and Glasgow societies*. [journal]. - Edinburgh: Actuarial Society of Edinburgh, 1874. - 1 vols. [RKN: 45465]

Actuaries Club (1895). *Annals of the Actuaries Club*. [book]. Actuaries Club, 1895. - 28 pages. [RKN: 212]

[Actuary] (1869). *Life assurance companies: their financial condition discussed, with reference to impending legislation, in a letter addressed to W E Gladstone, by an actuary*. [pamphlet]. - London: 1869. [RKN: 40201]

An Actuary (c1825). *The errors of actuaries, as applicable to the tables of friendly societies*. [pamphlet]. c1825. [RKN: 62671]

An Actuary (c1832). *Rules and tables for the use of friendly societies in every part of the United Kingdom, with notes, observations, and instructions*. [pamphlet]. c1832. - 32 pages. [RKN: 62672]

Spine reads: Pamphlets on Friendly Society and Savings Banks

An Actuary (c1832). *Instructions for the establishment and improvement of friendly societies*. [pamphlet]. c1832. - 16 pages. [RKN: 62673]

Adams, John (1787). *The mathematician's companion, or a table of logarithms from 1 to 10,860* [book]. - London: 1787. [RKN: 1391]

Adan, H F G (1871). *Notice sur l'histoire de assurances sur la vie*. [pamphlet]. - Brussels: 1871. [RKN: 40424]

Adan, H F G (1874). *Les caisses de veuves et orphelins et la nécessité de leur reform*. [pamphlet]. 1874. [RKN: 40422]

Adan, H F G (1879). *De la présomption de faute en matière de responsabilité civile des chefs d'exploitation industrielle*. [pamphlet]. - Brussels: 1879. [RKN: 40420]

Adan, H F G (1880). *Etude sur la nature du contract d'assurance sur la vie*. - 2nd ed. [pamphlet]. - Brussels: 1880. [RKN: 40421]

Faculty copy dated 1876 (1st edition?)

Adan, H F G (1887). *Les polices tontinières ou polices d'accumulation des compagnies américaines et leurs promesses*. [pamphlet]. - Brussels: 1887. [RKN: 40423]

Adan, H F G (1887). *Die Tontinen-Versicherung oder die Policen mit Gewinn-Ansammlung der amerikanischen Lebens-Versicherungs Gesellschaften und deren Versprechungen*. [pamphlet]. 1887. [RKN: 40837]

Adan, H-F-G (1889;1870;1883). *Life and accident insurance*. [pamphlet]. - Bruxelles: P Weissenbruch, 1889;1870;1883. [RKN: 9819]

Address by the manager of the Scottish Widows' Fund, and Life Assurance Society instituted January 2, 1815: containing an account of the origin, constitution, and progress of the society.. [corporate document]. - Edinburgh: J Moir, 1830. - 43 pages. [RKN: 71559]

Bound in a volume reading 'The Scottish Widows' Fund' on spine.

Adler, Marcus N (1892). *The health laws of the Bible and their influence upon the life condition of the Jews*. [article offprint]. 1892. - 11 pages. [RKN: 71207]

Reprint from the Imperial and Asiatic Quarterly Review, January 1892

Advertisements of assurance offices [pamphlet]. [RKN: 62645]

Agnew, John Vans (1826). *Some important questions in Scots entail law, briefly considered: to which are added reports of the decisions of the House of Lords, 31st July 1822, in the appeals Vans Agnew against Stewart and others, and Vans Agnew against the Earl of Stair and others*. [pamphlet]. - Edinburgh: 1826. - 96 pages. [RKN: 70749]

Agricultural and General Life Insurance Company (n.d.). [Prospectus]. [commercial pamphlet]. n.d.. [RKN: 41195]

Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Airy, George Biddle (1879). *On the algebraical and numerical theory of errors of observations*. - 3rd ed. [book]. - London: 1879. [RKN: 1716]

Albert Life Assurance Company; McCalmont, Hugh (Baron Cairns) (1872). *First arbitration award and papers*. [pamphlets collection (bound)]. - London: 1872. [RKN: 8149]

Albert Life Assurance Company; McCalmont, Hugh (Baron Cairns) (1875;1873;1875). *First, second and third and final arbitration awards*. [corporate document]. - London: 1875;1873;1875. [RKN: 8150]
Bound in one volume. Awards made 1872 (1st), 1873 (2nd) and 1875 (3rd)

Albert Life Assurance Company; Cairns (Lord) (1875). *Third and final arbitration award*. [corporate document]. - London: 1875. [RKN: 8151]

Albion Fire and Life Insurance Company (1837). [*Prospectus*]. [commercial pamphlet]. 1837. [RKN: 41196]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Albion Fire and Life Insurance Company (1844). [*Prospectus*]. [commercial pamphlet]. 1844. [RKN: 41197]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Aldcroft, W H (1900). *Characteristics of the tables of mortality*. [pamphlet]. - Glasgow: Insurance Institute of Manchester. printed by James Hedderwick & Sons, 1900. - 34,[2] pages. [RKN: 11011]
A paper read before the members of the Insurance Institute of Manchester on 20th March, 1900

Alexander, James (1864). *A five farthing penny: a new and simple system of account and reckoning for the million: [Read before the Royal Society of Edinburgh, 21st March 1864]*. [pamphlet]. - Edinburgh: Andrew Elliot, 1864. - 32 pages. [RKN: 70971]

Alexandra Palace and Muswell Hill Estate (c1886). *The Alexandra Palace and Muswell Hill Estate Tontine, to terminate on the 30th of June, 1886*. [commercial pamphlet]. - London: c1886. - [2] pages. [RKN: 43738]
'This being a "Trust", subscribers incur no liability' -- 'Certificates pass to and entitle the bearer: 1. To participation in the proceeds of sale of the property if the representative life upon which the Tontine privilege depends shall be living on the 30th June 1886; 2. To the receipt from a life assurance of the sum of 20s in respect of each guinea paid upon any certificate, if the representative life shall die before the said 30th of June, 1886; 3. To admissions to the Palace and Park; 4. To participation in Art Union distributions proposed to be hereafter established'

Alfred Home and Foreign Life Assurance and Mutual Annuity Association (n.d.). [*Prospectus*]. [commercial pamphlet]. n.d.. [RKN: 41198]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Alison, Alexander (1852). *Universal free trade*. - 3rd ed. [pamphlet]. - London: 1852. [RKN: 41142]

Alison, Sir Archibald (1840). *The principles of population, and their connection with human happiness*. [book]. - Edinburgh: William Blackwood, 1840. - 2 vols. - 2 v. (xix, 572; viii, 514 p.) pages. [RKN: 9082]

Alison, W P; Arnott, N (1840). *Observations on the generation of fever*. [pamphlet]. - London: 1840. [RKN: 40800]

Allen, J A (1869). *Medical examinations for life insurance*. - Rev ed. [book]. - Chicago IL (USA): 1869. [RKN: 4968]
Faculty holds revised edition (1872)

Allen, Joseph (1877). *An inquiry concerning all the life insurance offices (British and foreign) having agencies in the United Kingdom: With a table prepared from the parliamentary returns, shewing in which of the offices policyholders may with certainty depend upon receiving the largest return for their money*. - 3rd ed. [pamphlet]. - London: Smart & Allen, 1877. - 25 pages. [RKN: 71094]

Allester, D W S (1846). *A table of simple interest*. [pamphlet]. - Edinburgh: 1846. [RKN: 40739]

Alliance British and Foreign Life and Fire Assurance Company (n.d.). [*Prospectus*]. [commercial pamphlet]. n.d.. [RKN: 41199]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Allison, Edward D (1826). *Observations on the expediency of instituting a friendly association of the medical profession throughout Scotland, for insuring a provision during sickness and old age, widows' annuities, endowments to children etc*. [pamphlet]. - Edinburgh: Adam Black, 1826. - 36 pages. [RKN: 70680]

Altenburger, Julius (1900). *Theorie des Policen-Ruckkaufes in der Lebensversicherung*. [pamphlet]. - Wien (Vienna): 1900. [RKN: 40179]
Collected papers: Julius Altenburger - Miscellaneous papers.

Altenburger, Julius (1900;1905). *Miscellaneous papers*. [pamphlets collection (bound)]. 1900;1905. [RKN: 3405]

American Academy of Political and Social Science (1898). *The economic relation of life insurance to society and state: Report of the meeting held on December 17th 1897, under the auspices of the American Academy of Political and Social Science*. [pamphlet]. - Philadelphia PA (USA): American Academy of Political and Social Science, 1898. - 48 pages. [RKN: 71137]

The American life assurance magazine and journal of actuaries. [journal]. 1862. - 192 pages. [RKN: 70032]

American National Life Trust Co. (1874-1875). *Application for appointment of a trustee. Arguments in probate court*. [book]. - New Haven CT (USA): 1874-1875. [RKN: 8159]

Amicable Society ([1845]). *The charters and by-laws of the Corporation of the Amicable Society for a perpetual assurance office.* [corporate document]. - London: Printed by Samuel Bentley, [1845]. - 160 pages. [RKN: 71252]

Amicable Society for a Perpetual Assurance Office (1762). *Terms, Methods and Advantages of insuring Lives in the Office of the Amicable Society for a Perpetual Assurance, kept in Serjeant's Inn, Fleet Street.* [commercial pamphlet]. - London: Amicable Society, 1762. - [1] pages. [RKN: 43192]

Large prospectus notice of the Amicable Society, established 1706, still offering life assurance (not on actuarial lines) to those aged 12 to 45, the first enterprise to do so. This prospectus is in the year the Society for Equitable Assurances was established, whose life assurance policies had premiums calculated actuarially from mortality experience.

Amicable Society for a Perpetual Assurance Office (1790). *Charters and bye-laws, with resolutions of 1770 and 1781.* [corporate document]. 1790. [RKN: 8129]

Amicable Society for a Perpetual Assurance Office; Pensam, John (1807). *A short account of the Corporation of the Amicable Society for a Perpetual Assurance Office. Serjeant's Inn, Fleet Street, London, Instituted by Charter of Queen Anne, anno 1706. With the Terms and Methods of becoming Members thereof.* [corporate document]. - London: Printed by W Phillips, 1807. - 3, [1] pages. [RKN: 43171]

'Corporation of the Amicable Society (for Insurance on Life): Abstract of the Charters and By-Laws. With the Terms and Methods of becoming Members' - title printed on page fold. -- Together with the Abstract are fifteen engraved receipts for quarterly contributions to the Society by a "Contributor to the Joint Stock" ('Rev. Robert Thorp', policyholder for his own life), dated 1791 and 1794

Amicable Society for a Perpetual Assurance Office; Galloway, Thomas (1836). *Corporation of the Amicable Society for a Perpetual Assurance Office.* [commercial pamphlet]. - London: the Society, 1836. - 4 pages. [RKN: 42942]

Amicable Society for a Perpetual Assurance Office (1836). *Prospectus.* [commercial pamphlet]. 1836. - 15 pages. [RKN: 62851]

Amicable Society for a Perpetual Assurance Office (1839). [*Prospectus*]. [commercial pamphlet]. 1839. [RKN: 41200]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Amicable Society for a Perpetual Assurance Office (c1757). *Abstracts of charters, with byelaws and resolution of 11th August, 1757.* [corporate document]. c1757. [RKN: 8128]

Amicable Society (Liverpool) (1814). *Articles of the Amicable Society, instituted in Liverpool, the twelfth day of December, 1803; supported and carried on by the voluntary contributions of its members; for the purpose of making a provision for themselves in time of sickness, misfortune, infirmity, or incapacity of attending to business; and in some degree to provide for their legal representatives, after their decease; and for other beneficial purposes.* [corporate document]. - Liverpool: Printed by H Forshaw, 1814. - 1 vols. - 28 pages. [RKN: 43228]

Amicus (Pseudonym) (1772). *Remarks on Dr Price's observations on reversionary payments.* [book]. 1772. [RKN: 4277]

Ampère, André-Marie (1802). *Considerations sur la Théorie Mathématique du Jeu.* [book]. - Lyon: chez les Frères Perisse, 1802. - 1 vols. - 63 pages. [RKN: 43140]

Analytical Society (1813). *Memoirs.* [journal]. - Cambridge: 1813. [RKN: 1060]

Anchor Life Assurance Company (n.d.). [*Prospectus*]. [commercial pamphlet]. n.d. [RKN: 41201]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Ancient Order of Foresters (1840;1845;1846;1848;1854;1859;1863;1865). [*Collection of printed rules of the Order of Foresters in Malton, Warrington, Durham and elsewhere, 1840-1865*]. [pamphlets collection]. 1840;1845;1846;1848;1854;1859;1863;1865. - 16; 32; [4]; 36; 31, [1]; 14, [2]; 16; 36; 15, [1]; 32; 7, [1] pages. [RKN: 43727]

The Ancient Order of Foresters was founded in Rochdale in 1834, when over 300 branches of the Royal Foresters Society, formed in the eighteenth century, came together to form the new Order. Its purpose was to provide support for its members in case of illness or death.

Ancient Order of Foresters Friendly Society; Neison, Francis Gustavus Paulus, Sr (1872). *Report upon the sickness experience of the Ancient Order of Foresters' Friendly Society, for the year 1870.* [corporate document]. - Newcastle-upon-Tyne: 1872. - 11 pages. [RKN: 71012]

Ancient Order of Foresters Friendly Society; Neison, Francis G P, Jr (1882). *The rates of mortality and sickness according to the experience for the five years 1871-1875, of the Ancient Order of Foresters Friendly Society, with a series of monetary tables at 3, 3½ and 4 per cent interest.* [corporate document]. - London: Printed by Harrison and Sons, 1882. - 217 pages. [RKN: 6163]
Also bound in: Neison & Barnes: AOF 1871-1875 monetary table

Ancona, J S (1850). *Hints for the valuation of ecclesiastical and other property.* [pamphlet]. - London: 1850. [RKN: 40697]

Anderson, E Garrett (1898). *Deaths in childbirth.* [pamphlet]. 1898. [RKN: 71294]
Extract from the Correspondence section of the British Medical Journal, Sept 17 1898

Angus, John *Old and new Bills of Mortality: movement of the population: deaths and fatal diseases in London during the last fourteen years.* [journal article]. [RKN: 44240]
Journal of the Statistical Society (1854) **17(2)**: 117-142.

Annual Bonus Life Assurance Society *Constitution.* [corporate document]. [RKN: 40248]

[Anonymous] *Table V: Shewing the annual amount of life annuities, granted on the continuance of two lives, and the life of the longer liver of them, which will be payable for 100 pounds stock of 3 per cent. consolidated or reduced bank annuities transferred according to the average price thereof, in case the age of the elder nominee shall exceed the age of the younger nominee by more than 15 years, but not by more than 20 years at the time of transfer.* [pamphlet]. [RKN: 40293]

[Anonymous] *An appeal to the inhabitants of Richmond and its neighbourhood. By a member of the Literary and Scientific Institution.* [pamphlet]. - London: [RKN: 40584]

[Anonymous] *Elementary illustrations of the differential and integral calculus.* [pamphlet]. [RKN: 40726]

[Anonymous] *How to assure, and where to assure: a statement as to safety, by a very quiet looker-on.* [pamphlet]. - London: [RKN: 40600]

[Anonymous] *Names and residences of actuaries in London. Authorized to certify tables, which may be safely adopted in England, by Friendly Societies, for securing benefits depending on the laws of sickness and mortality. 9 & 10 Victoria, cap. 27, sec. 13.* [pamphlet]. [RKN: 40546]

[Anonymous] *Sketch on the life and contributions to science of Joseph Henry.* [pamphlet]. [RKN: 40830]

[Anonymous] *Statistical tables.* [pamphlet]. [RKN: 40669]

Sections IX to XIII of a reference book, title unknown, giving various population figures for home and overseas in the early part of the 19th century

[Anonymous] ([1625-1651]). *[Compound interest tables].* [manuscript]. - [England]: [1625-1651]. - 1 pages. [RKN: 43173]

The tables are calculated at a rate of interest of 8% per annum, and this means that they were almost certainly compiled between 1625, when the maximum legal rate of interest was reduced from 10% to 8%, and 1651, when a further reduction took place, to a new rate of only 6%. The handwriting would be consistent with a date of between 1625 and 1651. -- The tables are the four standard compound interest functions of $(1+i)^n$ raised to the power of n , $s(n)$, v raised to the power of n , and $a(n)$. They are shown for values of n from 1 to 30. Interestingly there is an error in the third table (v raised to the power of n) where the second and third figures in the main column are incorrect. (observed by Chris Lewin FIA)

[Anonymous] (1751). *A letter from a gentleman in town to his friend in the country, recommending the necessity of frugality.* - 3rd ed. [pamphlet]. - London: 1751. [RKN: 40825]

[Anonymous] (1836). *An essay on the means of insurance against the casualties of sickness, decrepitude, and mortality.* [pamphlet]. - London: Charles Knight, 1836. - iv, 63 pages. [RKN: 40251]

'Comprising an article reprinted from the Westminster Review (no. XVIII) for April 1828, with additional notes and corrections' - title page.

[Anonymous] (1842). *On the application of mutual insurance to education.* [pamphlet]. - London: 1842. [RKN: 40181]

[Anonymous] (1846). *Decimal coins, weights and measures.* [pamphlet]. - London: 1846. [RKN: 40740]

[Anonymous] (1847). *A few words on behalf on the middle classes on the subject of income tax.* [pamphlet]. - London: 1847. [RKN: 40130]

[Anonymous] (1851). *Medical combinations against life insurance companies.* [pamphlet]. - London: Orr and Company, 1851. - 16 pages. [RKN: 40531]

[Anonymous] (1852). *Record of British colonies and enterprise beyond the sea.* [pamphlet]. - London: 1852. [RKN: 40815]

[Anonymous] (1852). *The finances and trade of the United Kingdom at the beginning of the year 1852.* - 4th ed. [pamphlet]. - London: 1852. [RKN: 41140]

[Anonymous] (1854). *Decimal coinage: what it ought and what it ought not to be.* [pamphlet]. - London: 1854. [RKN: 40138]

[Anonymous] (1860). *Novelties in life assurance.* [pamphlet]. - London: 1860. [RKN: 40292]

[Anonymous] (1865). *Key to premiums for life assurance, as charged by all life assurance companies in Great Britain, for all ages between 20 and 60, to insurance 100 pounds, payable at death: either with profits or without profits.* [book]. - London: 1865. [RKN: 40843]

[Anonymous] (1871). *Unbiased notes on life assurance: Illustrated by seven original tables for popular use.* [pamphlet]. - London: 1871. [RKN: 40678]

Anonymous; Freshfield, Edwin (ed) (1887). *The vestry minute book of the parish of St Margaret Lothbury in the City of London, 1571-1677*. - British Library History of Britain & Ireland. [facsimile reprint]. - London: British Library, 1887. - xlvii, [19], 150 pages. [RKN: 43848]

The book contains a transcription of the original Indenture, agreement between Edmund Warcup, William Petty, John Graunt and others relating to the bargain and sale of "All that Great Capitall Mesuage and Tenement in One Garden... in the Parish of St Margaret in Lothbury, dated 8 March 1659, of which the Institute of Actuaries Library holds a contemporary counterpart manuscript. -- Edwin Freshfield reports, page vii: 'The street which now [1887] goes by the name of Tokenhouse Yard was not in existence prior to the very end of the Great Rebellion. It was up to that time called Tokenhouse Garden. It so happens that I have the original deeds of a sale of a portion of the land upon which Tokenhouse Yard was made in the year 1659, and these deeds relate to the making of it. These deeds I [Edwin Freshfield] acquired by accident from a bookseller, and the interest of them to me is, that in giving the boundaries of the new street upon a plan attached to the deed, the maker of the plan has also given some information with regard to the church of St Margaret's and the neighbouring houses.'

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English translation of first edition in Latin published 1624. -- These numbers were first invented by ... John Neper [Napier], Baron of Marchiston, and the same were transformed, and the foundation and use of them illustrated with his approbation by Henry Briggs... The uses whereof were written in Latin by the Author himselfe, and since his death published in English by diverse of his friends, according to his mind, for the benefit of such as understand not in the Latin tongue - title page. -- Library holds 2nd Latin edition of 1628 edited and corrected by Adrain Vlacq. -- This copy formerly owned by Francis Maseres (1731-1824) then the Inner Temple Library.

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pp 213-376 and 450-451 are particularly relevant

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Originally published in 1699 and first translated into English in 1702. -- The translator wrongly attributes to De Witt when the author is Pieter De La Court. -- The Institute Library holds 1st (1702) and 3rd (1746) editions

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De Moivre, Abraham (1743). *Annuities upon lives: Second edition, plainer, fuller and more correct than the first: With several tables, exhibiting at one view, the values of lives for several rates of interest.* - 2nd ed. [book]. - London: printed for the author by Henry and George Woodfall, 1743. [RKN: 41294]

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- De Morgan, Augustus** (1850). *The elements of arithmetic.* - 5th ed. [book]. - London: 1850. [RKN: 2444]
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- Professor Euler's formula for time in which the population ought to double

- 'from the excess of baptisms'

- 'Comparison of the order of mortality' [Vaud, Paris and the country, St Sulpice, Normandy and parishes]

- Mortality in different countries (London, Simpson's Table; London, Hodgson's Table; Holland, Kersseboom's Table; Sweden, Wargentin's Table)

- (Vienna, eight years; Breslau, Halley's Table; Leipzig, five years; Brunswich, four years; Berlin, four years; Brandenburg, two small towns; Brandenburg, 31 villages; Brandenburg, Sussmilch general table) -- 'Article LXXX. Two interesting tables relative to population' by 'Helveticus' considers Muret's table: 'Order of mortality of married and of single women, taken from thirtyfive registers' -- Facsimile reprint by Gale ECCO (Eighteenth Century Collections Online) on demand, 2013

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90 leaves in total; the first 47 largely taken up with tables of weights & measures, annuities, and interest rates, in an exemplary neat hand; and leaves 48-52 in two later hands shew a variety of tables. The final two leaves have a list of contents -- Inscribed 'J Dugmore, Swaffham, 1810'. John Dugmore was born around 1756. In a newspaper advertisement of October 1780 he describes himself as 'Surveyor of Land and Tithes' and states that he has fixed his residence at Swaffham, Norfolk. In 1792 he took out an insurance policy. In 1798 he and his wife Elizabeth (who was about 6 years younger) leased a house in Swaffham, with an adjoining cottage and outhouses and garden for 8 years, at a rent of £30 p.a. By 1807 he was described as 'gentleman' when he was appointed one of the commissioners under an Act of Parliament. Elizabeth died on 27 September 1843, aged 81, and John died a few months later on 11 February 1844, aged 87 - his will is available online from the National Archives.

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Duncan, J Matthews (1866). *Fecundity, fertility, sterility and allied topics.* [book]. - Edinburgh: 1866. [RKN: 1979]

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- East India Company** (1837). *Fund for the benefit of the widows and children of deceased elders, extra clerks, assistant elders, and others, in the company's home service*. [corporate document]. - London: Printed by J L Cox and Sons, 1837. - 28 pages. [RKN: 5907]
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Emerson, traveller, agriculturalist, and doctor, returned to America in 1820 having worked as ship's surgeon on a voyage to China. 'He settled in Philadelphia where a yellow fever epidemic gave him an opportunity for usefulness which he used so well that he was appointed attending physician to the City Dispensary. The Board of Health being without authority to deal with smallpox as it did with other contagious diseases, Dr Emerson turned his attention, when on the Board of Health, to necessary legislation concerning checking the disease. Statistics relative to smallpox are to be found in his article.' Dictionary of American Biography

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The Society was originally known as the Society for Equitable Assurances on Lives and Survivorships. In 1893 the official title of the office became the Equitable Life Assurance Society, following registration under the Companies Acts and the drawing up of the Memorandum and Articles of Association. -- Purchased and now owned by Institute of Actuaries, with kind support of donations from individual members of the Faculty of Actuaries and Institute of Actuaries, actuarial firms and overseas actuarial associations -- Individual manuscript items from the archive have their own records on this catalogue <https://www.actuaries.org.uk/documents/equitable-life-assurance-society-elas-archive-1762-1975-institute-actuaries-library-london>

Contents include: EL/1 CORPORATE RECORDS -- EL/1/1 Deeds of settlement and legal documents, 1762-1910 -- EL/1/2 Court of directors' minute books, 1762-1834 -- EL/1/3 Court of directors' records, 1765-1848 -- EL/1/4 General court of members' minute books, 1765-1849 -- EL/1/5 Committee papers, 1765-1769

EL/2 FINANCIAL & ACCOUNTING RECORDS -- EL/2/1 Audit records, 1872-1894 -- EL/2/2 Cash books, 1774-1817 -- EL/2/3 General ledgers, 1767-1900 -- EL/2/4 Receipts and cheques, 1767-[c.1830] -- EL/2/5 Valuation reports and memoranda, 1786-1930 -- EL/2/6 Mortgage records, 1788-1860

EL/3 LEGAL RECORDS -- EL/3/1 Litigation papers, 1798-1904

EL/4 POLICY RECORDS -- EL/4/1 Bonus records, 1825-c.1908 -- EL/4/2 Claims books and memoranda, 1806-1869 -- EL/4/3 Mortality research, 1762-1963 -- EL/4/4 Policy forms and related items, 1787-1909 -- EL/4/5 Policy registers, 1764-1838 -- EL/4/6 Premium receipts, 1763-1809 -- EL/4/7 Proposal forms, 1764-1838 -- EL/4/8 Prospectuses, 1764-c.1950

EL/5 PUBLICITY & MARKETING RECORDS -- EL/5/1 Accounts, reports and addresses (speeches), 1777-c.1950 -- EL/5/2 Photographs, 1900-1942, -- EL/5/3 Scrapbooks and promotional items, 1906-c.1950 -- EL/5/4 Subject / Research Files, 1762 -- 1975

EL/6 MANUSCRIPTS -- EL/6/1 *Manuscripts*, 1747 -- 1835 -- EL/6/1/1 Mathematical notebook, by Thomas Bayes: 1 volume, c.1747 -- EL/6/1/2a 'Tables', by James Dodson Sr.: 1 volume. c.1756 -- EL/6/1/3 'First lecture on insurances', by James Dodson Sr.: 1 volume. c.1756 -- EL/6/1/4 'First lecture on insurances', by James Dodson Sr.: 1 volume. 1756 -- EL/6/1/5 Book of letters from Richard Price to John Edwards, actuary: 1 volume. 1768-1771 -- EL/6/1/6a 'Observations on the proper method of keeping the accounts, and determining from year to year the state of the Society', by Richard Price: 1 volume, c. 1774-1776 -- EL/6/1/7 Tables of annual premiums and tables of survivorships, by William Morgan: 1 volume. c.1780 -- EL/6/1/8a 'Calculations of premiums' based on the Northampton mortality tables, by William Morgan: 1 volume, 1781 -- EL/6/1/9 Calculations of premiums based on the Northampton mortality tables, by William Morgan: 2 volumes, [1781] -- EL/6/1/10 'Table of premiums', by William Morgan: 1 volume, 1781 -- EL/6/1/11 'Yearly computation of expected deaths and of accounts showing the state of the Society', by William Morgan: 1 volume, 1826 -- EL/6/1/12 'Calculations', by Arthur Morgan: 1 volume, 1835 -- EL/6/1/13 Tables showing the progress of the London Annuity Society in its first 24 years (1765-1789), author unknown: 1 volume, 1789

London Metropolitan Archives holds the later archive of items dating 1803 to 1976: - <https://www.actuaries.org.uk/documents/equitable-life-assurance-society-elas-archive-1803-1976-guildhall-library-london>

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Paper disbound from Mémoires de l'Académie Royale des Sciences et Belles Lettres, tome XVI, pages 165-175 with other papers by M. Euler: -- Du Mouvement d'un corps solide quelconque lorsqu'il tourne autour d'un axe mobile, pages 176-227 + engraved plate; -- Probleme. Un corps étant attiré en raison réciproque quarrée des distances vers deux points fixes donnés, trouver les cas ou la courbe décrite par ce corps sera algébrique, résolu par M. Euler, pages 228-248.

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France (1770). *Lettres Patentes du Roi, qui ordonnent la conversion des Rentes de Tontines, en Rentes purement viagères, à compter du 1er Janvier 1770. Données à Marli le 5 juillet 1770. Registrées en la Chambre des Comptes le 17 Novembre suivant.* [pamphlet]. - Paris: Imprimerie Royale, 1770. - 32 pages. [RKN: 43479]

This Letters Patent (France, 1770) was acquired in a set with others of dates from 1763 to 1786 listed below: -- Arrest du Conseil d'Etat du Roy, du 24 Juin 1763. Et Lettres Patentes sur Icelui. Données à Versailles les dits jours & an, & Registrées en Parlement le 26 Juillet suivant. Qui accord à la Ville de Reims, une somme annuelle de quinze-mille livres pendant six années, & lui permet d'emprunter jusqu'à concurrence de la somme de deux cens quarante mille livres, pour les ouvrages à faire la nouvelle Place Royale. 11p. -- Arrest du Conseil d'Etat du Roi, qui nomme des Commissaires pour procéder à la fixations des Indemnités demandés par les Propriétaires des Rentes à trois & à quatre pour cent. Du 20 Février 1764. Extrait des Registres du Conseil d'Etat. 3p. -- Lettres Patentes du Roi, qui autorise les Ecclesiastiques & Gens de Main-Morte, Propriétaires des Fiefs, à acquérir les Droits d'Echange dans leurs Seigneuries directes seulement. Données à Versailles le 11 Juin 1764. 4p. -- Lettres Patentes du Roi, qui dispensent les Etrangers, ou ceux qui acquereront des dits Etrangers des rentes sur l'Hotel-de-Ville de Paris, de prendre des Lettres de ratification sur les transports de rentes perpetuelles; ordonnent que les Propriétaires de rentes renouvelleront tous les dix ans leurs procurations; accordent un nouveau delai d'un an pour faire rectifier les erreurs de noms, d'age ou de qualité qui ont pu se glisser dans les contrats. Données à Fontainebleau le 30 Octobre 1764. 4 p. -- Arrest de la Cour des Aydes. Rendu entre le sieur Geoffroy de Montjay, Receveur des Domaines de la Généralité de Paris, les sieurs Coquinot & Brillon de Jouy, Receveur des Consignations de la dite Cour, & le sieur Comte de Caraman, Adjudicataire de l'Hôtel d'Auvergne, faisant partie des biens de la succession des Demoiselles de Trente & de Flemingh, adjugée au Roi à titre d'aubaine. Qui juge que les Receveurs du Domaine sont en leur qualité, & au titre de leurs Offices, seuls dispositaires des deniers des successions adjudgées au Roi, & provenant de la vente des biens d'icelles, quell que soit le nombre des Créanciers opposans & la nature de leurs créances, encore les dits biens ayant été judiciairement vendus, qu'il s'agisse d'en dsistribuer le prix en Justice entre les dits Créanciers, & qu'il y ait sur cela instance de preference ou d'ordre. Reçoit en consequence le Receveur des Domaines opposant à la contrainte décernée par le Receveur des Consignations, contre l'Adjudicataire du dit Hôtel, déboute les dits Receveurs de leurs demandes à fin du dépôt dans leur caisse, tant du susdit prix, & de celui à provenir de la vente des autres immeubles des successions de Trente & Flemmingh, que des deniers provenans soit de la vente des meubles soit des arrerages des rentes, loyers & fermages, & de tous autres deniers mbiliers dépendans des dites successions, & les condamne en tous les dépens. Du 22 Mars 1765. Extrait des registres de la Cour des Aydes. 7p. -- Arrest du Conseil d'Etat du Roi, et Lettres Patentes sur Icelui. Registrées en la Chambres des Comptes. Qui ordonnent que les arrérages des Rentes à quatre pour cent, créés par l'Edit du mois d'Avril 1758, continueront d'être acquittés par les payeurs des Rentes de l'Hotel de Ville de Paris. Du 23 Mai 1765. Extrait des Registres du Conseil d'Etat. 3p. -- Arrest du Conseil d'Etat du Roi, et Lettres Patentes sur Icelui, registrées dans la Cour des Aides. Qui ordonnent que Julien Alaterre sera mis en possession de la régie & perception, pour le compte du Roi, des Droits réunis. Des 18 Mai & 26 Juin 1765. Extrait des Registres du Conseil d'Etat. 11p. -- Lettres Patentes du Roi, qui rapprochent les Payemens des Rentes sur l'Hotel-de-Ville de Paris, & les règlent à époques fixes, de semestre en semestre. Données à Versailles le 15 Aout 1784. Registrées en Parlement le 31 des mêmes mois & an. 4p. -- Lettres Patentes du Roi, concernant les Baux à Cens dans le resort de la Coutume de Saint-Quentin. Données à Versailles le 4 Mars 1786. Registrées en Parlement le vingt-un Mars mil sept cent quatre-vingt-six. [1786] 3p.

France (1783). *Sociétés d'Actions Survivancières, en faveur des enfans au-dessous de huit ans & des personnes âgées de plus de soixante; ouvertes avec l'agrément du Roi, par leurs altesses sérénissimes Monseigneur le Duc & Madame la Duchesse de Chartres.* [pamphlet]. - Chartres: De l'Imprimerie de D'Houry, 1783. - 7 pages. [RKN: 43934]

France (1852;1853). *Des sociétés de secours mutuels en France.* [pamphlet]. 1852;1853. [RKN: 9817]

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France (1873). *Statistique de la France. Résultats généraux du dénombrement de 1872.* [book]. - Paris: 1873. [RKN: 2856]

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France (c1828). *Naissances et décès, 1817-1828.* [pamphlet]. c1828. [RKN: 40643]

France. Académie Royale des Sciences (1788). *Projet d'une tontine perpetuelle, approuvé par l'Académie Royale des Sciences. Adressé à nos seigneurs les Etats-Généraux.* [book]. - Paris: 1788. - 30 pages. [RKN: 20290]

France. Administrateurs de l'Engistrement et des Domaines Nationaux (1791). *Tontine nationale: Un Décret de la Convention, du 26 du mois dernier, établit une Tontine nationale, divisée en Actions, dont la recette est confiée aux Receveurs de notre Administration.* - Circulaire No. 801. [pamphlet]. - Paris: 1791. - 1 vols. - [5] pages. [RKN: 43747]

France. Agence Générale (1821). *Placements voyageurs. Extrait des statuts de l'Agence Generale 1820-21.* [pamphlet]. 1821. [RKN: 40640]

France. Assemblée National. Comité des Pensions (1790). *Livre Rouge.* [book]. - Paris: chez Baudoin, Imprimeur Nationale, 1790. - 39 pages. [RKN: 43740]

'Livre Rouge' prepared by Assemblée Nationale of revolutionary France, 'is a Register of spending' listing pension and other payments to French nobles and aristocrats paid at the order of the king in the reign of Louis XV, dating from 1774 to 1789. -- Contemporary manuscript annotations recording 'protestations' from names appear before title page.

France. Caisse de Placemens en Viager (1802). *Caisse de Placemens en Viager, établie à Paris, rue Saint-Méry, n° 440, et rue du Renard Saint-Méry, n° 435. Instituée à Paris le 1er Messidor An X (1802)*. [pamphlet]. - Paris: De l'Imprimerie De Dentu, 1802. - 2 brochures vols. - 83 (1-32; [33]-83), [1] pages. [RKN: 43213]

'Il ne faut pas perdre de vue la différence qui existe entre une tontine et notre caisse. Dans une tontine, tout est éventuel; chez nous tout est prévu: dans une tontine, on doit attendre des recensemens, des comptes annuels et des distributions au marc la livre; chez nous tout compte est superflu. On repose sur des certitudes que rien peut détruire; constatez votre vie; votre à relatif est connu, il indique seul la rente qui vous est due et qui vous est payée sans formalités et sans retard. Note de la page 11' - t.p. -- Two brochures with continuing pagination numbering. -- Acquired with some pages uncut - pages cut to allow bibliographic description

France. Caisse Générale d'Épargne et de Retraite (1897). *Compte rendu des opérations et de la situation de la Caisse Générale d'Épargne et de Retraite, instituée par la loi du 16 Mars 1865 sous la garantie de l'État*. [pamphlet]. - Brussels: Imprimerie Bruylant-Christophe, 1897. [RKN: 71343]

France. Commission Supérieure d'Encouragement et de Surveillance des Sociétés de Secours Mutuels (1852). *Rapport à l'Empereur sur la situation des sociétés de secours mutuels présenté par la Commission Supérieure d'Encouragement et de Surveillance des Sociétés de Secours Mutuels*. [pamphlet]. 1852. [RKN: 40158]

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France. Commission Supérieure de la Caisse Nationale des Retraites pour la Vieillesse (1898). *Rapport de la Commission Supérieure de la Caisse Nationale des Retraites pour la Vieillesse...année 1897*. [pamphlet]. - Paris: Imprimerie Nationale, 1898. - 131 pages. [RKN: 71348]

France. Hospices Civils de Paris (1802). *Tableaux à joindre au Rapport sur les Hospices Civils de Paris. Fructidor An XI*. [report]. - Paris: De l'Imprimerie des Hospices Civils, 1802. - [50] pages. [RKN: 43476]

Dated 'An XI' of France's Revolution period calendar, 1802 -- Library holds only this appendix volume of tables, not the full Rapport. -- Pages of Tables are unnumbered instead referencing the relevant page number in the full 'Rapport'. -- Survey of outcomes for patients, especially mothers and infants, at Hospices in Paris, during the era of the French Revolution

[France. Life Offices] (1889). *Tables de mortalité RF et AF*. [book]. 1889. [RKN: 2965]

Mortality experience of four French life offices for Annuitants and Assured

France. Loterie Royale (1700). *Edit du Roy portant creation de cinq cens mille livres de rentes viagères pour la Lotterie Royale donnée à Versaille au mois de May 1700. Registré en Parlement*. [pamphlet]. - Paris: De l'Imprimerie de Frédéric Léonard, 1700. - 8 pages. [RKN: 43475]

Prizes of life annuities offered to incentivise purchase of Loterie Royale tickets in France, 1700. No anticipated estimate of how long life annuities might be payable for the life of those winning the prizes is apparent in the document.

France. Louis XV (1733). *Edit du Roy portant création de rentes viagères en forme de Tontine, donné à Fontainebleau au mois de novembre 1733*. [pamphlet]. - Paris: Imprimerie de Pierre Simon, imprimeur du Parlement, 1733. - 4 pages. [RKN: 43769]

Purchased with related 'Edit du Roy portant création de deux Offices de Payeurs & de deux Offices de Contrôleurs des Rentes viagère en forme de Tontine, donné à Fontainebleau au mois de novembre 17233, enregistré en Parlement le 2 décembre 1733'

France. Louis XV (1733). *Edit du Roy portant création de deux Offices de Payeurs & de deux Offices de Contrôleurs des Rentes viagère en forme de Tontine, donné à Fontainebleau au mois de novembre 1733, enregistré en Parlement le 2 décembre 1733*. [pamphlet]. - Paris: Imprimerie de Pierre Simon, imprimeur du Parlement, 1733. - 4 pages. [RKN: 43770]

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France. Louis XV (1793). *Avis aux Sociétés Populaires de la République: Tontine des Sans Culottes: Extrait de règlement de cette Tontine, établie sous la surveillance des Autorités constituées, place des Victoires, No. 17*. [pamphlet]. - Paris: Imprimerie de la Tontine des Sans Culottes, 1793. - 2 pages. [RKN: 82501]

France. Ministère de l'Agriculture et du Commerce (1850). *Caisse de retraites et pensions viagères pour la vieillesse*. [pamphlet]. 1850. [RKN: 40841]

France. Ministre de l'Agriculture et du Commerce (1851). *Caisse de Retraites pour la Vieillesse sous la garantie de l'État. Tarif des retraites ou rentes viagères*. [book]. - Paris: 1851. [RKN: 4542]

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[France] (1898). *French life premium rates 1898*. [pamphlets collection (bound)]. 1898. [RKN: 62685]

Franklin Institute (1857). *Report on the twenty-fifth exhibition of American manufacturers, together with a catalogue of the articles deposited previous to November 10, 1856, and the address delivered at the close of the exhibition by Henry D Gilpin*. [corporate document]. - Philadelphia PA (USA): 1857. [RKN: 40785]

Franklin, William; Cleveland, Elisha L (1856). *A practical and easy method for parishes to provide for pastors and their families in the decline of life, or in the day of adversity*. [pamphlet]. - New Haven CT (USA): 1856. - 13 pages. [RKN: 11167]

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- Fraser, W** (1824). *Statement submitted for the consideration of the Society of Journeymen Printers in Edinburgh*. [pamphlet]. 1824. - 29 pages. [RKN: 70687]
- [Fraser, W]** (1824). *[Statement to the] Edinburgh Compositors' Society*. [pamphlet]. 1824. - 4 pages. [RKN: 71483]
- Fraser, W** (1825). *Remarks on the constitution and errors of friendly societies*. [pamphlet]. - Edinburgh: Oliver and Boyd, 1825. [RKN: 70668]
- Fraser, W** (1827). *Case of the forfeited members of friendly societies*. [pamphlet]. 1827. - 4 pages. [RKN: 70689]
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- Fraser, W** (1827). *Case of the forfeited members of friendly societies*. [pamphlet]. 1827. - 8 pages. [RKN: 62633]
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- Free Church of Scotland Widows and Orphans Fund** (1846). *The constitution and rules and regulations of the widows' fund of the Free Church of Scotland comprehending "the widows' scheme" and "orphans' scheme"*. [corporate document]. - Edinburgh: 1846. - 14 pages. [RKN: 70765]
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- Freeman, Harry** (1899-1903). *The use of symbols of operation, in the summation of algebraic series*. [pamphlet]. 1899-1903. [RKN: 42029]
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- Friedman, S** (1866). *Über die Sterblichkeit der Kinder im ersten Lebensjahre und die Mittel zu ihrer Verringerung*. [pamphlet]. - Munich: 1866. [RKN: 40471]
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- Friendly and Benefit Building Societies Commission** (1874). *Reports of the Assistant Commissioners Scotland, with Cumberland, Durham, Northumberland, and Westmoreland.* [pamphlet]. - London: 1874. [RKN: 42186]
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- Friendly and Benefit Building Societies' Commission; Young, George** (1874). *Reports of the Assistant Commissioners Southern and Eastern Counties of England.* [corporate document]. 1874. [RKN: 62908]
- [Friendly Societies]** (1843). *Instructions for the establishment of Friendly Societies, with a form of rules and tables applicable thereto.* [corporate document]. - London: 1843. [RKN: 40741]
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- Friendly Society for the Hundreds of Hartcliffe, Bedminster and Portbury** (1831). *Rules and tables of the Friendly Society for the hundreds of Hartcliffe, Bedminster and Portbury.* [corporate document]. John Taylor [printer], 1831. [RKN: 70703]
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- Friendly Society of Dissenting Ministers in Scotland; Meikle, James** (1875). *Report on the affairs of the Friendly Society of Dissenting Ministers in Scotland as at 1st June 1874.* [corporate document]. - Edinburgh: 1875. - 16 pages. [RKN: 70769]
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- Malynes (Malines), Gerard** (1686;1981 reprint). *Consuetudo, vel, Lex Mercatoria: or, the Ancient Law-Merchant: Divided into three parts, according to the essential parts of Traffick: Necessary for all statesmen, judges, magistrates, temporal and civil lawyers, mint-men, merchants, mariners, and all others negotiating in all places of the world*. - 3rd ed. [facsimile reprint]. - London; Abingdon: Printed for J Redmayne. Professional Books, 1686;1981 reprint. - 2 vols. [RKN: 20199]
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Title translates as: [=The Great Mirror of Folly, showing the rise, progress and fall of the trade in stocks, Bubbles and Wind, that took place in France, England and the Netherlands in the Year MDCCXX. Being a compilation of all the Charters and Proposals of the incorporated companies of insurance, navigation, commerce, etc. in the Netherlands, both the ones that came into existence as well as those that were rejected by the States [legislatures] of some of the Provinces along with artistic prints, comedies and poems, published by the various amateurs with a view to do injury to this detestable and fraudulent commerce, by which in this year various families and persons of high and low standing have been ruined, and lost their possessions, which impeded legitimate trade in France as well as England and the Netherlands] -- Other editions published have varying numbers of additional plates
- Netherlands. Staten Generael der Vereenighde Nederlanden** (1665). *Publicatie. De Staten Generael der Vereenighde Nederlanden: Allen den genen die desen sullen sien ofte hoozen lesen...* [poster]. - In 's Graven-Hage: By Hillebrandt van Wouw, 1665. [RKN: 43069]
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- Price, Richard; Laudable Society for the Benefit of Widows** (1774). *Calculations and observations relating to the scheme of the Laudable Society for the Benefit of Widows. A true state of the accounts of the Laudable Society for the Benefit of Widows from Michaelmas, 1773, to Michaelmas, 1794, on the following suppositions [...]: [with:] Reasons for dissolving the Laudable Society: [with:] Reasons against dissolving the Laudable Society for the Benefit of Widows.* [corporate document]. - London: 1774. - 8; 3; 3; 3 pages. [RKN: 43218]
Four folio pamphlets, including two versions of 'Reasons for dissolving the Laudable Society'. -- Calculations and observations relating to the scheme of the Laudable Society for the Benefit of Widows. A true state of the accounts of the Laudable Society for the Benefit of Widows [...] 'by R. Price, Newington Green, March 22nd, 1774' - p.8 -- 'Reasons for dissolving the Laudable Society' exists in two versions, one longer with variant text showing quotations of 'Benj. Webb'.
- Price, Richard** (1774-1775). '*Observations on the proper method of keeping the accounts, and determining from year to year the state of the Society*'. [manuscript]. 1774-1775. - 1 vols. [RKN: 44855]
Manuscript book of work of Richard Price copied by a contemporary hand presented to the Society for Equitable Assurances on Lives and Survivorships, December 1774 to January 1775, as featured among the Archive of the Equitable Life Assurance Society acquired by the Institute of Actuaries in November 2006. -- Individual manuscript has reference EL/6/1/6 in Archive of the Equitable Life Assurance Society. -- Reproduced in Angus S Macdonald et al. (2010). *Chance and Assurance: manuscripts of the work of Thomas Bayes, James Dodson, Richard Price and William Morgan in the Archive of the Equitable Life Assurance Society* [DVD digital presentation, Institute of Actuaries, 2010]
- Price, Richard** (1775). *Short and easy Theorems for finding, in all cases, the differences between the Values of Annuities payable yearly, and of the same Annuities payable half-yearly, quarterly, or momentarily: By the Rev. Richard Price, D.D., F.R.S. In a letter to Sir John Pringle, Bart. P.R.S.* [journal article]. London, 1775. [RKN: 43083]
Philosophical Transactions [of the Royal Society] (1775) **66**: 109-128.
- Price, Richard** (1776). *Observation on the Nature of Civil Liberty, the Principles of Government, and the Justice and Policy of the War with America.: To which are added an Appendix and Postscript, containing a State of the National Debt, an Estimate of the Money drawn from the Public by the Taxes, and an Account of the National Income and Expenditure since the last War.* - the Sixth edition ed. [book]. - London: Printed for T Cadell, 1776. - [4], 132 pages. [RKN: 43112]
Equitable Life Assurance Society archive reference EL912B

Price, Richard; Arthur Worsop, John (1778). *'Copy of a Petition for an Act to enable John Arthur Worsop to settle a Jointure upon any Woman or Women he may hereafter marry on the terms therein mentioned' [together with]: [Letter from Richard Price, dated 28 February 1778, and separate calculations related to the petition].* [manuscript]. 1778. - 5 (petition); 2 (letter); [4] p. (calculations) pages. [RKN: 43195]

The petitioner, John Arthur, was from Doncaster; Richard Price writes from his address in Stoke Newington, London. Outside pages to petition indicates addressee: 'Shirton, Gray's Inn' -- The case had two aspects, together making it complicated enough to require an Act of Parliament. John Arthur had to change his surname to inherit his relative's estate; and he was obliged to set aside a sum of money out of his inheritance sufficient to make appropriate & specified payments to anyone whom he might marry and whom he might pre-decease. To this end, no less "an able Calculator" than Richard Price was engaged by the petitioner "to ascertain what particular sums of money should be set apart as a fund". By 1778, Price was already celebrated; By engaging his services, Worsop was doing his best to ensure the success of his petition. Price's calculations and explanations run to some 1000 words; they are based on the principles of Abraham De Moivre and Halley, and are formidably complex but he comes up with answers. His letter adds something which he had overlooked -- 'I could not make myself easy without informing you of this and hope it will not come too late to be inserted in the Bill...' Together, the petition with Price's calculations, and his letter, offers a most useful insight into actuarial science and its practical application when it was still in its earliest stages - Alex Fotheringham bookseller

Price, Richard (1780). *An essay on the population of England, from the Revolution to the present time: With an Appendix containing Remarks on the Account of the Population, Trade, and Resources of the Kingdom, in Mr Eden's Letters to Lord Carlisle.* - Second edition, with corrections and additions ed. [book]. printed for T Cadell, 1780. - vi, 88 pages. [RKN: 43679]

Second separate edition, with some alterations.

Price, Richard (1783). *Observations on Reversionary Payments; on Schemes for providing Annuities for Widows, and for Persons in Old Age.* - 4th ed. [book]. - London: Printed for T Cadell, 1783. - 2 vols. [RKN: 41314]

4th edition enlarged in 2 volumes, 1783 -- Library holds 1st (1771), 2nd (1772), 3rd (1773), 4th (1783), 5th (1792), 6th (1803) and 7th (1812) editions

Price, Richard (1785). *Observations on the importance of the American Revolution' and the Means of making it a Benefit to the World: To which is added, A Letter from M. Turgot, late Comptroller-General of the Finances of France:: With An Appendix, containing a Translation of the Will of M. Fortuné Ricard, lately published in France: / By Richard Price, D.D. L.L.D..* [book]. - London: Printed for T Cadell, 1785. - viii, 156 pages. [RKN: 43180]

Price, Richard (1787). *Sermons on the Christian Doctrine as received by the different denominations of Christians.* [book]. - London: Printed for T Cadell, 1787. - 4, vii, 368 pages. [RKN: 43113]

Equitable Life Assurance Society archive reference EL922B

Price, Richard; Morgan, William (1792). *Observations on reversionary payments.* - 5th ed. [book]. - London: 1792. [RKN: 41315]

5th edition in 2 volumes, with additions by W Morgan, 1792 -- Institute Library holds 1st (1771), 2nd (1772), 3rd (1773), 4th (1783), 5th (1792), 6th (1803) and 7th (1812) editions

Price, Richard; Morgan, William (1803). *Observations on reversionary payments.* - Sixth ed. [book]. - London: 1803. [RKN: 41316]

6th edition in 2 volumes, with additions by W Morgan, 1803 -- Institute Library holds 1st (1771), 2nd (1772), 3rd (1773), 4th (1783), 5th (1792), 6th (1803) and 7th (1812) editions

Price, Richard; Morgan, William (1812). *Observations on reversionary payments.* - Seventh ed. [book]. - London: 1812. - 2 vols. [RKN: 41317]

7th edition in 2 volumes, with additions by W Morgan, 1812 -- Institute Library holds 1st (1771), 2nd (1772), 3rd (1773), 4th (1783), 5th (1792), 6th (1803) and 7th (1812) editions -- Institute: Second copy of Volume 1 of the 1812 edition donated by College of Insurance, 11 January 1989. -- Institute: Second copy can be sold or disposed of at an appropriate time -- Featured in 'Some Landmarks in Actuarial Science', exhibition, November 1985

Price, Richard; Morgan, William (1816;1815). *Sermons on Various Subjects by the late Richard Price, DD FRS [bound with]: Memoirs of the Life of the Rev. Richard Price DD FRS by William Morgan.* [book]. - London: Printed for Longman, Hurst, Rees, Orme and Brown. Printed for R Hunter and R Rees, 1816;1815. - v, 404; viii, 189 pages. [RKN: 43118]

Equitable Life Assurance Society archive reference EL933B

Price, Richard (1903 reprint). *Letters to and from Richard Price DD, FRS, 1767-1790.* [manuscript reprint]. - Cambridge: John Wilson. Cambridge University Press, 1903 reprint. - 119 pages. [RKN: 43129]

Reprinted from the Proceedings of the Massachusetts Historical Society, May 1903 -- Equitable Life Assurance Society archive reference EL964B

Price, Richard; Babb, James T (editor) (1962). *The Reverend Doctor Richard Price 1723-1791: Letters by, to and about him in the Collection of Yale University.* [book]. - New Haven CT (USA): Yale University, 1962. - [71] pages. [RKN: 43130]

Equitable Life Assurance Society archive reference EL968B -- "This is only a selection. There are many others, including, in the Boswell Papers, a forty-four page unpublished manuscript "A letter to Dr Price containing remarks upon his pamphlet, concerning the great happiness of America, rising from her late independence", by James Wilson, a signer of the Declaration of Independence" - title page. -- "Presented to John Henry Bevan, CB MC, President, Equitable Life Assurance Society on the occasion of the twohundredth anniversary of that company by his friend, the Librarian of Yale University James T Babb." - title page -- Facsimile reproductions of letters of Richard Price and contemporaries.

[Price, Richard]; [London Annuity Society] (c1789). *Tables showing the progress of the London Annuity Society in its first 24 years (1765-1789).* [manuscript]. c1789. - 1 vols. [RKN: 43630]

Manuscript on parchment sheets bound into book thought to be the work of Richard Price as featured among the Archive of the Equitable Life Assurance Society acquired by the Institute of Actuaries in November 2006. -- Individual manuscript has reference EL/6/1/13 in Archive of the Equitable Life Assurance Society.

[Priestley, Joseph]; [Maseres, Francis] (1787). *An account of a Society, for encouraging the industrious poor. With a table for their use: To which are prefixed, some considerations on the state of the poor in general.* [book]. - Birmingham: Printed by Pearson and Rollason, 1787. - 23, 31 pages. [RKN: 43214]

The author, Joseph Priestley, has been attributed, and is not identified in this text -- Baron Francis Maseres is identified as the originator of A Table showing the payment due (reckoning interest at 4½ per cent) for a life annuity of one pound of ten shillings, payable quarterly. To commence at any age from 35 to 75. -- Table presents for each age of purchaser from Age 14¾ to 15½ to Age 72¾ to 73½

Primatt, Stephen (1680). *The city and country purchaser and builder.* [book]. 1680. [RKN: 20000]
Folding leaf is missing from p.146, otherwise complete

Probyn, Leslie (1892). *Old age pension A lecture.* [pamphlet]. - Staines: 1892. [RKN: 41962]
Collected papers: Papers on British social insurance 1889-1897

Proceedings at the first annual general meeting of contributors to the Scottish Provident Institution, held at Edinburgh, February 20 1839. [pamphlet]. - Edinburgh: Printed by W Oliphant, Jun & Co, 1839. - 31 pages. [RKN: 71497]

Proceedings of the nineteenth annual meeting of the Fire Underwriters' Association of the Pacific. [pamphlet]. The Coast Printing Company, 1895. - 155 (+ 1 street map) pages. [RKN: 71195]

Proctor, Richard A (1887). *Chance and luck: a discussion of the laws of luck, coincidences, wagers, lotteries, and the fallacies of gambling; with notes on poker and martingales.* - 2nd ed. [book]. - London: Longmans, Green, 1887. - 263 pages. [RKN: 1599]
Library holds 2nd (1887) and 3rd (1889) editions

Proctor, Richard A (1889). *Chance and luck: a discussion of the laws of luck, coincidences, wagers, lotteries, and the fallacies of gambling; with notes on poker and martingales.* - 3rd ed. [book]. - London: Longmans, Green, 1889. - 263 pages. [RKN: 41587]
Library holds 2nd (1886) and 3rd (1889) editions

Professional Life Assurance Company (1850). *Prospectus, annual reports, tables etc. of the Professional Life Assurance Company, admitting on equal terms persons of every class and degree to all its advantages.* [commercial pamphlet]. - London: Printed by John Teulon, 1850. - 190 pages. [RKN: 71062]

Professional Life Assurance Company; Baylis, Edward (1853). *Reply of the Professional Life Assurance Company to the attacks of its assailants; with remarks illustrative and explanatory of the new system of life assurance.* - 4th ed. [pamphlet]. - London: 1853. [RKN: 8162]

Professional Life Assurance Company (1853). *Opinions of the press on the reply of the Professional Life Assurance Company to the attacks of its assailants.* [corporate document]. - London: Printed by John Teulon, 1853. - 216 pages. [RKN: 71060]

Progression, interpolation, interest, annuities-certain and probability. [book]. 1892. [RKN: 4334]
Title page missing, apparently issued by an American college. Date on fly leaf: 1892

Promoter Life Assurance and Annuity Company (n.d.). [*Prospectus*]. [commercial pamphlet]. n.d.. [RKN: 41262]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

[*Property and income tax pamphlets*]. [pamphlets collection (bound)]. 1851-1852. [RKN: 7021]

Prospectus of a plan for establishing in Scotland a general fund, for securing provision to widows, sisters &c, and insuring capital sums on lives, to be called the Scottish Widows' Fund and Equitable Assurance Society.: Specimen of the tables proposed to be adopted [commercial pamphlet]. - Edinburgh: Thomas Allan and Company, 1812. [RKN: 71558]

Bound in a volume reading 'The Scottish Widows' Fund' on spine. -- Contains list of Patrons, Directors, etc and report of first meeting on 25 March 1812.

Prospectuses of life assurance offices 1888. [commercial pamphlet]. 1887-1888. [RKN: 71557]
Bound volume of life office prospectuses collected for the years 1887-1888.

[*Prospectuses, reports etc.*]. [commercial pamphlet]. 1814-1845. [RKN: 71534]

Protector Life Association (n.d.). [*Prospectus*]. [commercial pamphlet]. n.d.. [RKN: 41263]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Protestant Dissenters' and General Life and Fire Assurance Company (n.d.). [*Prospectus*]. [commercial pamphlet]. n.d.. [RKN: 41264]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)

Provident Life Office (1806). *Deed of constitution and bye-laws of the Provident Life Office, dated 17th October 1806.* [pamphlet]. - London: C Roworth and Sons [printer], 1871. - v, 61 pages. [RKN: 71258]

- [Provident Fund]** *Remarks on a proposed scheme for the conversion of the assessments levied on public salaries, under Act 4 & 5 Will., Cap. 24 into a "Provident Fund" for the support of the widows and orphans of civil servants of the crown.* [corporate document]. - London: [RKN: 40103]
- Provident Life and Trust Company of Philadelphia; Wing, A S** (1886). *Mortality experience of the Provident Life and Trust Company of Philadelphia, 1866 to 1885.* [corporate document]. - Philadelphia PA (USA): 1886. [RKN: 2887]
- Provident Life Office** (1833). *Report of the second trial in the case Duckett v. Williams; being an action brought by the Provident Life Office, for the recovery of sundry annual premiums paid to the Hope Assurance Company....* [corporate document]. - London: James Ridgway, 1833. - 78 pages. [RKN: 71334]
- Provident Life Office** (1835). *[Prospectus]*. [commercial pamphlet]. 1835. [RKN: 41265]
Commercial pamphlet collected in volume of prospectuses of assurance societies by the Clerical, Medical and General Life Assurance Society (Library ref. 8178)
- Prudential Assurance Co Ltd** (1867). *Appendix to the eighteenth annual report submitted to the annual meeting on the 26th of April 1867 containing the experience of the company in the industrial for the three years 1864, 1865 and 1866.* [corporate document]. - London: 1867. [RKN: 8193]
- Prudential Assurance Co Ltd** (1880). *History of the Prudential Assurance Company.* [BOOK]. - London: Holborn Bars, 1880. - 81 pages. [RKN: 70414]
- Prudential Assurance Company; Harben, H** (1871). *Mortality experience of the Prudential Assurance Company in the Industrial Branch for the years 1867 to 1870, with observations.* [corporate document]. - London: 1871. [RKN: 2905]
- [Prussian Widows Fund]** (1796). *Patent und Reglement für die Königlich Preussische allgemeine Wittwen-Verpflegungs-Anstalt. De Dato Berlin, den 28. December 1775. Von neuem abgedruckt und mit den Publicatis vom 1sten July 1783 und 25 May 1796 vermehret, im Jahre 1796.* [corporate document]. 1796. [RKN: 42842]
- Pryde, James** (1857). *Tables for calculating interest on a new method.* [book]. - Edinburgh: 1857. [RKN: 4378]
- Pryde, James (ed)** (1886;1892;1912). *Mathematical tables consisting of logarithms of numbers 1 to 108000. Trigonometrical, nautical, and other tables.* [book]. - London; Edinburgh: W & R Chambers, Ltd., 1886;1892;1912. [RKN: 1431]
- Purdon, H S** (1872). *Brief remarks upon medical examination for life assurance.* [pamphlet]. - Belfast: W & G Baird [printer], 1872. - 8 pages. [RKN: 71037]
- Purdy, William** (1876). *The city life: its trade and finance.* [book]. - London: Sampson Low, Marston, Searle & Rivington, 1876. - xii,243,[1],[24] pages. [RKN: 11009]
- Pye-Smith, Philip H** (1897). *Life assurance: a lecture delivered at Guy's Hospital.* [article offprint]. - London: Imperial Life Office, 1897. - 16 pages. [RKN: 70223]
Reprinted from Guy's Hospital Gazette Nov 20th 1897
- Queen Insurance Company** (1863). *[Prospectus]*. [commercial pamphlet]. 1863. [RKN: 41180]
- Queen Insurance Company** (1867). *Address by the ex-London directors of the Queen Insurance Company to the shareholders.* [corporate document]. 1867. - 15 pages. [RKN: 71298]
- Queensland [Life Insurance Act 1879]*. [pamphlet]. 1879. [RKN: 71171]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1835). *Sur l'homme et le developpement de ses facultés, ou essai de physique sociale.* [book]. - Paris: Bachelier, 1835. - 2 vols. - 327; viii, 327 pages. [RKN: 2574]
Library holds facsimile reprint of 1842 English translation: A treatise on man and the development of his faculties. London, 1842 [RKN 4038; also 9298]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1838). *De l'influence des saisons sur la mortalité aux differens âges dans la Belgique....* [photocopy]. - Bruxelles: M. Hayez, Imprimeur de l'Academie Royale, 1838. [RKN: 9297]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874; Beamish, Richard (trans)** (1839;1849). *Popular instructions on the calculation of probabilities.* [book]. - London: 1839;1849. [RKN: 1668]
Institute: We also have the 1853 edition in French (RKN:1669)
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1842). *A treatise on man and the development of his faculties.* [pamphlet]. - Edinburgh: William and Robert Chambers, 1842. - 126 (+ 7 plates) pages. [RKN: 71424]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1844). *Recherches statistiques.* [book]. - Brussels: 1844. [RKN: 2573]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1846). *Lettres sur la théorie des probabilités, appliquée aux sciences morales et politiques.* [book]. - Brussels: M Hayez, 1846. - iv,450 pages. [RKN: 1667]
For English translation, see Quetelet, A: Letters...etc. London 1849 [RKN:1666]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1849). *Nouvelles tables de mortalité pour la Belgique.* [pamphlet]. - Brussels: 1849. [RKN: 41050]

- Quetelet, Lambert-Adolphe-Jacques, 1796-1874; Downes, Olinthus G (tr)** (1849). *Letters addressed to the Grand Duke of Saxe Coburg and Gotha, on the theory of probabilities, as applied to the moral and political sciences.* [book]. - London: 1849. [RKN: 1666]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1850). *Nouvelles tables de population pour la Belgique.* [pamphlet]. - Brussels: 1850. [RKN: 41051]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1853). *Theorie des probabilités.* [book]. - Brussels: 1853. [RKN: 1669]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1854). *Sur les tables de mortalité et spécialement sur les tables de mortalité de la Belgique.* [pamphlet]. - Paris: 1854. [RKN: 40819]
- Quetelet, Lambert-Adolphe-Jacques, 1796-1874** (1872). *Tables de mortalité et leur développement.* [pamphlet]. - Brussels: F Hayez, 1872. - 39 pages. [RKN: 71346]
- Quiquet, Albert** (1893). *Aperçu historique sur les formules d'interpolation des tables de survie et de mortalité.* - 2nd ed. [book]. - Paris: Warnier, 1893. [RKN: 70407]
Bound with same author's: Representation algebrique des tables de survie: generalisation des lois de Gompertz, de Makeham etc.(1893)
- Quiquet, Albert** (1893-1931). *Oeuvres Diverses, volume 2.* [book]. 1893-1931. [RKN: 249]
- Raedell, Carl** (1857). *Vollständige Anweisung die Lebensfähigkeit von Versicherungs-Anstalten in Bezug auf das menschliche Leben und Sterben zu untersuchen.* [book]. - Berlin: Otto Kante, 1857. - xiv,425 pages. [RKN: 4476]
Also bound in Tracts volume 31
- Raedell, Carl** (1857). *Vollständige Anweisung die Lebensfähigkeit von Versicherungs-Anstalten in Bezug auf das menschliche Leben und sterben zu untersuchen.* [pamphlet]. - Berlin: 1857. [RKN: 40481]
- Railway Benevolent Institution** (1871). *Report of the proceedings at the annual dinner, held May 10th 1871 and at the thirteenth annual general meeting held at the offices of the Great Northern Railway Company, King's Cross, Monday June 19th 1871.* [pamphlet]. 1871. - 104 (+ 3 sheets) pages. [RKN: 70914]
Bound to the back of this pamphlet are three other items: (1) a list of cases of the Railway Benevolent Institution(RBI); (2) minutes of a meeting of the RBI held in 1872; and (3) an advertisement for the RBI
- Railway Guards Universal Friendly Society; Neison, Francis Gustavius Paulus, Sr** (1880). *Report on the Railway Guards' Universal Friendly Society.* [corporate document]. - London: M'Corquodale & Co, 1880. - 27 pages. [RKN: 71020]
- Railway Passengers Assurance Company** (1860). *Instructions to agents of the Railway Passengers Assurance Company for insuring against accidents of all kinds, or against railway accidents exclusively.* [corporate document]. - London: Railway Passengers Assurance Company Office, 1860. - 36 pages. [RKN: 43204]
- Raleigh, S** (1863). *On some leading points in the practical finance of life assurance. Read in the Association for the Promotion of Social Science, October 13 1863..* [pamphlet]. - Edinburgh: 1863. [RKN: 40214]
- Raleigh, S; Morgan, Arthur; Equitable Life Assurance Society; Scottish Widows' Fund and Life Assurance Society** (1865). *Correspondence between Arthur Morgan of the Equitable Assurance Society and Samuel Raleigh of the Scottish Widows' Fund and Life Assurance Society.* [corporate document]. - Edinburgh: 1865. [RKN: 5125]
- Raleigh, S** (1870). *Remarks on Mr Stephen Cave's bill "To amend the law relating to life assurance companies", and the principles of legislation applicable to these institutions. Read before the Scottish Association for promoting amendment of the law, 28th March 1870.* [pamphlet]. - Edinburgh: 1870. [RKN: 40233]
- Raleigh, Samuel** (1863-1896). *Address to the Actuarial Society of Edinburgh at their opening session.* [pamphlet]. - Edinburgh: 1863-1896. [RKN: 40631]
Faculty also holds copy bound within volume entitled: Actuarial Society Presidential Addresses 1863-96
- Ramazzini, Bernardino; Hoffman, Frederick L** (1750). *Health preserved, in two treatises: I. On the diseases of artificers, which by their particular callings they are most liable to. With the method of avoiding them, and their cure. By Bern. Ramazini.: II. On those distempers, which arise from particular climates, situations and methods of life. With directions for the choice of a healthy air, soil and water. By Frederick Hoffman.* - 2nd English ed. [book]. John Whiston, 1750. - xvi, 332 pages. [RKN: 11137]
- Ramchundra, Y** (1859). *A treatise on problems of maxima and minima, solved by algebra.* [book]. - London: William H Allen & Co, 1859. [RKN: 1015]
Under the superintendence of A De Morgan
- Rance, T G** (1852). *Tables of compound interest for every ¼ per cent from ¼ to 10 per cent and for every year from 1 to 100 years.* - 1st ed. [book]. - London: 1852. [RKN: 4417]
Library holds 1st (1852) and 2nd (1876) editions
- Rance, T G** (1876). *Tables of compound interest for every ¼ per cent from ¼ to 10 per cent and for every year from 1 to 100 years.* - 2nd ed. [book]. - London: 1876. [RKN: 41318]
Library holds 1st (1852) and 2nd (1876) editions -- Originally entered under 4417

Rankin, Robert (1830). *A familiar treatise on life assurances and annuities, comprising a historical sketch of the science and of life assurance offices, with observations on the duration of human life, and other objects of interest connected with the subject, to which are appended original tables of the probabilities and expectations of life in the City of Bristol, etc..* [pamphlet]. - London; Bristol: Simpkin & Marshall. William Brown, 1830. - xvi, 99 pages. [RKN: 40829]

Ratcliffe, Henry (1850;1862). *Observations on the rate of mortality and sickness existing amongst friendly societies: particularised for various trades, occupations and localities, with a series of tables shewing the value of annuities, sick gift, assurance for death and contributions to be paid equivalent thereto: calculated from the experience of the members composing the Manchester Unity of the Independent Order of Odd Fellows.* [book]. - Manchester (1850 edition); Colchester (1862 edition): 1850;1862. [RKN: 6165]
1850 edition published Manchester; 1862 edition, Colchester

Rates of extra premium for foreign climates, agreed to be adopted by all thr life assurance offices of Scotland (1840). [pamphlet]. 1840. - 4 pages. [RKN: 62646]

Rathbone, T W (1854). *Comparative statement of the different plans of decimal accounts and coinage.* [pamphlet]. - London: 1854. [RKN: 40141]

Rathbone, Theodore W (1854). *An examination of the report and evidence of the Committee of the House of Commons on Decimal Coinage, with reference to a simpler, sounder, and more comprehensive mode of proceeding.* - 3rd ed. [pamphlet]. - London: 1854. [RKN: 40137]

Rawlinson, Robert (1845). *Statements on railway contracts and railway labourers..* [pamphlet]. - Manchester: 1845. [RKN: 40802]

Reade, A Arthur (1890). *Insurance made easy.* [pamphlet]. - Manchester: A Arthur Reade, 1890. - 75 pages. [RKN: 71034]

Reale Compagnia Italiana di Assicurazion Generali sulla Vita dell'Uomo in Milano (1863). *Garanzie, capitale d'azioni di garanzia. Dotazioni mutue e garantite. Impiego dei Fondi.* [commercial pamphlet]. - Milano: Reale Compagnia Italiana di Assicurazion Generali sulla Vita dell'Uomo, 1863. - [4], 43 + folding plate (form) pages. [RKN: 43733]
Prospectus for life assurance marketed in Italy -- Date of publication inferred as circa 1863

Reboul, E (1865). *Assurances sur la vie.* - 5th ed. [book]. - Paris: 1865. [RKN: 4839]

Reboul, E (1871). *Le nouvel impôt sur les assurances note suivie de la partie de l'exposé des motifs et du projet de loi qui est rélativ aux assurances..* [pamphlet]. - Paris: 1871. [RKN: 40430]

Reboul, Eugene (1867). *La morale de l'assurance.* [pamphlet]. - Paris: 1867. [RKN: 40620]

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Keyword on page 12 is a misprint. Additional handwritten figures on page 49 -- Featured in 'Some Landmarks in Actuarial Science', exhibition, November 1985

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Library holds 2nd (18)and 4th editions

Scratchley, Arthur (1860). *Associations for provident investment.* [book]. - London: 1860. [RKN: 8229]

Scratchley, Arthur (1867). *Scratchley on building societies, life assurance and reversions.* [book]. - London: 1867. [RKN: 8230]

Scratchley, Arthur (1867). *Mr Scratchley's life assurance bill for enabling policies to be secured to the widow and children of the assured.....* [pamphlet]. - London: Charles and Edwin Layton, 1867. [RKN: 70759]

Scratchley, Arthur (1874). *Guide to the legal decisions affecting policies of assurance. II: Guide to the valuation of life contingencies and reversions.* [book]. - London: 1874. [RKN: 8271]

Scudamore, Frank Ives (1861). *Life insurance by small payments: a few plain words concerning it.* [pamphlet]. - London: Emily Faithfull & Co, 1861. - 8 pages. [RKN: 71007]

Searle, Thomas J (1889). *On a table of coefficients arising out of a given mortality table, for finding annuity-values at any rate of interest that may be required.* [pamphlet]. 1889. - 23 pages. [RKN: 70929]
Extract from Journal of the Institute of Actuaries, vol 28 p192

Select Committee on Death Certification (1893). *First and second reports on death certification.* [book]. - London: 1893. [RKN: 2417]

Seligman, Edwin R A (1895). *Essays in taxation.* [book]. - New York NY (USA): Macmillan, 1895. - x,434 pages. [RKN: 7025]

Selkirk, Earl of (1806). *Eight letters on the subject of the Earl of Selkirk's pamphlet on Highland emigration.* [pamphlet]. - Edinburgh: 1806. - 59 pages. [RKN: 70727]

Selkrig, Charles (1828). *Remarks upon the report of the committee appointed at a meeting of entailed proprietors in Scotland, in which is suggested a plan for the gradual abolition of entails.....* - 3rd ed. [pamphlet]. - Edinburgh: 1828. - 40 pages. [RKN: 70750]

Sexton, George (1858). *Life assurance, its aspects and its claims: a lecture: / delivered on various occasions, by Mrs Sexton.* [pamphlet]. 1858. [RKN: 41006]

Seyd, E (1868). *Bullion and foreign exchanges theoretically and practically considered; followed by a defence of the double valuation, with special reference to the proposed system of universal coinage.* [book]. - London: 1868. [RKN: 7292]

Shackleton, Joseph (1897). *Social amelioration: a treatise upon Mr. Alexander Atkinson's National Pension Scheme, &c..* [book]. - Bradford: Printed by J.S. Toothil, 1897. - 266 pages. [RKN: 42989]

Shand, Lord (1879). *The liability of employers: a system of insurance by the mutual contributions of masters and workmen the best provision for accidents.* [pamphlet]. - Edinburgh: 1879. - 31 pages. [RKN: 71370]

[Share certificate] (1778). *Consolidated 3 per cent annuities. Received this 6th day of February 1778 of Mrs Mary Coates the sum of seven hundred & sixteen pounds 5/- being the consideration for one thousand pounds interest or share in the joint stock of three per cent annuities, erected by an Act of Parliament of the 25th year of the reign of King George II entitled, An Act for converting the several annuities therein mentioned into several joint stocks of annuities, transferable at the Bank of England, to be charged on the Sinking Fund....* [photocopy]. - London: 1778. [RKN: 11457]

Sharman, H Riseborough (1852). *The duty on fire insurance erroneous in principle and injurious in practice.* [pamphlet]. - London: 1852. [RKN: 40198]

Sharman, H Riseborough (1859). *A lecture on the nature and advantages of life assurance: with special reference to the facilities afforded by the scheme of the Postmaster-General to the officers of the Post Office desiring to insure: (Life insurance leaflets; no. 4).* [pamphlet]. - London: G J Stephenson, 1859. - 32 pages. [RKN: 40618]
Institute Library also holds collected Life insurance leaflets by H Riseborough Sharman, numbers 1-7 [RKN: 42850]

Sharman, H Riseborough (1859). *Life assurance leaflets.* [book]. - London: G J Stephenson, 1859. - viii, 32, 32, 55, 32, 7, 6, 13, 15 pages. [RKN: 42850]
Collected articles originally issued as separate leaflets in Leisure Hour magazine.

Sharman, H Riseborough (1860). *Have you insured your life? If not, why not?: (Life assurance leaflets; no. 5).* [pamphlet]. - London: G J Stevenson, 1860. - 7 pages. [RKN: 71006]
Institute Library also holds collected Life insurance leaflets by H Riseborough Sharman, numbers 1-7 [RKN: 42850]

Sharman, H Riseborough (1863). *Why should I insure my life? Arguments for agents, and serious considerations for the uninsured: (Life assurance leaflets; no. 9).* [book]. - London: G J Stevenson, 1863. - 21 pages. [RKN: 71532]

Sharp, Granville (1852). *The prize essay on the application of recent inventions collected at the Great Exhibition of 1851, to the purposes of practical banking.* [pamphlet]. - London: 1852. [RKN: 40109]

Shattuck, Lemuel (1846). *Report to the committee of the city council appointed to obtain the census of Boston for the year 1845, embracing collateral facts and statistical researches, illustrating the history and condition of the population, and their means of progress and prosperity: Palfrey, John G: Statistics of the condition and products of certain branches of industry in Massachusetts, for the year ending April 1, 1845. Prepared from the returns of the assessors.* [book]. - Boston MA (USA): 1846. [RKN: 9299]
Spine lettering: Statistics of Massachusetts & Census of Boston

Shaw, G J (1853). *On the law of partnership.* [pamphlet]. - London: 1853. [RKN: 40790]

- Shaw, George Bernard** (1894;2010 reprint). *Mrs Warren's Profession: With the author's apology*. [book]. Watchmaker Publishing, 1894;2010 reprint. [RKN: 43731]
Play written in 1894, set in 1893, noted for character Vivie, daughter of Mrs Warren, who seeks to support herself through work at 'actuarial calculations' for insurance long before women were allowed to take actuarial exams or join the Institute of Actuaries or Faculty of Actuaries. Without her knowledge her mother's profession running a brothel has supported her education.
- Sheppard, George** (1855). *Life assurance in theory and practice*. [pamphlet]. - Hamilton: 1855. [RKN: 40617]
- Sheppard, W F** (1898). *On the application of the theory of error to cases of normal distribution and normal correlation*. [pamphlet]. - Cambridge: 1898. [RKN: 42211]
Collected papers: Statistical theory from Edinburgh Royal Scientific Institution 1922-1936
- Sheppard, W F** (1899). *A method for extending the accuracy of certain mathematical tables*. [pamphlet]. - London: 1899. [RKN: 42019]
Collected papers: Papers on interpolation, etc 1899-1933
- Sheppard, W F** (1900). *On the calculation of the double-integral expressing normal distribution*. [pamphlet]. - Cambridge: 1900. [RKN: 42210]
Collected papers: Statistical theory from Edinburgh Royal Scientific Institution 1922-1936
- Sheppard, William Fleetwood** (1900). *On the tabulation of certain frequency distributions*. [journal article]. 1900. [RKN: 42189]
Philosophical Magazine (1900)
From the *Philosophical Magazine*, October 1900 -- Collected papers: Statistical theory 1899-1917
- Sherwin, Henry; Briggs, Henry; Wallis, John; Halley, Edmund; Sharp, Abraham** (1717;1705). *Mathematical tables, Contrived after a most comprehensive method; Viz... With their Construction and Use*. - [1st] ed. [book]. - London: R and W Mount and T. Page, 1717;1705. - 1 vols. - [2] 64, [304], 36 pages. [RKN: 20241]
This edition printed with title page date 1717, overwritten as 1705. -- 1st edition published 1705 - reissued with change of title page date 1706 -- 2nd edition 1726; 3rd edition 1741 (edited by William Gardiner); 4th edition 1761 -- Library holds this flawed 1st edition and 4th edition 1761
- Short, Thomas** (1750). *New observations, natural, moral, civil, political and medical, on city, town and country bills of mortality. To which are added, large and clear abstracts of the best authors who have wrote on that subject with an appendix on the weather and meteors*. [book]. - London: 1750. [RKN: 3820]
- Short, Thomas** (1767). *A comparative history of the increase and decrease of mankind in England, and several countries abroad*. [book]. - York: Printed for W Nicoll and C Etherington, 1767. [RKN: 2147]
- Short, Thomas; Wall, Richard** (1767;1973 reprint). *A comparative history of the increase and decrease of mankind in England, and several countries abroad*. - Pioneers of demography. [facsimile reprint]. - Westmead, Farnborough: Gregg International, 1767;1973 reprint. - [12], 213 pages. [RKN: 42985]
Institute Library holds original edition of 1767 - see RKN 2147
- Shortrede, Robert** (1849). *Logarithmic tables containing logarithms to numbers from 1 to 120,000; numbers to logarithms from .1 to 1.00000 to seven places of decimals; tables with centesimal and decimal arguments for finding logarithms and anti-logarithms as far as sixteen and twenty-five places*. [book]. - Edinburgh: 1849. [RKN: 1439]
- Shortrede, Robert** (1858). *Logarithmic tables to seven places of decimals, containing logarithmic sines and tangents to every second of the circle, with arguments in space and time, and MS notes by the author*. [book]. - Edinburgh: 1858. [RKN: 1440]
- Shortrede, Robert** (1864). *Traverse tables to five places for every 2 of angle up to 100 of distance*. [book]. - Edinburgh: 1864. [RKN: 1441]
- Sievekink, E H** (1874). *The medical adviser in life assurance*. [book]. - London: 1874. [RKN: 4990]
- Signet Writers Widows Fund; Thomson, William Thomas** (1873). *Further report with reference to the septennial investigation of the Writers to the Signet Widows' Fund, as at Whitsunday 1872*. [corporate document]. - Edinburgh: 1873. - 18 pages. [RKN: 71054]
- Signet Writers Widows Fund; M'Candlish, J M** (1886). *Report on the widows' fund of the Writers to Her Majesty's Signet, as at Whitsunday 1886*. [corporate document]. 1886. - 21 pages. [RKN: 71055]
- Signet Writers' Widows Fund; Deuchar, D** (1893). *Actuary's report on the widows' fund of the Writers to Her Majesty's Signet, septennial investigation as at Whitsunday 1893*. [corporate document]. - Edinburgh: T and A Constable [printers], 1893. - 25 pages. [RKN: 71289]
- Simpson, Thomas** (1740). *Essays on several curious and useful subjects, in speculative and mix'd mathematicks*. [book]. - London: Printed by H Woodfall, jun for J Nourse, 1740. - - pages. [RKN: 786]
- Simpson, Thomas** (1740;1792). *The nature and laws of chance*. [book]. - London: printed by Edward Cave, 1740;1792. - [2],iv,85,[1] pages. [RKN: 1673]
Another 1792 edition is bound in Tracts volume 26 -- At the back of the 1792 edition is "Of the laws of chance, or, a method of calculation of the hazards of game", 4th edition, 1738, revised by John Ham

- Simpson, Thomas** (1742). *The doctrine of annuities and reversions, deduced from general and evident principles; with useful tables, shewing the values of single and joint lives, etc, at different rates of interest. To which is added, a method of investigating the value of annuities by approximation, without the help of tables.* - [1st] ed. [book]. - London: 1742. - viii, 128; [2], 16; 88 pages. [RKN: 20057]
Institute Library holds 1st (1740) and 2nd (1775) editions -- Featured in 'Some Landmarks in Actuarial Science', exhibition, November 1985
- Simpson, Thomas** (1752). *Select exercises for young proficient in the mathematicks.* [book]. - London: 1752. [RKN: 4468]
- Simpson, Thomas** (1757). *Miscellaneous tracts on some curious and very interesting subjects in mechanics, physical-astronomy, and speculative mathematics, wherein, the precession of the Equinox, the nutation of the Earth's axis, and the motion of the moon in her orbit, are determined.* [book]. - London: 1757. [RKN: 787]
- Simpson, Thomas** (1767;1775). *A treatise of algebra. Wherein the principles are demonstrated, and applied in many useful and interesting enquiries and in the resolution of a great variety of problems of different kinds. To which is added, the geometrical construction of a great number of linear and plane problems, with the method of resolving the same numerically.* [book]. - London: 1767;1775. [RKN: 915]
Third edition revised: 1767 AN:1214 -- Fourth edition revised: 1775 AN:1215 -- Faculty holds third edition (1767) only
- Simpson, Thomas** (1775). *The doctrine of annuities and reversions, deduced from general and evident principles: with useful tables, shewing the values of single and joint lives, etc at different rates of interest. To which is added, a method of investigating the value of annuities by approximation, without the help of tables.* - 2nd ed. [book]. - London: printed for John Nourse, 1775. - viii, 144 pages. [RKN: 13251]
Institute Library holds 1st (1740) and 2nd (1775) editions
- Simpson, Thomas** (1791). *A supplement to the doctrine of annuities and reversions, deduced from general and evident principles: containing the valuation of annuities and reversions, for single and joint lives; with the necessary tables.* [pamphlet]. - London: Printed for F Wingate, 1791. - 88 pages. [RKN: 70660]
- Simpson, Thomas** (1792). *The nature and laws of chance.* [book]. - London: printed by Edward Cave, 1792. - [2],iv,85,[1] pages. [RKN: 41327]
Library holds [1st] (1740) and 2nd (1792) editions -- At the back of the 1792 edition is "Of the laws of chance, or, a method of calculation of the hazards of game", 4th edition, 1738, revised by John Ham -- Originally entered under 1673
- Simpson, Thomas** (1792). *The nature and laws of chance.* [pamphlet]. - London: 1792. - 95 pages. [RKN: 70661]
- Simpson, Thomas** (1823). *The doctrine and application of fluxions containing a number of new improvements in the theory; and the solution of a variety of new and very interesting problems, in different branches of the mathematics.* - New ed. [book]. - London: 1823. - 2 vols. [RKN: 1108]
2 volumes
- Sinclair, J** (1885). *Classification of fire risks.* [pamphlet]. - Melbourne: 1885. [RKN: 40364]
- Sinclair, James** (1816). *The Code of Health & Longevity.* - 3rd ed. [book]. 1816. [RKN: 43119]
Equitable Life Assurance Society archive reference EL934B
- Sinclair, John (Sir)** (1798). *The statistical account of Scotland: Drawn up from the communications of the ministers of of the different parishes.* - 1st ed. [book]. - Edinburgh: Printed and sold by William Creech., 1798. - 21 vols. [RKN: 20242]
Institute Library set held at Faculty Library
- Sir Ralph Abercromby Friendly Society; Meikle, James** (1866). *Report on the affairs of the Sir Ralph Abercromby Friendly Society as at 31st December 1865.* [corporate document]. - Edinburgh: 1866. - 12 pages. [RKN: 70766]
- Sir Ralph Abercromby Friendly Society; Meikle, James** (1872). *Report on the affairs of the Sir Ralph Abercromby Friendly Society and Lodge No. 3456 of the Independent Order of Oddfellows [Manchester Unity] as at 31st December 1870.* [corporate document]. - Edinburgh: Shirley & Harkness [printers], 1872. - 16 pages. [RKN: 70339]
- Skirving, James; Edinburgh Journeymen Goldsmiths Society** (1825). *Report...upon the following queries submitted to him by the Edinburgh Journeymen Goldsmiths' Society.* [corporate document]. - Edinburgh: P Neill [printer], 1825. - 8 pages. [RKN: 70676]
- Slater, D M** (1893). *Life assurance in India: its origin and development.* [pamphlet]. - Bombay: 1893. - 30, 8 pages. [RKN: 71142]
- Smart, Andrew** (1866). *Reports to the Lord Provost and Magistrates of the City of Edinburgh on the pathological appearances, symptoms, treatment and means of preventing cattle plague: With 22 coloured lithographs and analytical tables of one hundred dissections.* [pamphlet]. - Edinburgh: MacLachan & Stewart, 1866. - 46 (+ 4 plates) pages. [RKN: 71078]
Reports followed by a letter from the author to the Lord Provost and Magistrates of Edinburgh on the subject of Rinderpest preventives and the liability of sheep to the disease

Smart, John (1726). *Tables of interest, discount, annuities, &c.* - 2nd ed. [book]. - London: Printed by J Darby and T Browne, 1726. - [8],123,[1] pages. [RKN: 4424]

One copy (AN 31773) has 45 + [2, 2] additional pages in manuscript, verified as in the hand of John Smart - see separate catalogue record 43201 -- One copy (AN has additional pages bound in: "A Scheme of the Proportions the several counties in England paid to the Land Tax in 1693 and to the Subsidies in 1697 compared with the number of Members then sent to Parliament ... calculated by John Smart at the Town Clerks Office London" (ca. 1745) inserted before John Smart's Tables... 1726; and "An Account of the Number of Persons Dying at the several Ages undermentioned... of the Number of Persons Dying in every Seven Years Current... of Persons Buried in Ten Years past as published by the Company of Parish Clerks, in the Yearly Bills of Mortality viz." [years 1728-1737] and "A Table shewing the Probabilities of Life, by Observations made from the Bills of Mortality in London. By John Smart, Gent.

Smart, John (1726). *Tables of interest, discount, annuities, &c [with manuscript additions].* - 2nd ed. [book;manuscript]. - London: Printed by J Darby and T Browne, 1726. - [8],123,[1] + [1] 45, [2], [2] p. manuscript pages. [RKN: 43201]

This copy (AN 31773) has [1], 45 + [2, 2] additional pages in manuscript, most verified as in the hand of John Smart - see separate catalogue record 43201 -- Inserted letter to A W Evans, dated 27 February 1948, outlines research of Corporation of London records which verify that manuscript pages 1-44 are written by John Smart; pages 45 + [2] are in another hand (on mortality data for years 1742-1771 after John Smart died in November 1742. -- Library has 4 other copies of the printed book - see catalogue record 44

Smart, John (1735). *Tables of interest, etc. Abridged for the use of schools.* [book]. - London: 1735. [RKN: 4423]
Faculty copy dated 1736

Smart, John (1738). *A letter from Mr Smart to George Heathcote Esq, re inclosing tables extracted from ye Bills of Mortality for the last ten years, and from them shewing the probabilities of life, in order to estimate annuities &c..* [manuscript facsimile]. 1738. [RKN: 3840]

Manuscript letter read at the Royal Society in 1738 -- Features in S Haberman and T A Sibbett (ed), History of actuarial science, v. I -- Featured in 'Some Landmarks in Actuarial Science', exhibition, November 1985

Smart, John (1738). *A letter from Mr Smart to George Heathcote Esq, re inclosing tables extracted from ye Bills of Mortality for the last ten years, and from them shewing the probabilities of life, in order to estimate annuities &c.* [manuscript facsimile]. 1738. [RKN: 40013]

Manuscript letter read May 1738 -- Features in S Haberman & T A Sibbett (ed) History of actuarial science (1995), v.I -- Featured in 'Some Landmarks in Actuarial Science', exhibition, November 1985

Smart, William (1891). *An introduction to the theory of value on the lines of Menger, Wieser, and Bohm-Bawerk.* [book]. - London: Macmillan, 1891. - vi,[ii],88,[2], 44p publ cat pages. [RKN: 6420]

Smedley, Edward, Rose, Hugh James and Rose, Henry John. (Editors) (1849). *Annuities (Encycloaedia Metropolitana; volume XIV) Universal Dictionary of Knowledge.* [pamphlet]. - London: 1849. [RKN: 40915]

Smee, A (1839). *On the formation of moulding tablets for fractures, etc.* [pamphlet]. - London: 1839. [RKN: 40565]

Smee, A (1840). *On the Ferrosesquicyanuret of Potassium.* [pamphlet]. - London: 1840. [RKN: 40564]

Smee, A (1840). *On the galvanic properties of the principle elementary bodies, with a description of a new chemico-mechanical battery.* [pamphlet]. - London: 1840. [RKN: 40566]

Smee, A (1840). *On the production of electrotypes.* [pamphlet]. - London: 1840. [RKN: 40567]

Smee, A (1840). *On the structure of normal and adventitious bone.* [pamphlet]. - London: 1840. [RKN: 40568]

Smith, Adam (1761). *An inquiry into the nature and causes of the wealth of nations: With a life of the author, an introductory discourse, notes and supplemental dissertations.* - 5th ed. [book]. - Edinburgh: Adam and Charles Black [etc.], 1761. - lxvi, 685: ill.port. ; 23 cm pages. [RKN: 70882]

Smith, Adam (1784). *An inquiry into the nature and causes of the wealth of nations.* - 3rd ed. [book]. - Edinburgh: W Strahan and T Cadell, 1784. - 3 vols. [RKN: 6487]

Smith, Adam (1796). *An inquiry into the nature and causes of the wealth of nations.* - 8th ed. [book]. - London: 1796. - 3 vols. [RKN: 6488]

Smith, Adam (1809). *An inquiry into the nature and causes of the wealth of nations.* - 4th ed. [book]. - Edinburgh: 1809. - 3 vols. [RKN: 6486]

Smith, Frederick G (1837). *Observations on life assurance: illustrative of the many important benefits resulting to society from its practice: To which is added a brief outline of the Scottish Union Assurance Corporation.* [pamphlet]. 1837. - 44 pages. [RKN: 70911]

Smith, H A (1863). *On a table indicating the annual premium from the single and vice versa.* [pamphlet]. 1863. - 4 pages. [RKN: 70787]

Smith, H A (1881). *Annual and single endowment assurance premiums - Institute of Actuaries Hm 3 per cent.* [pamphlet]. - London: 1881. [RKN: 40322]

Smith, H J (1885). *Fire surveys.* [pamphlet]. - Melbourne: 1885. [RKN: 40365]

Smith, J T (1870). *On the methods of computing the comparative values of gold and silver in India.* [pamphlet]. 1870. [RKN: 40366]

Smith, J T (1876). *Silver and the Indian Exchanges; a remedy for its depreciation, in three essays, submitted to the Secretary of State for India in Council.* [pamphlet]. - London: 1876. [RKN: 40367]

Smithson, Peter (1764;1765). *Course of the Exchange &c, London, Tuesday January 3, 1764 [- Tuesday, December 31, 1765].* [book]. - London: Published Tuesdays and Fridays by Peter Smithson, broker, and the sister of the late John Castaing, 1764;1765. - 1 vols. - [203] (of 207 issues) pages. [RKN: 43198]

Original published as separate list sheets, here collected as volume of stock listings for years 1764 to 1765. -- Peter Smithson followed Richard Shergold in 1764 as compiler of the listing originated by John Castaing in 1698. -- Twice-weekly issued lists record in tabular form a variety of financial data, including prices of money, precious metals, commodities, stocks and bonds, lottery tickets, annuities, assurances and other financial instruments

Smithsonian Institution. Board of Regents (1873). *Annual report showing the operations, expenditures, and condition of the Institution for the year 1871.* [book]. - Washington DC (USA): Government Printing Office, 1873. - 473 pages. [RKN: 15494]

Smithsonian Institution. Board of Regents (1874). *Annual report showing the operations, expenditures, and condition of the Institution for the year 1873.* [book]. - Washington DC (USA): Government Printing Office, 1874. - 452 pages. [RKN: 15517]

Smyth, E (1860). *A manual of interest and annuities, comprising a popular explanation of the solution of questions of compound interest and annuities for years; with an auxiliary table for fifty-four rates of interest; also the values of life annuities by the English life tables; and an appendix containing suggestions for the more equitable assessment of the income tax.* [book]. - London: 1860. [RKN: 4343]

Smyth, E (1870). *On the enfranchisement of copyholds of inheritance.* [pamphlet]. - London: 1870. [RKN: 40323]

Sneath, A W (1898). *Fire policy conditions.* [book]. - Leeds: 1898. [RKN: 6196]
Also bound in: Life assurance tracts, volume 8

Snoer, M G (1875). *Lijfrente en Levensverzekering.* [pamphlet]. - Amsterdam: 1875. [RKN: 40494]

Snow, Edwin M (1859). *Report on the Small Pox in the city of Providence, from January to June 1859.* [pamphlet]. - Providence RI (USA): 1859. [RKN: 40721]

Societe d'Assurance Mutuelle Contre la Grele (1819). *Ordonnance du roi.* [corporate document]. 1819. [RKN: 40639]

Society for Equitable Assurances (1801). *The Deed of Settlement of the Society for Equitable Assurances with the bye laws of the Society: And three addresses delivered at three different general courts of the society, by Mr Morgan, the Actuary.* [corporate document]. - London: printed by Bye and Law, 1801. - vii,[1],170 + 23 pages. [RKN: 12140]

Society for Equitable Assurances (1811). *Deed of Settlement,.... with the bye-laws of the Society, and four addresses... by Mr. Morgan, the Actuary.* [corporate document]. - London: 1811. [RKN: 9939]
Addresses dated 1793, 1795, 1800, 1809, 1816, on pages 115, 133, 149, 171, 189

Society for Equitable Assurances (1817). *A short account of the Society for Equitable Assurances on lives and survivorships, established by deed, inrolled in his Majesty's Court of King's Bench at Westminster.* [corporate document]. - London: Printed by J Bryan & Son, 1817. - 20, [2] pages. [RKN: 42978]

Society for Equitable Assurances (1820). *The Deed of Settlement of the Society for Equitable Assurances on Lives and Survivorships, with the bye-laws of the Society, and six addresses delivered at six different general courts of the Society by Mr Morgan, the Actuary.* [corporate document]. 1820. [RKN: 9027]

Society for Equitable Assurances; Morgan, William (1833). *The Deed of Settlement of the Society for Equitable Assurances on Lives and Survivorships, as the same is inrolled in His Majesty's Court of King's Bench at Westminster in the year 1765; with the bye-laws and orders: To which are appended reports by the court of directors, and nine addresses by William Morgan Esq., F.R.S., late Actuary of the Society.* [corporate document]. - London: Printed by Richard Taylor, 1833. [RKN: 20109]

'Nine Addresses' by William Morgan, Actuary (1775-1830) delivered at a General Court holden 7th May, 1793; 3rd December 1795; 24th April, 1800; 7th December, 1809; 5th December, 1816; 2nd December, 1819; 3rd March, 1825; 3rd December, 1829; and, 2nd December 1830 -- Library also holds 1811 edition with four addresses by Willam Morgan to date.

Society for Equitable Assurances; [Morgan, Arthur] (1834). *Tables showing the total number of persons assured in the Equitable Society from its commencement in September 1762 to 1st January 1829.* [corporate document]. - London: 1834. [RKN: 2865]
Bound with: Report Select Committee on Life Annuities 1829, Select Committees on Friendly Societies 1825 1827

Society for Equitable Assurances (1850). *A short account of the Society for Equitable Assurances on lives and survivorships, established by deed,* [corporate document]. - London: Printed by Richard and John E Taylor, 1850. - 24 pages. [RKN: 70899]

Society for Equitable Assurances (1854). *Equitable Society. Reports made on various occasions by the Court of Directors.* [corporate document]. - London: Printed by Taylor & Francis, 1854. [RKN: 8131]

Society for Equitable Assurances (1854). *Equitable Society. Reports made on various occasions by the court of directors.* [corporate document]. 1854. [RKN: 8561]

Society for Equitable Assurances (1881). *The Deed of Settlement of the Society for Equitable Assurances on Lives and Survivorships with the bye-laws and orders.* [corporate document]. - London: 1881. [RKN: 8130]
Revised edition; first published 1854

Society for Equitable Assurances on Lives and Survivorships (1783). *A short account of the Society for Equitable Assurances, etc.* [corporate document]. - London: 1783. - 25 pages. [RKN: 20097]

Society for Equitable Assurances on Lives and Survivorships; Morgan, William (1793). *Address delivered by the Actuary to the Members of the Society for Equitable Assurances on Lives and Survivorships, at a General Court holden the seventh of March, M DCC XCIII.* [corporate document]. 1793. [RKN: 40941]

Society for Equitable Assurances on Lives and Survivorships (1795). [*Life insurance policy: no. 15411 and premium payment receipt*]. [manuscript]. - [England]: 1795. - 1 + 1 pages. [RKN: 43177]

Policy issued on the life of his wife Jane Wade for the period of eighteen months assuring £4000 payable to Robert Wade at a premium of 82 pounds and 1 shilling. -- Acquired separately, not part of Archive of the Equitable Life Assurance Society.

Society for Equitable Assurances on Lives and Survivorships; Morgan, William (1800). *Address to the Members of the Society for Equitable Assurances on Lives and Survivorships, at a General court holden the twenty-fourth of April, M.DCCC.* [corporate document]. 1800. [RKN: 40980]

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Engraved broadside with central mezzotint and etched vignettes, [n.d., c.1762.] Satire on the South Sea Bubble; a man weeps holding up his cloak and handkerchief; above is an emblematic scene and below a coat of arms. On all sides engraved text giving a 'List of Bubbles' including: 'Insurance on Lives', 'Insurance on Horses' 'Royal Assurance', 'London Assurance' 'Rose insurance from Fire', 'Insurance on Ships &c', 'Lending Money on Bottom-ree' [marine insurance]. -- This plate was first issued by Thomas Bowles in 1720; this impression from a re-worked and re-issued state on laid paper, by his successor Henry Carington Bowles (1724 - 1793). It is the second of a pair: the first depicting optimistic figure investing funds in the scheme in hope of profitable returns; this second depicts a sorrowful figure impoverished by his losses. The epigram on each 'bubble' matched text also featured in a set of playing cards issued at the same time. -- The plate had first appeared in the illustrated Crowle, Pennant's 'Some Account of London', Part XII, No.139 -- The South Sea Company was a British joint stock company that traded in South America during the 18th century. Founded in 1711, the company was granted a monopoly to trade in Spain's South American colonies as part of a treaty during the War of Spanish Succession. In return, the company assumed the national debt England had incurred during the war. Speculation in the company's stock led to a great economic bubble known as the South Sea Bubble in 1720, which caused financial ruin for many.

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'Books were opened at different offices, on that day, and continued three mons; since which fines in proportion to the lapses of tome have been, and are to be paid by those who become Members of the Society, till the 21st, 1791, when the books will be closed, and no more subscribers admitted - p.1 -- Pamphlet makes reference to 'the assistance of the following statements, drawn from the 6th Table of Dr [Richard] Price on annuities, being a table of the Probabilities of Life at Northampton; which table is selected in preference to that of "The Probabilities of Life in London"...'

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Original Act for enabling the Commissioners of the National Debt to grant Life Annuities, (48 Geo. III, cap. CXLII [142], 1808).
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United Kingdom. Parliament (1832). *An act to enable the Standard Life Assurance Company to sue and be sued in the name of their manager; for confirming the rules and regulations of the said company; and for other purposes relating thereto.* [legislation]. 1832. - 31 pages. [RKN: 62675]

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United Kingdom. Parliament (1833). *An Act to enable depositors in savings banks, and others, to purchase government annuities through the medium of savings banks; and to amend an Act of the ninth year of his late Majesty, to consolidate and amend the laws relating to savings banks.* [legislation]. 1833. - 24 pages. [RKN: 62631]

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United Kingdom. Parliament (1848). *An Act for more effectually watching, cleansing and lighting the streets of the City of Edinburgh and adjoining districts, for regulating the police thereof, and for other purposes relating thereto.* [legislation]. 1848. - 104 pages. [RKN: 62788]

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United Kingdom. Parliament (1853). *An Act for granting to Her Majesty duties on profits arising from property, professions, trades and offices.* [legislation]. 1853. - 28 pages. [RKN: 62819]
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United Kingdom. Parliament (1853). *An Act for granting to Her Majesty duties on succession to property, and for altering certain provisions of the Acts charging duties on legacies and shares of personal estates.* [legislation]. 1853. - 59 pages. [RKN: 62820]
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United Kingdom. Parliament (1853). *An Act to extend for a limited time the provision for abatement of income tax in respect of insurance on lives.* [legislation]. 1853. - 4 pages. [RKN: 62825]
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United Kingdom. Parliament (1854). *An Act to repeal the laws relating to usury and to the enrolment of annuities.* [legislation]. 1854. - 4 pages. [RKN: 62806]
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United Kingdom. Parliament (1855). *An Act to consolidate and amend the law relating to friendly societies.* [legislation]. 1855. - 27 pages. [RKN: 62808]
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United Kingdom. Parliament (1856). *An Act for the incorporation and regulation of joint stock companies and other associations.* [legislation]. 1856. - 64 pages. [RKN: 62771]
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United Kingdom. Parliament (1856). *An Act to amend the laws relating to the duties on fire assurances.* [legislation]. 1856. - 4 pages. [RKN: 62774]
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- United Kingdom. Parliament** (1856). *An Act to reduce the stamp duties on certain instruments of proxy; to amend the laws relating to the stamping of articles of clerkship to attorneys and others; and to exempt from stamp duty admissions to the freedom of the City of London by redemption.* [legislation]. 1856. - 4 pages. [RKN: 62775]
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- United Kingdom. Parliament** (1856). *An Act to amend the Acts relating to the advance of public money to promote the improvement of land.* [legislation]. 1856. - 7 pages. [RKN: 62776]
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- United Kingdom. Parliament** (1857). *An Act to amend the Joint Stock Companies Act, 1856 [25 August 1857].* [legislation]. 1857. - 4 pages. [RKN: 62773]
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- United Kingdom. Parliament** (1857). *An Act to amend the law relating to banking companies.* [legislation]. 1857. - 8 pages. [RKN: 62778]
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- United Kingdom. Parliament** (1858). *An Act to amend the Joint Stock Companies Acts, 1856 and 1857, and the Joint Stock Banking Companies Act, 1857.* [legislation]. 1858. - 8 pages. [RKN: 62785]
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- United Kingdom. Parliament** (1858). *An Act to enable joint stock banking companies to be formed on the principle of limited liability.* [legislation]. 1858. - 3 pages. [RKN: 62786]
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- United Kingdom. Parliament** (1860). *An Act for granting to Her Majesty certain duties of stamps.* [legislation]. 1860. - 12 pages. [RKN: 62783]
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- United Kingdom. Parliament** (1860). *An Act for granting to Her Majesty certain duties of stamps, and to amend the laws relating to the stamp duties.* [legislation]. 1860. - 12 pages. [RKN: 62784]
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- United Kingdom. Parliament** (1861). *An Act to continue certain duties of customs and inland revenue for the service of Her Majesty, and to alter and repeal certain other duties.* [legislation]. 1861. - 11 pages. [RKN: 62782]
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- United Kingdom. Parliament** (1862). *An Act for the incorporation, regulation, and winding up of trading companies and other associations.* [legislation]. 1862. - 96 pages. [RKN: 62794]
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- United Kingdom. Parliament** (1863). *An Act to grant certain duties of customs and inland revenue.* [legislation]. 1863. - 8 pages. [RKN: 62799]
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- United Kingdom. Parliament** (1864). *An Act to grant additional facilities for the purchase of small Government annuities, and for assuring payments of money on death.* [legislation]. 1864. - 8 pages. [RKN: 62798]
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Collected papers: Friendly Societies Act 1875; Amendments - 1888-95.
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This is considered the first edition published in French in London, despite the imprint showing Basle as the place of publication.
This edition contains the twenty-four letters of the original English imprint but lacks the twenty-fifth letter on the 'pensées de Pascale' added by Voltaire to the 'Lettres philosophiques' published in Rouen, France in 1734. This edition includes an additional 'Lettre sur l'incendie de la Ville d'Altena' and an index, revealing Voltaire's identity as the author.

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The second edition with corrections and additions by the author - t.p. -- 1st edition published 1758. -- (Reprints of economic classics). -- Reprint of second edition published by Augustus M Kelley, New York, 1969.

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Wallis, John (1685). *A Treatise of Algebra both historical and practical showing the original, progress and advancement thereof, from time to time, and by what steps it hath attained to the heighth at which now it is*. [book]. 1685. [RKN: 1013]

Wallsend Church (c1835). *Wall's End Church tontine [with] Table of Allowance upon deaths*. [pamphlet]. - Newcastle: Printed by John Hernaman, c1835. - [3] pages. [RKN: 43150]

This tontine appears to have been established before 1810 - the first printed recorded death on this paper was in January 1810. The printed text records deaths up to 1834 and had been updated in manuscript to 1849. Each of the four classes contained eighteen names: Lord Stowell was the last man standing in the fourth class, enjoying £51 p.a. from the death of the penultimate survivor in 1833 until his own death in 1836. The document offers a fascinating insight into a highly speculative transaction, now illegal. This copy is endorsed to the Rev. C Perigal; Susanne and Sarah Perigal were among the second class, both apparently still alive in 1851.

Walmesley, D C (1749). *Analyse des mesures des rapports et des angles: ou réduction des intégrales aux logarithmes et aux arcs de cercles*. [book]. - Paris: chez G F Quillau, 1749. [RKN: 41552]

Provenance: Francis Maseres Library; then Inner Temple Library -- Acquired from auction with Henry Briggs, Arithmetica logarithmica (English edition), 1631 - [RKN 20126] and 3 other items -- Possible for withdrawal from stock notwithstanding Francis Maseres former ownership -- Bought with Briggs [RKN: 1631] and subsequently sold

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Walton, W G ([1883]). *Actual results: American life insurance offices in Great Britain*. [book]. - Manchester: Cuthbertson and Black [printers], [1883]. - 24 pages. [RKN: 70493]

Walton, W G (1883). *The Equitable Life Assurance Society of the United States and the New York Life Insurance Company*. [pamphlet]. - Manchester: Cuthbertson and Black [printers], 1883. - 24 pages. [RKN: 71030]

Warcupp, Edmond; Graunt, John; Petty, William (1659). *[Indenture, agreement between Edmund Warcup, William Petty, John Graunt and others relating to the bargain and sale of "All that Great Capitall Mesuage and Tenement in One Garden... in the Parish of St Margaret in Lothbury, dated 8 March 1659]*. [manuscript]. - [London]: 1659. - 2 sheets + folding map pages. [RKN: 43059]

Inscribed on reverse: "The Counterpart of Mr Edm'd Warcup and his Trustees Grant and Lease to Dr Petty, Mr Graunt & Mr Martin and their Trustees. With a Plan and Survey of the Lothbury Estate." -- Property deed featuring the signed name of John Graunt and involvement of William Petty, at a time close to Graunt's first publication 'Natural and political observations on the Bills of Mortality' of 1662.

Ward, John (1710). *Clavis usurae; or a key to interest, both simple and compound*. [book]. 1710. [RKN: 4292]

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Ward, John (1713). *The young mathematician's guide: Being a plain and easie introduction to the mathematicks: In five parts. Viz [...].* - 2nd corr ed. [book]. - London: Printed for Tho. Horne [...], J. Woodward [...], and A Bettesworth, 1713. - [8], 451, [3] pages. [RKN: 40007]
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First published in Transactions of the Royal Academy of Sciences 27 [Sweden], Stockholm 1766 -- Translation presented by the Thule Insurance Company at 9th International Congress of Actuaries (1930) -- Features in S Haberman & T A Sibbett (ed), History of actuarial science (1995)

Waring, Edward (1785). *Meditationes analyticae*. [book]. - Cambridge: 1785. [RKN: 959]

- Waring's Miscellanea Analytica** (1730;1762). *De Moivre, A: Miscellanea analytica de seriebus et quadraturis*. London 1730: Waring, Edward: *Miscellanea analytica, de aequationibus algebraicis, et curvarum proprietatibus*. Cambridge 1762. [book]. 1730;1762. [RKN: 2776]
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- Watson, Reuben** (1878). *An explanatory treatise on the valuation of Friendly Societies*. [book]. 1878. [RKN: 9829]
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Library holds this fourth edition. First edition of Webster's Tables appeared ca. 1624; second edition, 1629; third edition 1634. -- This work bound with: The Treasurers Almanacke: Wherein with necessary Tables of Interest, the lenders gaine, and borrowers losse, of 10, 8, 7, 6 in 1000 are easily composed and demonstrated for the longiture and latitude of all places whatsoever. 1632. Being most necessary and helpfull in coine, value, waight and measure of all things. And properly referred and rectified to the Generall, Coronell, Knight, Merchant, Grocer, Goldsmith, Scrivener, Buyer, Lender, Artificer, Tradesman, Or, Nobleman, Commander, Gentleman, Mercer, Draper, Fishmonger, Usurer, Seller, Borrower, Clothier, Husbandman, and whoever eles. Also may fitly serve for the sea. This last edition corrected and amended. London: Printed by John Dawson, 1639. - [32] p.
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