Supplementary material.

A bibliography of Australian mathematics to 1960 with observations relating to the history of Australian mathematics

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File S1.

Lists
List 1—Chronological List of Publications to 1900 2
List 2—Alphabetical by Author List of Publications from 1901 to 1960 (Excluding Theses and Most School Books) 16
List 3—Alphabetical by Author List of Theses Leading to the Award of a Higher Degree, to 1960 37

Index 45

References (further to those in the main text) 56
LISTS

The main item, article HR19008, should be read first for a full understanding of what is included here. The superscript CH before an author’s name indicates that biographical information on that author is to be found in Counting Australia In.¹

List I—Chronological List of Publications to 1900

1. RUSSELL, JOHN WM. (18-?) Exercises and examples in expert arithmetic, Kealy & Philip, Sydney.
2. BOWDEN, THOMAS (1812) Bowden’s tables, Ferguson I, 532. [‘Their object is to ascertain at a momentary glance, the difference between sterling and currency … They are calculated with a degree of precision that must have occupied considerable time and attention …’, according to Ferguson. No copy known.]
3. CH BRISBANE, THOMAS MAKDOUGALL (1817) The following calculations of the reductions of English weights and measures, to those of France, and vice versa, …, Ferguson IV (Addenda), 670a. See also VIII, 670aa, 671, 673.
4. CH WENTWORTH, WILLIAM CHARLES (1819) A statistical, historical, and political description of the colony of New South Wales, and its dependent settlements in Van Diemen’s Land …, Ferguson I, 771. [Published in London. ‘The first original work published by an Australian author …’, according to Ferguson.] — (1820) [The same, second, enlarged edition.] Ferguson I, 802. — (1824) [Similar, third edition, in two volumes.] Ferguson I, 990. — (1840) [Similar, fourth edition (reprint of the second?).] Ferguson III, 3119.
5. POTTS, JOSEPH HYDE (1821) Table of factors for interest at eight and ten percent, Bank of New South Wales, Sydney.
6. — (1841?) Three tables of interested products, or factors, for four eight, and ten percent, J. Tegg and Co., Sydney.
7. BRINKLEY, REV. JOHN² (1825) The results of computations on astronomical observations made at Paramatta [sic], in New South Wales ... and the application thereof to investigate the exactness of observations made in the northern hemisphere, Ferguson VIII, 1002a, 1003. [Published in Dublin.]
8. CH RUMKER, CHARLES STARGARD³ (1828?) Observations for determining the absolute length of the pendulum vibrating seconds at Paramatta [sic], according to Borda’s method (in a letter to F. Bailey), Astronomical Society of London, London. [‘Includes formulae and mathematics used for observations, corrections and calculations’, from Trove notes.]

² John Mortimer Brinkley (1763 or 1766 – 1835) was the first Royal Astronomer of Ireland. Born in Woodbridge, Suffolk, he attended Cambridge University and graduated BA in 1788 as senior wrangler and Smith’s Prizeman. In 1792, he became the second Andrews Professor of Astronomy in the University of Dublin. (Taken from Wikipedia, where there is no suggestion of any other connection with Australia.)
³ Named in Counting Australia In as Christian Carl Ludwig Rümker, and described there (page 33) as Australia’s first practising mathematician.
9. **Cai Davies, John J.** (1831) *Tables for the use of schools; intended as an introduction to arithmetic, and adapted to facilitate the practice of mental calculation*, Ferguson IV (Addenda), 1426a. See also VIII, 1426a, 1427. [The first Australian school-book, of which a copy has survived’, according to Ferguson.]

10. **Horton, Robert Wilmot** (1831) *Lecture I. Delivered at the London Mechanics' Institution on the 15th of December, 1830: being the first of a series of lectures on statistics and political economy, as affecting the condition of the operative and labouring classes. With notes*, Ferguson IV Addenda, 1445aa(1). [Published in London.] — [Similar.] *Lecture II ... 22nd of December, 1830* ... Ferguson IV Addenda, 1445aa(2); *Lecture III ... 12th of January, 1831* ... Ferguson IV Addenda, 1445aa(3); *Lecture IV ... 10th [sic] of January, 1831* ... Ferguson IV Addenda, 1445aa(4); *Lecture V ... 26th of January, 1831* ... Ferguson IV Addenda, 1445aa(5) ['The possible earnings of a labourer in New South Wales referred to at p. 7’, according to Ferguson.]; *Lecture VI ... 23rd of February, 1831* ... Ferguson IV Addenda, 1445aa(6); *Lecture VII ... 9th of March, 1831* ... Ferguson IV Addenda, 1445aa(7); *Lecture VIII ... 16th of March, 1831* ... Ferguson IV Addenda, 1445aa(8) ['Want of labour in the Colonies of New South Wales and Van Diemen’s Land stressed, pp. 22-3’, according to Ferguson.]; *Lecture IX ... 23rd of March, 1831* ... Ferguson IV Addenda, 1445aa(9); *Lecture X ... 30th of March, 1831* ... Ferguson IV Addenda, 1445aa(10). — (1832) *Lectures on statistics and political economy, as affecting the condition of the operative and labouring classes* ... Ferguson IV Addenda, 1568a.

11. **Goodridge, Charles Medyet** (1832) *Statistical view of Van Diemen’s Land, comprising its geography, geology, climate, health and duration of life, divisions of the island, number of the houses, expences [sic] of the people, manufactures, habits, literature, amusements, roads, and public works, unappropriate [sic] land, commercial property, nature of plants and animals, price of labour, and other useful information, up to the year 1831, forming a complete emigrant’s guide*, Ferguson II, 1537. (See also II, 1536.) [Published in London.]

12. **Cai Lang, Rev. John Dunmore** (1834) *An historical and statistical account of New South Wales both as a penal settlement and as a British colony* (in two volumes), Ferguson II, 1806. [Published in London.] — (1837) [Same, second edition.] Ferguson II, 2289. — (1840) [Same, third edition.] Ferguson IV (Addenda), 3017a. — (1852) [Similar, in two volumes.] Ferguson VI, 11335. — (1875) [Similar, in two volumes, Vol. I, fourth edition.] Ferguson VI, 11384. (See also Ferguson VIII, 3017a, 3018, 3019, 3020, 3022, 3023, 3024, 3027, 3029.) — (1852) *An historical and statistical account of New South Wales: including a visit to the gold regions, and a description of the mines: with an estimate of the probable results of the great discovery*. Longman, Brown, Green & Longmans, London.

13. **Richardson, William** (1835) *A catalogue of 7385 stars, chiefly in the southern hemisphere: prepared from observations made in the years 1823, 1824, 1824 and 1826, at the observatory at Paramatta [sic]. New South Wales: founded by Thomas Makdougall Brisbane, the computations made and the catalogue constructed, H.M.S.O., London.

14. **Martin, Robert Montgomery** (1839) *Statistics of the colonies of the British Empire, in the West Indies, South America, North America, Asia, Austral-Asia, Africa

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4 ‘Sir Robert Wilmot Horton (1784 – 1841) … had a prominent part in the constitutional changes in New South Wales in 1823 …’ (Australian Dictionary of Biography)

15. FROME, EDWARD CHARLES (1840) Outline of the method of conducting a trigonometrical survey, for the formation of topographical plans ... with the explanation and solution of some of the most useful problems in geodesy and practical astronomy, to which are added a few formulae and tables of general utility for facilitating their calculation, Ferguson VIII, 2978a, 2979, 2980, 2983. [Published in London.] — (1850) [Second edition, slightly different title, ‘with an additional chapter upon colonial surveying ...’; published in London.] Ferguson IV, 5357b.

16. — (c.1850) Colonial Surveying, Ferguson IV, 5358. [See previous item; printed in Van Diemen’s Land.] (See also Ferguson VIII, 5358(rev.).)

17. THOMSON, EDWARD DEAS\(^5\) (1841) New South Wales – census of the year 1841, Colonial Secretary’s Office, Sydney.

18. MANSFIELD, RALPH (1841) Analytical view of the census of New South Wales for the year 1841; with tables showing the progress of the population during the previous twenty years, Ferguson III, 3246. — (1847) [Similar, ... for the year 1846 ... and an appendix.] Ferguson IV, 4592.

19. HAWKINS, REV. ERNEST (1842) The colonial church atlas, arranged in dioceses, with geographical and statistical tables, Ferguson III, 3420. [Published in London.] — (1845) [The same, second edition.] Ferguson III, 4058.

20. CURR, JOHN (1843) Statistics of banking, in the colony of New South Wales; the assets and liabilities of the banks, their capital and profits, according to their sworn returns, as they relate to the public and the shareholders; and a proposed remedy for the monetary distress of the colony, Ferguson III, 3595.


22. — (1856) Commerce and statistics of Victoria, from the commencement of the colony, Ferguson VII, 18417.

23. MACONOCHIE, ALEXANDER (1845) Criminal statistics and movement of the bond population of Norfolk Island, to December, 1843, Ferguson III, 4096. [Published in London.]


25. CROSSLEY, JOHN THOMAS, and MARTIN, WILLIAM (1846) The intellectual calculator or manual of practical arithmetic and a complete course of mental arithmetic, Ferguson IV, 4261a. (See also Ferguson VIII, 4261a(rev), 4264.)

26. NEISON, FRANCIS G. P. (1847) Analysis of the census of New South Wales, Ferguson IV, 4609.

\(^5\) Edward Deas Thomson (1800 – 1879) was born in Edinburgh and arrived in Australia in 1829 to take up an appointment as clerk to the Executive and Legislative Councils, New South Wales. He achieved eminence as a legislator and was Chancellor of the University of Sydney from 1865 to 1878.
27. MACKINTOSH, WILLIAM (1848) General statistical and commercial report of the province of Australia Felix, for the year ending 31st July, 1847, Ferguson IV, 4817.

28. DANSON, J. T. (1849) From the Journal of the Statistical Society of London, November, 1849. Some particulars of the commercial progress of the colonial dependencies of the United Kingdom during the twenty years, 1827 to 1846, Ferguson IV, 5027. [Published in London.]


30. WRIGHT, SAMUEL (1851) Discount or interest tables : for easy calculation of the amount of discount or interest for any number of days, at any rate per cent per annum, Adelaide.


32. HUTCHINS SCHOOL, HOBART TOWN (1852) Algebraical definitions and rules, for the use of the pupils in the Hutchins School, Hobart Town, Van Diemen’s Land, Ferguson VI, 10710.

33. — (1852) Arithmetical tables and rules, compiled for the use of the pupils in the Hutchins School, Hobart Town, Ferguson VI, 10711.

34. CAI ARCHER, WILLIAM HENRY (1854) The statistical register of Victoria, from the foundation of the colony; with an astronomical calendar for 1885, Ferguson V, 6076.

35. — (1858) Facts and figures; or, notes of progress, statistical and general, for Australasian circulation, Ferguson V, 6081.

36. — (1861?) Statistical notes on the progress of Victoria, from the foundation of the colony, 1835 – 1860, Ferguson V, 6082. — (1860 – 67) [Two similar works.] Ferguson V, 6083; (no year), Ferguson V, 6084.


38. REGISTRAR-GENERAL, VICTORIA (1855) Census of Victoria, 1854 : population tables, Government Printer, Melbourne. — (1857) [Same, ... 1857.] Government Printer, Melbourne. — [Similar, Census of Victoria, 1861.]

39. SANDS & KENNY (1857) The Victoria gold ready reckoner carefully revised : commencing at £3 and terminating at £4. 5s. 9d. per ounce, Sands and Kenny, Melbourne. — (1878) [Same title.] Sands and McDougall, Melbourne.

40. PUSELEY, DANIEL (1858) The rise and progress of Australia, Tasmania, and New Zealand : In which will be found increase and habits of population, tables of revenue and expenditure; commercial growth..., Warren Hall & Co., London.

41. ABBOTT, FRANCIS (1859) Meteorological observations taken at the observatory, Hobart Town, from January, 1856, to June, 1860, inclusive, Ferguson V, 5600. — [Seven other works containing meteorological observations.] (1861) Ferguson, V, 5601; (no year) Ferguson, V, 5602; (no year) Ferguson V, 5602a; (1866) Ferguson V, 5603; (no year) Ferguson V, 5604; (1872) Ferguson V, 5605; (1877) Ferguson V, 5606.

42. DURLACHER, ALFRED (1859) Report on the general statistics of the colony, for the year 1859, Registrar-General’s Office, Perth.
43. CAI GARDINER, MARTIN (1859) *Improvements in fundamental ideas and elementary theorems of geometry*, Mason and Firth, Melbourne.

44. — (1860) *The three sections, the tangencies and a loci problem of Apollonius and porismatic developments*, Mason & Firth, Melbourne.

45. — (c.1863) *Geometrical researches : in four papers comprising numerous new theorems and porisms and complete solutions to celebrated problems*, Philosophical Society of New South Wales, Sydney.

46. — (1876) *On practical geodesy*, Mason, Firth & McCutcheon (Royal Society of Victoria), Melbourne.

47. — (1883) *Solution to the celebrated fundamental question (hitherto unsolved) of dynamics*, Ferguson V, 9825.

48. — (1883) *Solution to one of the most celebrated questions (hitherto unsolved) in dynamics*, Ferguson V, 9826.

49. — (1883) *Determination of the motion of the solar system in fixed unalterable space*, Ferguson V, 9826a.

50. — Elementary organic geometry (preparatory to quaternions). [Described as ‘Ready for Publication’, *Argus* (17 January 1891). Unseen; no other references.]


52. MACKENNA, J. WILLIAM (1859) *The causes of the diseases of children; with a comparative table of infantile mortality in the Australian colonies*, Ferguson VI, 12042a.


56. KAVEL, REV. AUGUSTUS L. C. (1860) ‘… a neat pamphlet containing statistical accounts of [the Colony of South Australia] …’, according to Ferguson, Ferguson VI, 11050a. [‘Not seen’, probably published in London.]


58. CENSUS (1861) *Western Australia census, 31st of March 1861*, Registrar General’s Office, Perth.

59. CENSUS (1862) *Census of the colony of New South Wales : taken on the 7th April, 1861, under the Act, 24 Victoria, No. 5*, Government Printer, Sydney.

60. TABLES (1862) *Tables of difference of latitude and departure : constructed to every quarter of a degree of the quadrant …*, Government Printer, Sydney.

61. COLONIAL EMIGRATION SOCIETY (c.1863) *Objects, tables to show the average rate of wages, prices of provisions, cost of passages, and necessary outfits. Descriptions of the products of the different colonies and their prospects as a guide to intending emigrants*, Ferguson V, 8498, 8499.

63. C. F. VON NEUMAYER, GEORG BALTHASAR (1864) Results of the meteorological observations taken in the colony of Victoria, during the years 1859 – 1862; and of the nautical observations collected and discussed at the Flagstaff Observatory, Melbourne during the years 1858 – 1862, Government Printer, Melbourne.

64. McCARTHY, CHARLES (1865) On the excessive mortality of infants and its causes: with statistical tables, George Robertson, Melbourne.

65. ADAMS, WALTER MARSHAM (1866) Outlines of geometry; or, the motion of a point. An introductory treatise on the difficulties of elementary geometry, and the general principles of the higher plane curves, with especial reference to Euclid’s Elements, Ferguson V, 5660.

66. HULL, HUGH MUNRO (1866) Statistical summary of Tasmania, from the year 1816 to 1865 / compiled from government gazettes, blue books, and statistical tables, Government Printer, Hobart Town.

67. SMYTH, ROBERT BROUGH (1866) Mining and mineral statistics, Blundell & Ford, Melbourne.

68. ADELAIDE LIFE ASSURANCE AND GUARANTEE COMPANY (1867) Tables of premiums for the insurance of lives or the granting of annuities, David Gall, Adelaide.

69. CENSUS OF SOUTH AUSTRALIA (1867?) Census of South Australia, March 1866: summary tables, Government Printer, Adelaide (1867?).

70. WICKES, EDWARD WALTER (1867) Arithmetic for Australian beginners, David Gall, Adelaide.

71. COLE, EDWARD WILLIAM (1870) Cole’s commercial tables: consisting of reckoning, interest, annuity, money, weights, measures, and other tables, E.W. Cole, Melbourne.

72. KNIGHT, W. (1870) Census of the colony of Western Australia, taken at the 31st March, 1870, as also the general statistics of the colony, for the ten years ending 31st December 1869, Registrar-General’s Office, Perth.

73. THOMSON, WILLIAM (1870): On phthisis and the supposed influence of climate: being an analysis of statistics of consumption in this part of Australia with remarks on the cause of the increase of that disease in Melbourne, Stillwell & Knight, Melbourne.

74. C. F. PELL, MORRIS BIRKBECK (1871) On the constitution of matter, Ferguson VI, 13996. [‘… an attempt is made to account for some of the properties of matter upon mechanical principles’, according to Ferguson.]

75. — (1876) Rates of mortality and increase of the population of New South Wales, Ferguson VI, 13997. [‘Reprinted from The Sydney Morning Herald,’ according to Trove.]

76. SLATER (1871) Slater’s Queensland table book, Brisbane.


78. — (1871) Radiant energy in relation to the spectrum, in ‘Lectures delivered in the lecture room of the Museum, during the autumn session of 1870’, Samuel Mullen, Melbourne.
79. HAMILTON, ARCHIBALD (1872) *On the colonies: a paper read before the Statistical Society, 19th March, 1872*, Ferguson VI, 10179c. [Published in London.]


81. INSTITUTE OF ACTUARIES (1872) *Life tables*, Institute of Actuaries.

82. SOCIETY FOR THE DISSEMINATION OF KNOWLEDGE (1872) *Statistical inquiries into the efficacy of prayer … by a Society for the Dissemination of Knowledge*, Ferguson VII, 16152.

83. RUSSELL, JOHN WILLIAM (1873?) *Instructions for use of the arithmetigram*, George Robertson, Melbourne.


85. HOPKINS, JOHN H. A. (1873) *Tables of the values of 4, 5, & 6 per cent, 100 debentures whereby calculations relating to these bonds are much simplified, each case being calculated for nine return rates proceeding by one-eighth per cent. per half-year*, …, Ferguson VI, 10536.

86. WHITTON, HENRY W. (1873) *A new ready reckoner, calculated on the decimal system: in a series of 23 sections, comprising 183 tables, for showing the per centage of cost on charges on goods …*, Henry W. Whitton, Melbourne.

87. GROVES, GEORGE WAKEFIELD (1873) *G. W. Groves' weather tables for the year 1874: and an account of the transit of Venus*, Dunn, Carter, Melbourne.

88. BALL, ISAAC WARREN (1874) *Handbook of examination papers in arithmetic and algebra: being questions proposed to candidates at the matriculation examinations of the University of Melbourne, 1864 to 1874*, Samuel Mullen, Melbourne. — (1874) *Answers to questions in handbook … with solutions, hints, &c.*, Samuel Mullen, Melbourne. — [Similar, … 1874 to 1878, … 1878 to 1883.]

89. CAIPIRANI, FREDERICK JOY (1874) *On some processes of scientific reasoning*, Royal Society of Victoria, Melbourne.


92. NOWELL, EDWIN CRADOCK (1875) *On the vital statistics of Tasmania, with especial reference to the mortality of children*, Ferguson VI, 13498.


95. MELCHIORE, C. (1877) *The rythmical [sic] and reformatory school: the divinism, or, the only social doctrine mathematically demonstrable as true, and therefore acceptable as moral and eternal*, E. Purton & Co., Printers, Melbourne.
96. SUTHERLAND, ALEXANDER⁶ (1877) *On the probability that a connexion of causation will be shown to exist between the attraction of gravity and the molecular energy of matter*, Royal Society of Victoria, Melbourne.


98. BOOTHBY, JOSIAH (1876) *Statistical sketch of South Australia*, Ferguson V, 7283. — (1879) [The same.] Ferguson V, 7283a. — (1876) [Similar.] Ferguson V, 7284.


100. — (1883) *Census of Victoria, 1881 : general report, with summary tables, diagrams, and maps*, Government Printer, Melbourne.

101. CAI ANDREW, HENRY MARTYN and CAI PIRANI, FREDERICK JOY (1878) *Euclid, books I and II, with symbols, notes and exercises*, Mason, Firth and McCutcheon, Melbourne. — (1879) [The same, second edition, revised.] — (1882) [The same, third edition, enlarged to include Book III. (Book III also published separately.)] — (1892) [The same, further editions until the ninth.]


105. TURNER, E. W. (1878) *Remarks on a method proposed to be used for defining the direction of lines in surveying*, Tumut and Adelong Times, Tumut, N.S.W.


109. — (1884) *The history of electro-magnetism; a discourse delivered at the annual commemoration of the University of Adelaide*, Ferguson VI, 11290.

110. — (Undated) [*Exercise books*]. Unpublished. [Catalogue entry: ‘Contents – (1) Kinematics of rigid bodies – Statics – Dynamics (Three Dim’ns) (2) Dynamical problems.’]

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⁶ Sutherland (1852 – 1902) was born in Glasgow, moved to Melbourne with his family in 1870 and by 1875 had an MA from the University of Melbourne. He became mathematics master at Scotch College and, from 1877 to 1892, was headmaster of Carlton College. He turned then to journalism and politics. ‘He also had a talent for sketching, a profound knowledge of music and a good baritone voice.’ (*Australian Dictionary of Biography*)

112. HAYES, WILFRID (188?) *E.P.C. individual arithmetic practice cards : standard 1*, Cassell & Company, Limited, Melbourne. [‘48 cards plus one folded card with answers,’ according to Trove.]

113. ALBRECHT, C. E. (1880) *Measurements and dimensions of tanks and dams, with instructions for their setting out and calculation, illustrated by diagrams, and furnished with carefully compiled tables*, Ferguson V, 5796. — (1885) [The same, second edition.] Ferguson V, 5796a.

114. NANSON, EDWARD JOHN (1880) *Proportional representation*, Melbourne (Royal Society of Victoria). — (1900) [The same.] Melbourne. [‘Includes, loosely inserted single leaf ms. list of “Resolutions” favouring the adoption of the Nanson system and “the formation of a League to further that object”’, from Trove.]


118. — (1900) *The real value of a vote and how to get it at the coming federal election*, Ferguson VI, 13057.

119. STATE SCHOOL TEACHER (1880) *Arithmetical recreations with abstract numbers : in simple rules, fractions, common measures and multiples, proportion, binomial coefficients, series, figurate numbers, combination, &c / by a State School teacher*, Victoria.

120. BURSTON, JOHN J. (1881) *The state school arithmetic arranged to suit the requirements of the programme of instruction issued by the Education Department, G. Robertson, Melbourne."

121. — (1884) *Burston’s exercises in practice and proportion : containing over 1,000 questions for use in fifth and sixth classes in the State Schools of Victoria, George Robertson & Co. Melbourne.*

122. CRELLIN, WILLIAM (1881) *Crellin’s complete traverse table*, George Robertson, Melbourne.


125. — (1886) *On the possibility of the force producing gravitation not acting directly on every particle of a planet*, Ferguson VII, 18031.

126. JAMIESON, JAMES (1882) *Contributions to the vital statistics of Australia*, Sydney.

127. RICHARDS, THOMAS (editor) (1882) *New South Wales in 1881; being a brief statistical and descriptive account of the colony up to the end of the year, extracted chiefly from official records*, Ferguson VII, 14892.

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128. H., J. B. (1883) Ballaaratania, 1881 – 3. Descriptive notes & statistics. An answer to a Londoner’s question ‘What sort of place is this Ballaarat [sic] which you have been blowing so much about’, Ferguson VI, 10154b.


130. FORREST, JOHN (1884) Notes on Western Australia, with statistics for the year 1883, Ferguson V, 9682. — (1885) [The same, … for the year 1884.] Government Printer, Perth. — (No year) [The same, … for the year 1885.] Ferguson V, 9684.

131. LAWRANCE, CHARLES (1884) Ready reckoner of agents’ commissions on land sales and money loans, in regular progression of single pounds sterling, from ten pounds up to five thousand pounds, Ferguson VI, 11488.


133. LIVINGSTONE, R. (1886) Handbook of examination papers in arithmetic and algebra being questions proposed to candidates at the matriculation examination of the University of Melbourne, 1881 to 1885, with answers and hints for the solutions, Samuel Mullen, Melbourne. — (1891) [Similar, … 1887 to 1890.] Ferguson VI, 11675.

134. HARTLEY, JOHN ANDERSON (1887) Teachers’ manual of elementary arithmetic. Part I (the numbers from 1 to 12), Ferguson VI, 10271. — (1888) [Similar, … Part II (the numbers from 1 to 100).] Ferguson VI, 10272. — (1898) [Similar, … Part 3, The numbers from 1 to 1,000.] Education Department, Adelaide. 1898. — (1904) [Many further versions.]


136. SPARK, JAMES L. (1887) Table of areas for rectangular allotments of from 1 foot to 100 feet frontage by 1 foot to 100 feet in depth, F.J. Ridley, Petersham, N.S.W.

137. WARREN, WILLIAM HENRY (1887) The strength and elasticity of New South Wales timbers of commercial value, Ferguson VII, 18203.


141. — (1892) Childbirth in New South Wales : a study in statistics, Government Printer, Sydney. — (1900) [Similar, …. Illustrated by eight diagrams.] Ferguson V, 8426

142. — (1894) Results of a census of New South Wales taken for the night of the 5th April, 1891, Government Printer, Sydney. — (1894) General report on the eleventh census of New South Wales, Ferguson V, 8418.


144. — (1898) Statistics of the seven colonies of Australasia. 1861 to 1897. Compiled from official sources, Ferguson V, 8424.

145. — (1898) Deaths in childbirth in New South Wales, Ferguson V, 8425.
146. **CAI THRELFALL, RICHARD (1888?)** Notes on elementary dynamics, Gibbs, Shallard & Co. for University of Sydney, Sydney.

147. **CAMPBELL, FREDERICK ALEXANDER (1889)** Notes, and tables relative to the strength of materials, Melbourne. — (1891) Notes on columns, with table, Melbourne. [Engineering pamphlets.]


149. **BERGLIN, C. E. (189?)** Berglin’s condensed logarithmic tables : pocket size, for ready reference, C. E. Berglin, Sydney. ['Consists of 3 small sheets of cardboard, printed on both sides with tables’, according to the catalogue.]

150. **CASSEL (189?)** Cassel’s universal model table book : introducing new features, and specially arranged to lead children from simple to complex tables, and to acquire a thorough knowledge of simple numbers and money tables, Cassel & Company, Melbourne.

151. — (189?) Cassell’s mental arithmetic and table book : for use in schools in Australasia : specially arranged to suit the purposes of instruction, Cassel & Company, Melbourne.

152. **COX, J. CHARLES (189?)** How to do business, or, the royal road to success including Rothschild’s golden rules : also, how to remember facts, figures, poetry, prose, and telephone numbers : a short, easy, and wonderful system; and, how to do figures, Ferguson V, 8789.


155. — (1899) The puzzle king, H.J. Diddams, Brisbane. ['Amusing arithmetic, …', according to Trove.]

156. **TREGARTHEN, GREVILLE (1890)** New South Wales, 1860 to 1889 : a statistical sketch, Sydney.


158. **BORTHWICK, THOMAS (1891)** A contribution to the demography of South Australia, Bailliere, Tindall and Cox, London. ['Being the thesis presented to the University of Edinburgh for the degree of M.D., and deemed worthy of competing for the gold medal’, from the catalogue.]

159. **CAI KNIBBS, GEORGE HANDLEY (1891)** Prize essay on the nature and public utility of trigonometrical, general and cadastral survey, Ferguson VI, 11219.

160. **MAKINS, EDWARD (1891)** Determinate & indeterminate right-angled triangles, sums of cubes & squares, interest examples, Hall & Sons, Geelong.
161. SMITH, THOMAS (1891) *Arithmetical tables for junior scholars* ..., H. Hely, Sydney.

162. TEBBUTT, JOHN (1891) *Results of meteorological observations made at the private observatory of John Tebbutt, The Peninsula, Windsor, N.S.W. in the years 1886, 1887, 1888, 1889 & 1890*, Sydney.


164. TISDALL, HENRY THOMAS (1891) *Answers arithmetic questions: State school examination papers, year 1890*, Mills & Co., Melbourne. ['Can only be obtained by Teachers in person at ... by letter from Henry Thos. Tisdall...', from the catalogue.]

165. WILLOUGHBY, HOWARD (1891) *Australian federation, its aims and its possibilities: with a digest of the proposed constitution, official statistics, and a review of the National Convention*, Sands & McDougall, Melbourne.

166. CAd BRAGG, WILLIAM HENRY (1892) *Address by the President, W.H. Bragg, M.A. Section A, Astronomy, mathematics, physics, and mechanics*, Australian Association for the Advancement of Science, Hobart.

167. CAd FLEURI, GASTON (1892) *On certain geometrical operations, Part 1*, Royal Society of New South Wales, Sydney.

168. CAd JOHNSTON, ROBERT MACKENZIE (1892) *Australasian statistics for year 1891, with introductory observations. Compiled from returns furnished by the Governments of the various colonies*, Ferguson VI, 10969a.

169. NESBIT, EDWARD PARIS (1892?) *On chance, lots and lottery*, Ferguson VI, 13134.

170. GILL, HARRY PELLING (1893) *Practical plane geometry. An elementary course of instruction for the art student, designer, mechanic, and artizan [sic]*, Ferguson V, 9917. — (1900) [The same, second edition.] Ferguson V, 9919. — (1927) [Similar, adapted as Practical plane and solid geometry.] Education Department, South Australia.

171. HUXTABLE, L. RALSTON (1893) *Snake-bite, recent statistics and a review of recent observations*, Ferguson VI, 10723a.


173. — (1901) *The elements of Euclid: book I*, Angus & Robertson, Sydney. [Also, ... books V – VI.]


175. — (1898) *Octonions, a development of Clifford’s bi-quaternions*, Cambridge.


178. — (1899?) Angus & Robertson’s geography. Part II, Europe, Asia, Africa and America: with definitions in mathematical geography: for use in Australian schools, Angus & Robertson, Sydney.

179. EXAMINATION PAPERS (1894) Examination papers in arithmetic, 1893: class III, Education Dept., South Australia.

180. HARRIS, CHARLES HOPE (1894) Limits of error in surveying, South Australian Institute of Surveyors, Adelaide.

181. MILLER, DAVID (1894) A handbook of the volumes and mean areas of tanks, &c.: whether prismatical or circular, spheres, zones and solid rings, &c., Walker, May & Co., Melbourne.


183. MORRISON, SAMUEL (1895) The New South Wales public school arithmetic for third class, George Robertson, Sydney.

184. NEWMAN, GEORGE GOUGH (1895) Preliminary arithmetic, Vardon and Pritchard, Printers, Adelaide.

185. SCOTT, Professor (1895) The doctrine of chance: investment, speculation and gambling: horseracing, how to make a book, betting systems, Chinese lotteries, sweeps and consultations, the gambler’s dictionary, problems and peculiarities in probabilities, games of chance, &c., &c., McCarron, Stewart & Co., Sydney. [Perhaps this is John Scott, items 153–155.]


188. HARPER, WALTER R. (1897) Simple anthropometrical measurements, Ferguson VI, 10253.

189. — (No year) Notes on the measurements of the Tasmanian crania in the Tasmanian Museum, Ferguson VI, 10253b.

190. RIX, HENRY FINCH (1897) The pictorial method of teaching the first steps in arithmetic (advanced kindergarten), G. Robertson, Melbourne.

191. STATISTICAL TABLES (1897) Statistical tables bearing on the question of federation: compiled in the office of the Government Statist of Victoria, Government Printer, Melbourne. [Also, Further statistical tables ...]

192. SOUTH AUSTRALIA, EDUCATION DEPT. (1897) Examination papers in arithmetic, 1896. Class II, Education Department, Adelaide. [Many versions.]


194. SOUTH AUSTRALIA, EDUCATION DEPARTMENT (1899) Arithmetic and geometry for pupil teachers, Education Dept., Adelaide.

195. BENNETT, W. (1899) Mental arithmetic containing 2800 questions arranged for all classes, E.S. Wigg & Son, Adelaide, Perth.
196. FORSYTH, ARCHIBALD (c.1899) *The statistics of the imports and exports of New South Wales*, Ferguson V, 9695c.


List 2—Alphabetical by Author List of Publications from 1901 to 1960 (Excluding Theses and Most School Books)

201. ABBOTT, WILLIAM EDWARD (1913) *The rabbit pest and the balance of nature: an experiment and a mathematical analysis*, Angus & Robertson, Sydney.


204. — and FARLOW, B. N. (1942) *Mental practice exercises in algebra for first year classes in secondary schools*, Reg. C. Pogoski, Newcastle, N.S.W.

205. — (1946) *First steps in co-ordinate geometry*, Davies & Cannington, Newcastle, N.S.W.

206. — (1949) *First steps in geometry: a complete course for first-year classes in secondary schools*, Davies & Cannington, Newcastle, N.S.W.


208. ALLAN, ROBERT MARSHALL (1928) *Report on maternal mortality and morbidity in the state of Victoria, Australia*, Melbourne.


212. BAILEY, VICTOR ALBERT (1959) *Multiplication and the taking of square and cube roots*, Commonwealth Experimental Building Station, North Ryde, N.S.W.

213. BANA, JOHN (19??) *Mental arithmetic, stage 6*, Sutherland Education Support Centre, Dianella, Western Australia. [In braille.]


218. BARRACLOUGH, HENRY (1921) *Abridged mathematical tables: arranged primarily for the use of students of the University of Sydney: Parts 1 and 2*, Angus &

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8 See Field, Speed, Speed and Williams (1988).
Robertson Ltd, Sydney. — (1934) *Abridged mathematical tables* : arranged primarily for the use of university students and of candidates for the matriculation and public examinations, parts I and II, Angus & Robertson, Sydney. [Also, 1945, 1951, 1960.]


221. BATES, DAISY (1907) *Efforts made by Western Australia towards the betterment of her aborigines* / compiled from statistics, records, etc., Government Printer, Perth.


223. BENNETT, JOHN HENRY (1950) *A mathematical study of random mating in autotetraploids*, University of Melbourne, Melbourne.

224. BERRY, RICHARD JAMES ARTHUR and BÜCHNER, L. W. G. (1913) *The correlation of size of head and intelligence : as estimated from the cubic capacity of brain of 33 Melbourne criminals hanged for murder*, Royal Society of Victoria, Melbourne.

225. BERTILLON, JACQUES (1907) *The nomenclature of diseases and causes of death / as revised and adopted in 1900 by the International Commission and published by Jacques Bertillon, together with a guide for tabulation in cases where more than one cause of death is assigned ...*, Commonwealth Bureau of Census and Statistics, Government Printer, Melbourne.


227. BLACK, EUSTACE COUPER *Notebooks of Professor Bragg’s physics lectures*, Lectures by William Henry Bragg, attended by Eustace Black for first year Physics in 1906. [See more in Trove.]


229. BRAY, CHRISTOPHER (1924) *Method of teaching simple and compound subtraction and simple multiplication : following the natural order of thought by working from the higher to lower denomination*, Public School, North Adelaide.

230. BRIDGEN, JAMES BRISTOCK (1931) *P.P.: on purchasing power and the pound Australian : an outline of the meaning of purchasing power, together with a summary of the present economic position of Australia, with brief statistical notes*, Government Printer, Brisbane.


244. BURSTON, JOHN J. (1909) Factors of numbers and how to find them: for merit and scholarship candidates and other students, Whitcombe & Tombs, Melbourne.

245. CALDWELL, AGNES E. (1922) The simplicity of number: being a new, rational, simple and effective system of teaching the principles of elementary number, Bookman Press, Sydney.


247. CAMPBELL, REGINALD HARRY (1935) Some statistics concerning cricket casualties: (showing batsmen struck by bowlers in test matches between England and Australia), Australian Broadcasting Commission, Sydney?


249. CARSLOW, HORATIO SCOTT (1904) An introduction to the infinitesimal calculus: notes for the use of students in the University of Sydney, Angus & Robertson, Sydney. — (1905) [Similar, ... notes for the use of science and engineering students.] Angus & Robertson, Sydney. [Later editions 1912, 1924, 1935, 1943, 1947.]

250. — (1906) Introduction to the theory of Fourier’s series and integrals and the mathematical theory of the conduction of heat, Macmillan and Co., London. [The second edition was split into two volumes. See items 260, 261.]


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9 This and the following two items include information from Jeffreys (1977).


255. — (1914) The teaching of mathematics in Australia: report presented to the International Commission on the Teaching of Mathematics, Angus & Robertson, Sydney. [There is an eight-page summary in Counting Australia In, pages 350 – 357.]


271. — and RYLAH, MARGARET (1937) *A report on the first year performances of entrants for full degree courses in arts, science, laws, medicine, engineering, agriculture and commerce in the years 1929 – 1936: a statistical investigation ...*, University of Melbourne, Melbourne.


278. COLLENS, WILLIAM JOHN FRANCIS (1941?) *Banks create nothing: the monetary system is merely applied mathematics*, W.J.F. Collens. Melbourne.

279. COLVILLE, ANDREW B. and ANDERSON, PERCIVAL N. W. (1933) *A numerical trigonometry*, Dymocks Book Arcade, Sydney. [Four later editions (1943, 1946, 1949, 1953) have the surname ‘Andersen’, according to Trove.]


282. — (1907) *Determination of the population of Australia for each quarter from 31st December 1900 to 31st December 1906*, CBCS, Melbourne.


284. — (1938) *Trends in women’s work*, CBCS. [‘Paper presented by Dr. A. Smithies at the First interstate Conference of the Council of Action for Equal Pay ...’, from Trove.]


286. COMMONWEALTH BUREAU OF METEOROLOGY (1929) *Results of rainfall observations made in Western Australia: Including all available annual rainfall*

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10 Clarke (1828 – 1914) was a noted British geodesist.
totals from 1374 stations for all years of record up to 1927, with maps and diagrams; and record of notable meteorological events; also appendices, presenting monthly and yearly meteorological elements of Perth, Broome and Kalgoorlie, H.J. Green, Melbourne.


290. — and C. H. JAMES, ALAN TRELEVAN (1945 – 1946) *Lectures on mathematical statistics*, University of Adelaide, Adelaide. [Catalogue notes: ‘…These copies of Cornish’s original lecture notes were made at his request for Alan James, his successor to the Chair at Adelaide, who as a post-graduate student was asked to deliver them in 1946; and include some additional sections by James on regression and analysis of variance.’]


293. DEAN, WILLIAM RUPERT and JOLLY, H. (1933) *Perspective (theory and practice of linear, freehand and architectural perspective and the projection of shadows) and geometrical drawing (practical plane and solid geometry, isometric projection and development)* …, Oxford University Press, Melbourne.

294. DENCH, GEORGE EDWARD (1904) *Commercial arithmetic*, Angus and Robertson, Sydney, Melbourne.


300. C. H. FINUCAN, HENRY MAURICE (1951) *Introduction to calculus*, University of Queensland Press, Brisbane.


303. — (19??) Arithmetic comes to life: the teachers’ guide on the Flanagan system of number training, Education Division of the Advertiser, Adelaide.

304. FOWLER, ROBERT: First annual analysis of clinical cancer statistics. Royal Australian College of Surgeons, Melbourne. 1941; Trove.


308. GIFFORD, JOHN KING (1928) Economic statistics for Australian arbitration courts: explanation of their uses, criticism of existing statistics and suggestions for their improvement, Macmillan, Melbourne.

309. GILLINGS, RICHARD JOHN and OUTTEN, VICTOR REUBEN (1940) Mathematical tables for secondary schools, R. Goodwin, Belmore, New South Wales.


313. [CAI HALL, PETER GAVIN] (1948) On the extreme values of a sample from the domain of attraction of a stable law, Department of Statistics, University of Melbourne, Melbourne.¹¹


318. HEATH, HARRY FREDERICK (1952) Desk book of everyday tables and mathematical information, Angus and Robertson, Sydney.


¹¹ The book is the 16-page Report (University of Melbourne, Department of Statistics); no. 1, 1978. The name of Peter Hall (1951 – 2016) is given, in brackets as here, as the author in the University of Melbourne Library catalogue. It is stated there as published in 1948. That is presumably a misprint, and the item most likely does not belong in this bibliography.
321. HIRSCHHORN, JEREMY (1957) Engineering mechanics: principles of kinematics and dynamics, 5.32, ‘Published by the New South Wales University of Technology by the University of Technology Students’ Union’, Sydney.

322. HOLLINGS, EDMUND J. (1924) Term sale tables: for selling real estate by instalments of principal & interest, financing sales by second mortgage or contract only, checking balances, charging up interest, &c: for finding time in which balance can be repaid…, Law Book Co. of Australasia, Sydney.


327. HUNT, HENRY AMBROSE (1908) Results of rain and river observations made in New South Wales during 1903–1908 with maps and diagrams: and including all available annual rainfall totals up to the end of the year 1908 from 2,298 stations, Commonwealth Bureau of Meteorology, Melbourne. — (1916) [Similar, … during 1909–1914.]

328. — (1914) Results of rainfall observations made in Queensland: including all available annual rainfall totals from 1040 stations for all years of record up to 1913 …, Commonwealth Bureau of Meteorology, Melbourne.


334. CAIJULIUS, GEORGE ALFRED (1920) Mechanical aids to calculation, Sydney.


336. KAYE, GEORGE WILLIAM CLARKSON and CAILABY, THOMAS HOWELL (1911) Tables of physical and chemical constants and some mathematical functions, Longman, London. [Ten editions up to 1948; many subsequent editions ‘now prepared under the direction of an editorial committee’ (Trove).]

12 A referee asserts that ‘[n]either the author nor the content has anything to do with Australia.’ This is appreciated. How the book came to be published in Australia is not known.


341. KERR, FRANK ROBISON (1924?) *An inquiry into the morbidity statistics of the Victorian state school teachers during the years 1914, 1920, 1921 and 1922*, Division of Industrial Hygiene of the Commonwealth Department of Health, Melbourne.

342. KIMBALL, REGINALD STEVENS (1945) *Practical mathematics in four volumes*, Sydney.


345. — (1907) *The classification of disease and causes of death from the standpoint of the statistician : an address given to the Victorian Branch of the British Medical Association, June 12, 1907*, British Medical Association, Melbourne.


348. — (1908?) *Statistical opportunities of the medical profession and tuberculosis duration frequency curves and the number of existing cases ultimately fatal*, Commonwealth Bureau of Census and Statistics, Melbourne.

349. — (1909?) *On the nature of the curve y = A x^m e^{nx^p} (transcript).* — (1911) *Studies in statistical representation : on the nature of the curve y = A x^m e^{nx^p}*, Commonwealth Bureau of Census and Statistics, Melbourne.

350. — (1910) *The problem of statistics : address / by the President of Section G½* [Australasian Association for the Advancement of Science], Government Printer, Brisbane.


359. — (1913) Voices of the North, and, Echoes of Hellas, Alston Rivers, Ltd, London. ['Compilation of translations of Finnish and German poems, with 3 poems by the author', from Trove.]
362. — (1918) The history and development of the statistical system of Australia, Macmillan, New York.
364. — (1925?) Whither is Australia drifting? Town and Country Union (Victorian Branch), Melbourne.
365. — (1928) The shadow of the world’s future, or, The earth’s population possibilities & the consequences of the present rate of increase of the earth’s inhabitants, E. Benn, London.
367. LAYTON, ROGER ALEXANDER and CAI THORNTON, BARRY STEPHEN (editors) (1960) Linear programming in practice : proceedings of a seminar held at the University of New South Wales, 11th April, 1960, University of New South Wales, Kensington, N.S.W.
369. LE FANU, BRINSLEY and STEAD, WILLIAM THOMAS (191?) Twice one are two, or, Arithmetic in rhyme : More nursery rhymes, Review of Reviews Office, Melbourne.
370. LOVE, E. R. 13 (Year not known) Indices and logarithms from intermediate to matriculation. No publication details.

13 Possibly CAI Eric Russell Love.


374. MARTIN, OWEN (1948?) *Occupational materials for number*, Sydney.

375. MASSEY, HARRIE STEWART WILSON (1930) *The scattering of electrons, photons, atoms and molecules by molecular hydrogen*, Typescript. [Written for the Professor Wilson Prize, 1931.]


385. McKAY, MAXWELL HUBERT14 and KEANE, AUSTIN (1960) *Resonance absorption in homogeneous and heterogeneous systems*, University of New South Wales, Institute of Nuclear Engineering, Sydney.


389. MELDRUM, HENRY JOHN (1934) *An investigation into secondary school mathematics : an analysis of the results of mathematics I paper, intermediate*
certificate examination, New South Wales, 1931, Melbourne University Press, Melbourne.


392. MERFIELD, CHARLES JAMES (1917) *Tables to facilitate the location of the cubic parabola*, Royal Society of New South Wales, Sydney.


399. CAI MOORS, ELPHINSTONE McMAHON and DAY, WILLIAM REGINALD (1901) *On the rates of mortality in New South Wales and Victoria and the construction of a mortality table from a single census and the deaths in the years adjacent thereto*, Institute of Actuaries, London.


403. MORTON, GEORGE MANUEL (1937) *Algebraic factors: their uses in multiplication and subtraction of fractions, also in quadratic equations*, Shakespeare Head Press, Sydney.


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15 Worth a mention, although Miles did not come to the Australian National University until a few years later.
407. CAI Nanson, Edward John (1904?) How to secure majority rule: an easy, natural, and truthful way of voting: majority members do not mean majority rule: how to get unanimous constituencies, Melbourne.

408. — (1910) The proxy vote: a paper read before the above association [i.e. Australasian Association for the Advancement of Science], Government Printer, Brisbane.

409. NEW SOUTH WALES SURVEYOR GENERAL (1942) Tables of natural sines and cosines to every 10”, with proportional parts for reduction to every 1”, Acting Government Printer, Sydney.

410. NEW SOUTH WALES DEPARTMENT OF MAIN ROADS (1948) Tables of natural sines, tangents, secants, cosines, cotangents, and cosecants to every 10” : with proportional parts for reduction to every 1” ... by arrangement with the Surveyor General, New South Wales, Government Printer, Sydney. — (1959) [Similar.]


412. NO NAME (19??) Australian maths braille code, Royal Blind Society of New South Wales, Sydney.

413. — (1901) Aboriginal numerals: Gooninee numerals and method of counting, Queenslander. (*Gives words from 1 – 20: Woorokoobooroo Pokinbull a large number of men*, from Trove.)


415. — (1919) Australian Imperial Force: statistics of casualties, etc. compiled to 30th June, 1919, Records Section, A.I.F. Headquarters.


417. — (1921) The Adelaide exercises in arithmetic: Grade III, Compiled by a committee of teachers to meet the requirements of the new course of instruction. Education Dept., Adelaide. [Also, ... Grade II, 1926.]


419. — (1925) Notes on the mathematics syllabus of the Schools Board / by members of the Mathematics Committee, Melbourne University Press, Melbourne.


422. — (193-) Southern Cross table book: giving all the work required by scholars and containing also mathematical short cuts and a large amount of other useful information not to be found in any other similar work, Whitcombe & Tombs, Melbourne.

423. — (1936) The curriculum for primary schools, Western Australian Education Dept., Perth. [Numerous versions.]


426. — (1944) *The method of teaching arithmetic*, Education Department, Victoria.

427. — (1945) *Arithmetic for everyday use / Australian Army Education Service*, A.A.E.S., Melbourne?

428. — (1946) *Brief instructions in the use of the W & G ‘Dualface’ comprehensive slide rule, model 432*, W & G Record Processing Co., Melbourne. [Also, ... *the W & G Dualface shipping freight and general purpose slide rule, model 465.*]


433. O’NEILL, WILLIAM MATTHEW (19??) *Notes on elementary statistics in psychology*, University Cooperative Bookshop, Sydney.

434. ORR (1949) *Orr’s arithmetic chart*, E. S. Wigg & Son, Perth. [Three-page leaflet.]


438. PHILLIPS, JAMES (190?) *The South Australian table book*, Scrymgour and sons, Adelaide.


441. PIESS, EDMUND LEOLIN (1912–13) *The theory of the quota in proportional representation I*, Government Printer (Royal Society of Tasmania), Hobart. — (1913) [Same, ... *II.*] Government Printer, Hobart.

442. POLLOCK, FREDERICK GEORGE (1945?) *An introduction to analytical geometry*, William Brooks, Sydney.


444. PORTER, GEORGE (1929) *ABC of Queensland and Australian statistics*, Attorney-General’s Department, Brisbane.

446. **POWELL, HAROLD KERR** (1951) *Projection methods and co-ordinate geometry of two dimensions*, University of Queensland Press, Brisbane.

447. **PRIESTLEY, HENRY JAMES** (1921) *The theory of relativity* (Presidential Address), Report of meeting, Australasian Association for the Advancement of Science, Hobart.¹⁶


449. **REAY, ALBERT EDGAR** (1925) *New syllabus senior primary arithmetic for sixth classes: a new system of teaching arithmetic by number values and practical demonstration*, Brooks, Sydney. — (1925) [Similar, ... junior arithmetic for third & fourth classes ...] Brooks, Sydney.

450. **REICHEL, ALEX** and **KEANE, AUSTIN** (1960) *Topics in advanced mathematics*, University of New South Wales, Institute of Nuclear Engineering, Sydney.

451. **RICHARD, GEORGE ANDERSON** (1910) *Statistics and economics ... ; presidential address*, Australian Institute of Mining Engineers, Melbourne.


455. **ROSS, ALEXANDER DAVID** (1923) *A popular introduction to Einstein’s theory of relativity: with an account of the tests made by the Wallal Solar Eclipse Expedition*, E.S. Wigg, Perth.

456. **ROSS, ALEXANDER DAVID** (1923) *Modern acoustical science*, University of Western Australia, Perth.

457. **ROTH, W.** (194?) *Brief instructions on the slide rules*, Frank G. O’Brien Pty Ltd, Waterloo, NSW.


¹⁶ See *Physics in Australia to 1945*, http://www.asap.unimelb.edu.au/bspars/physics/P001784p.htm. Priestley was the foundation Professor of Mathematics and Physics at the University of Queensland and his story is given in *Counting Australia In*. I was not aware at the time that a grandson, William Gordon McCallum, is also a noted mathematician. Bill was born in Sydney in 1956 and received his first degree from the University of New South Wales. He has a PhD from Harvard University and from 2006 to 2018 was University Distinguished Professor of Mathematics at the University of Arizona, in Tucson. His areas of research are arithmetic algebraic geometry and mathematics education.


466. SCHONELL, FRED JOYCE18 and CRACKNELL, S. H. (1937) Right from the start arithmetic, Oliver and Boyd, Edinburgh.


469. SCOTT, JAMES (1948) Mathematics for survey draftsmen, Survey Drafting Branch, Registrar-General's Department, Sydney.


473. — (Undated) A three-year geometry in two parts : based on the syllabus of the University of Adelaide Public Examinations Board. Adelaide.


17 See also Delalande (1929).

18 Sir Fred Schonell (1900 – 1969), an educationist, was born in Perth. He went to London for higher studies in 1928 and was appointed professor of education at the University College of Swansea, University of Wales, in 1942. He was appointed foundation professor of education at the University of Queensland in 1950 and vice-chancellor in 1960.

19 There were also later editions of most of these books by Searle and Jones. ‘Not surprisingly, such books tended to have a near monopoly of use in schools, especially government schools.’ Truran (2001).
475. SHAW, FREDERICK STANLEY (1946) Relaxation methods in the solution of engineering problems: a course of six lectures…, University of Melbourne, Melbourne.


480. — (1940) Affine differential invariants of two analytic arcs, University of Queensland, Department of Mathematics, Brisbane.


482. — and CAI McCARTHY, JAMES PATRICK (1940) Projective differential invariants of two curves, University of Queensland, Department of Mathematics, Brisbane.

483. SMITH, HANNINGTON (1907) Text-book of right-angled trigonometry: proved by Mr. R. Ballard to be used at the time of building the Gizeh group of Pyramids of Egypt, supposed date of foundation, 2170 B.C., Crocker, Inglis & Kent, Federal Press, Rockhampton, Queensland.

484. SMITH, HUGH THOMAS (1948) A modern rural school arithmetic, Whitcombe & Tombs, Melbourne.


486. SPRENT, PETER (1957) A research register of Australian mathematicians / compiled and edited for the Australian Mathematical Society, July, 1957, University of Tasmania, Hobart. [Also, a revised edition to September 1957.]


489. STONE, WILLIAM (1922) The mechanism of lubrication: a popular explanation of the principles of lubrication as developed mathematically by Reynolds and Michell, and employed by the latter in the design of the well-known Michell thrust and journal bearings, Industrial Australian and Mining Standard, Melbourne.


492. SWINBOURNE, ELLICE SIMMONS (1960) Mathematical chemistry 1 (2.72) / notes …., Univ. of N.S.W. Students’ Union, Sydney.


503. TURNER, IVAN STEWART (1952) *Your arithmetic book: stories about its names and symbols*, Angus and Robertson, Sydney.

504. — (1953?) *The first hundred years of mathematics in the University of Sydney*, The author, Sydney.

505. UNIVERSITY OF SYDNEY (1916) *Reprints of papers from the Science Laboratories/Departments of Mathematics; Physics; Chemistry; Agriculture and Engineering*, Sydney.

506. — (1934) *Sydney University reprints. Series 11, Physics, mathematics and astronomy* (Vol. 1), The University, Sydney. — (1938) [Same, Vol. 2.] [*Reprints of papers from the science laboratories of the University of Sydney.*]

507. — (1956) *Silliac programming: a guide to the preparation of problems for solution by the automatic digital computer in the Adolph Basser computing laboratory within the School of Physics of the University of Sydney*, University of Sydney Basser Computing Dept, Sydney.

508. VARGOVIC, CHRISTOPHER A. (1956) *A survey of structural changes in the Western Australian economy: a statistical interpretation*, University of Western Australia Press, Nedlands.

509. WADDELL, WINIFRED and PICKEN, DAVID KENNEDY (1919?) *A first trigonometry*, Melville & Mullen, Melbourne.


512. WAUCHOPE, MAVIS L. (1940?) *Let’s play with numbers*, Whitcombe Tombs, Melbourne.


515. — (1920) *On general relativity and gravitation*, Melbourne. [‘Reprinted from the Melbourne University Magazine, October 1920.’]

516. — (1920) *The spectrum of learning*, Melbourne? [‘Reprinted from The Secondary Teacher, November 1920.’]


524. WHITTEN, WESLEY KINGSTON (1939?) *Veterinary application of statistics*, Sydney.


529. — (1927) Census of the Commonwealth of Australia, taken for the night between the 3rd and 4th April, 1921, Government Printer, Melbourne.


532. — and KLOOT, NIGEL HENRY (1948) A study of the variation of properties in short boards and its implication in experimental design, CSIRO Forest Products Laboratory, South Melbourne.

533. WILSON, ROBERT (1932) Selected examples in mechanics (Leaving Certificate standard) with answers, Brown, Prior, Melbourne.

534. — (1934) Intermediate certificate arithmetic, with answers, Cheshire, Melbourne. [Nine later editions to 1942.]


536. — and ROSS, A. D.20 — (1939) The first two years’ arithmetic, covering the work for the first two years of the four-year Intermediate Certificate course; with answers, F.W. Cheshire, Melbourne. — (1943) A sequel to the first two years’ arithmetic: with answers, F. W. Cheshire, Melbourne.

537. — (1943) Introduction to statistics, F.W. Cheshire, Melbourne. [*Reprint of chapter 9 of the text book ‘Arithmetic’ by the same authors’, according to the title page (Trove).]

538. — (1949) The first two years’ algebra : (covering the work for the first two years of the four-year intermediate certificate course), with answers, F.W. Cheshire, Melbourne. — (1949) A sequel to the first two years’ algebra, F. W. Cheshire, Melbourne.

539. — (1951) The first two years’ arithmetic and algebra, F.W. Cheshire, Melbourne.

540. — (1951) The first two years’ geometry, Cheshire, Melbourne. — (1952) A sequel to first two years’ geometry, Cheshire, Melbourne.

541. — (1951) Geometry and trigonometry for the intermediate certificate, F.W. Cheshire, Melbourne.


545. WILTON, JOHN RAYMOND (1920) Certain Diophantine problems, Royal Society of South Australia, Adelaide.

20 It is possible, but not likely, that this is Alexander David Ross, Professor of Mathematics and Physics at the University of Western Australia from 1912 to 1929 (see items 456, 457). It is much more likely to be ‘Mr. A. D. Ross, B.A., a former student of Ormonde College [in the University of Melbourne]’ whom C. E. Weatherburn thanks, in the preface, for reading ‘the whole of the proofs’ of his Advanced Vector Analysis. Furthermore, this would be Alan Douglas Ross, a top student in mathematics in the university in the early 1920s.

547. WOOD, HARLEY (1946) Nomograms for some astronomical calculations, Royal Society of New South Wales, Sydney.


549. YORSTON, ROBERT KEITH; SMYTH, EUGENE BRYAN and BROWN, SAMUEL RAYMOND (1959) Statistics as applied to accounting data, Law Book Co. of Australasia, Sydney.


21 Sir Keith Yorston was a noted educator in accountancy. ‘He wrote and co-authored dozens of textbooks on accounting, law and company practice.’ (Australian Dictionary of Biography)
List 3—Alphabetical by Author List of Theses Leading to the Award of a Higher Degree, to 1960


552. ADKINS, BRIAN LINDSAY (1959?) *The Monte Carlo method with particular reference to the solution of functional equations* (M.A. thesis), University of Melbourne.

553. ALEXANDER, LAURIE GEORGE (1939) *A thesis on the mathematical theory of the transmission of electromagnetic waves around the surface of the earth* (M.Sc. thesis), University of Melbourne.


557. BATCHELOR, GEORGE KEITH (1941) *One practical investigation: Three theoretical investigations: A theoretical thesis* (M.Sc. thesis), University of Melbourne. ['One practical investigation: Wind tunnel measurements of the hinge moments on bomb doors beneath an engine nacelle. Three theoretical investigations: Aerofoils suitable for high speeds; Interference in a wind tunnel of octagonal section; Sighting correction for a free gun. A theoretical thesis: Two-dimensional, subsonic flow of a compressible fluid.’ From the University of Melbourne Library catalogue entry.]

558. BENNETT, JOHN HENRY (1950) *A mathematical study of linkage in heredity* (M.A. thesis), University of Melbourne.


567. BROWN, GREGORY HERBERT (1949) Decimal computation in industry in N.S.W. and its educational implications (B.Ed.Inv. thesis), Melbourne Teachers’ College.

568. BURR, EDMUND JOHN (1954) The sharpening of observational data in two dimensions (M.Sc. thesis), University of Queensland.


570. BUTLER, MICHAEL CHARLES RICHARD (1955) A generalisation of the Galois theory of a binomial equation; and a published paper, On the reducibility of polynomials over finite fields (Ph.D. thesis), University of Melbourne.


572. CORBEN, HERBERT CHARLES (1934) Four-dimensional projective geometry and its application to problems in three dimensions (B.A.(Hons) thesis), University of Melbourne.

573. COURTNEY-PRATT [COATES], JOAN GLAZEBROOK (1938) The intelligence of under-privileged children and the standard they reach in English and arithmetic (B.Ed.Inv. thesis), Melbourne Teachers’ College.

574. CRAVEN, BRUCE DESMOND (1953) Non-linear elements in electronic simulation : developments on the pondage simulator (M.Sc. thesis), University of Melbourne.


578. DEWHURST, IRENE ELIZABETH (1939) Psychology and relationships of the mathematical abilities (B.Ed.Inv. thesis), Melbourne Teachers’ College.


581. DOUGLAS, JAMES BARTRAM (1952) On the fitting of certain discrete distributions (M.A. thesis), University of Melbourne.

582. ELLIOTT, DAVID (1960) Applications of Chebyshev polynomials in numerical analysis (PhD thesis), University of Adelaide.

583. EVANS, IAN ANDREWS (1948) Some new proofs in statistical mathematics (M.Sc. thesis), University of Queensland.

584. FITZPATRICK, EUGENE A. (1952) Probability analysis of rainfall factors in drought in New South Wales (M.A. thesis), University of Sydney. — (1953) [The

22 Butler (1929 – 2012) was lecturer, senior lecturer and then reader in pure mathematics at the University of Liverpool, England, from 1957 to 1996. Butler groups, which he introduced in 1965, are named for him.
same.] Rural Bank of New South Wales in cooperation with N.S.W. Dept. of Lands, Sydney.

585. CAI FREIBERGER, WALTER F. (1949) Elasticity, buckling (M.A. thesis), University of Melbourne. ['Unbound, with covering note, secured by an elastic band,’ from Trove.]

586. CAI GAMBLEN, FRANK (1946) Some aspects of mathematical probability (M.Sc. thesis), University of Western Australia.


588. CAI GENT, BETTY LOVELL (1943) The theory of the flow past an airfoil (M.A. thesis), University of Melbourne.

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INDEX

The numbers refer to items. Names in upper case identify an item. The letter f after an item number indicates a footnote to that item.

ABBOTT, F., 41
ABBOTT, W.E., 201
ABERDEEN, J., 551
Aborigines, 221, 413
Accounting, 176, 301, 418, 549
Acoustics, 457
Actuarial science, 81, 343, 399
ADAMS, W.M., 65
ADCOCK, C.J., 202
Adelaide, 68, 290, 414, 417
University of, 109, 470, 472-474
ADKINS, B.L., 552
Adolph Basser Computing Laboratory, 507
Aeolotropic material, 613, 614
Aerodynamics, 368
Aerofoil, 557, 588, 656
Affine, 480, 481
Agriculture, 243, 271, 499, 505
AITKIN, A.G., 203
ALBRECHT, C. E., 113
ALEXANDER, L.G., 553
Algebra, 106, 216, 266, 305, 403, 440, 471,
538, 539, 663
Examination papers in, 88, 133, 333
Exercises in, 51, 204
Linear, 467
Rules of, 32
ALLAN, R.M., 208
ALLEN, C.H., 554
ALLEN, H.B., 209
America 14, 178, 548
Analysis, Complex variable, 566
of cubic lattice designs, 439
Factorial, 202
of farm management, 626
Mathematical, 201, 354, 395, 439, 576
Numerical, 582
Probability, 584
Regression, 531
Statistical, 73, 304, 352, 353, 500, 674
Tensor, 630
Time series, 315
of variance, 290, 299
Vector, 517, 519, 536f
ANDERSON, H.C.L., 210
ANDERSON, P.N.W., 279
ANDREW, H.M., 101
ANGUS & ROBERTSON, 177, 178
Anthropometry, 108, 225
Apollonius, 44
Applied mathematics, 240, 253, 263, 278,
306, 330
Applied statistics, 301, 335, 461
ARCHER, F.E, 312
ARCHER, W.H., 34-37
Architecture, 55, 293
Arithmetic, 9, 25, 70, 94, 112, 119, 120, 134,
153-155, 183, 184, 190, 194, 203, 207,
292, 296, 303, 387, 420, 427, 434-436,
440, 449, 462, 463, 466, 472, 484, 503,
534, 536, 539, 551, 571, 573, 628, 659
Commercial, 193, 294, 319
Examination papers in, 88, 133, 179, 192,
494, 603
Exercises in, 1, 84, 164, 417
Mental, 25, 84, 151, 177, 195, 213, 405,
418
Printers', 493
in rhyme, 369
Rules of, 33
Teaching of, 390, 391, 396, 421, 426, 449
Arithmetigram, 83
ASHWORTH, H.C., 198
ASHWORTH, T.R., 198
Astronomy, 7, 7f, 15, 34, 166, 506, 547,
592, 642f, 639
Asymptotic expansions, 635
ATKINSON, F.V., 211
Atmosphere, 378
Atoms, 344, 375, 376, 404
Australian Council for Educational Research,
246
Australian Imperial Force, 415
Australian Mathematical Society, 240, 486
Australian National University, 397f
Australian Post Office, 431
Bailey, F., 8
<table>
<thead>
<tr>
<th>Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAILEY, V.A.</td>
<td>212</td>
</tr>
<tr>
<td>BAKER, H.K.</td>
<td>555</td>
</tr>
<tr>
<td>BALL, I.W.</td>
<td>88</td>
</tr>
<tr>
<td>Ball, W.W.R.</td>
<td>257</td>
</tr>
<tr>
<td>Ballaratania</td>
<td>128</td>
</tr>
<tr>
<td>Ballard, R.</td>
<td>483</td>
</tr>
<tr>
<td>Balmain</td>
<td>148</td>
</tr>
<tr>
<td>BANA, J.</td>
<td>213</td>
</tr>
<tr>
<td>Banking</td>
<td>20, 91, 278</td>
</tr>
<tr>
<td>BARFORD, F.W.</td>
<td>366, 527</td>
</tr>
<tr>
<td>BARNARD, M.M.</td>
<td>214</td>
</tr>
<tr>
<td>BARNARD, R.J.A.</td>
<td>215-217</td>
</tr>
<tr>
<td>BARRACLOUGH, H.</td>
<td>218</td>
</tr>
<tr>
<td>BASSETT, I.M.</td>
<td>556</td>
</tr>
<tr>
<td>BASSETT, W.F.</td>
<td>132</td>
</tr>
<tr>
<td>BATELCHOR, G.K.</td>
<td>219, 220, 557</td>
</tr>
<tr>
<td>BATES, D.</td>
<td>221</td>
</tr>
<tr>
<td>Bates, D.R.</td>
<td>242</td>
</tr>
<tr>
<td>BATES, L.M.</td>
<td>391</td>
</tr>
<tr>
<td>BEAN, E.E</td>
<td>222</td>
</tr>
<tr>
<td>BELZ, M.H.</td>
<td>395, 606f</td>
</tr>
<tr>
<td>Bendigo</td>
<td>452</td>
</tr>
<tr>
<td>BENNETT, J.H.</td>
<td>223, 558</td>
</tr>
<tr>
<td>BENNETT, W.</td>
<td>195</td>
</tr>
<tr>
<td>BERGLIN, C.E.</td>
<td>149</td>
</tr>
<tr>
<td>BERRY, R.J.A.</td>
<td>224</td>
</tr>
<tr>
<td>BERTILLON, J.</td>
<td>225</td>
</tr>
<tr>
<td>Bibliography</td>
<td>243</td>
</tr>
<tr>
<td>BILLIGHEIMER, C.E.</td>
<td>559</td>
</tr>
<tr>
<td>BILLINGTON, A.E</td>
<td>560</td>
</tr>
<tr>
<td>Bi-quaternions</td>
<td>175</td>
</tr>
<tr>
<td>Birth and death process</td>
<td>597</td>
</tr>
<tr>
<td>BIRTWHISTLE, R.</td>
<td>226</td>
</tr>
<tr>
<td>BLACK, E.C.</td>
<td>227</td>
</tr>
<tr>
<td>BLACKMAN, D.R.</td>
<td>561</td>
</tr>
<tr>
<td>BLAKERS, A.L.</td>
<td>307</td>
</tr>
<tr>
<td>BLAZELY, L.D.</td>
<td>562</td>
</tr>
<tr>
<td>BOLT, Beverley</td>
<td>563</td>
</tr>
<tr>
<td>BOLT, Bruce A.</td>
<td>564</td>
</tr>
<tr>
<td>Bolyai, J.</td>
<td>228</td>
</tr>
<tr>
<td>BONOLA, R.</td>
<td>228</td>
</tr>
<tr>
<td>BOOTHBY, J.</td>
<td>98</td>
</tr>
<tr>
<td>Borda’s method</td>
<td>8</td>
</tr>
<tr>
<td>BORTHWICK, T.</td>
<td>158</td>
</tr>
<tr>
<td>BOWDEN, T.</td>
<td>2</td>
</tr>
<tr>
<td>BOYD, R.L.F.</td>
<td>378</td>
</tr>
<tr>
<td>BRAGG, W.H.</td>
<td>166, 227</td>
</tr>
<tr>
<td>Braille, 213, 412</td>
<td></td>
</tr>
<tr>
<td>BRAY, C.</td>
<td>229</td>
</tr>
<tr>
<td>BREACH, D.R.</td>
<td>565</td>
</tr>
<tr>
<td>BREARLEY, M.N.</td>
<td>566</td>
</tr>
<tr>
<td>BRIDGEN, J.B.</td>
<td>230</td>
</tr>
<tr>
<td>BRINKLEY, Rev. J.</td>
<td>7, 7f</td>
</tr>
<tr>
<td>BRISBANE, T.M.</td>
<td>3, 13</td>
</tr>
<tr>
<td>BROOKES, B.C.</td>
<td>231</td>
</tr>
<tr>
<td>Broome, 286</td>
<td></td>
</tr>
<tr>
<td>BROWN, F.G.</td>
<td>232, 233</td>
</tr>
<tr>
<td>BROWN, G.H.</td>
<td>567</td>
</tr>
<tr>
<td>BROWN, S.G.</td>
<td>234</td>
</tr>
<tr>
<td>BROWN, S.R.</td>
<td>549</td>
</tr>
<tr>
<td>BÜCHNER, L.W.G.</td>
<td>224</td>
</tr>
<tr>
<td>BULLEN, K.E.</td>
<td>235-242, 332</td>
</tr>
<tr>
<td>BUREAU, OF AGRICULTURAL ECONOMICS</td>
<td>243</td>
</tr>
<tr>
<td></td>
<td>OF CENSUS AND STATISTICS, 280-285</td>
</tr>
<tr>
<td></td>
<td>OF METEOROLOGY, 286</td>
</tr>
<tr>
<td>BURHOP, E.H.S.</td>
<td>379</td>
</tr>
<tr>
<td>BURR, E.J.</td>
<td>568</td>
</tr>
<tr>
<td>BURSTON, J.J.</td>
<td>120, 121, 244</td>
</tr>
<tr>
<td>Business</td>
<td>104, 152, 154, 193, 295, 319, 453</td>
</tr>
<tr>
<td>Butler groups</td>
<td>569f</td>
</tr>
<tr>
<td>BUTLER, M.C.R.</td>
<td>569, 569f</td>
</tr>
<tr>
<td>BYRON, J.</td>
<td>129</td>
</tr>
<tr>
<td>CAINE, M.E.</td>
<td>157</td>
</tr>
<tr>
<td>Calculations</td>
<td>3, 8, 15, 30, 85, 97, 113, 154, 291, 645, 659</td>
</tr>
<tr>
<td></td>
<td>Astronomical, 547</td>
</tr>
<tr>
<td></td>
<td>Mental, 9</td>
</tr>
<tr>
<td>Calculator</td>
<td>25, 104, 154, 199, 334, 418</td>
</tr>
<tr>
<td>Calculigraph</td>
<td>199</td>
</tr>
<tr>
<td>Calculus</td>
<td>249, 267, 300, 326, 443, 661</td>
</tr>
<tr>
<td></td>
<td>of matrices, 467</td>
</tr>
<tr>
<td></td>
<td>of tensors, 521, 654</td>
</tr>
<tr>
<td>CALDREW, A.E.</td>
<td>245</td>
</tr>
<tr>
<td>CALDREW, A.H.A.</td>
<td>571</td>
</tr>
<tr>
<td>Cambridge University, 7f</td>
<td></td>
</tr>
<tr>
<td>CAMPBELL, F.A.</td>
<td>147</td>
</tr>
<tr>
<td>CAMPBELL, H. M.</td>
<td>246</td>
</tr>
<tr>
<td>CAMPBELL, R.H.</td>
<td>247</td>
</tr>
<tr>
<td>Canberra University College</td>
<td>211</td>
</tr>
<tr>
<td>Cancer</td>
<td>209, 304, 323</td>
</tr>
<tr>
<td>CARROLL's penny table book</td>
<td>248</td>
</tr>
<tr>
<td>CARSLAW, H.S.</td>
<td>228, 249-264</td>
</tr>
<tr>
<td>CARTER, H.J.</td>
<td>139</td>
</tr>
<tr>
<td>CARVER, S.R.</td>
<td>265</td>
</tr>
<tr>
<td>CASSEL &amp; Company, 150, 151</td>
<td></td>
</tr>
<tr>
<td>Cauchy's theorem, 632</td>
<td></td>
</tr>
<tr>
<td>Census, 363, 399, 525, 550</td>
<td></td>
</tr>
</tbody>
</table>

46
<table>
<thead>
<tr>
<th>Term</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commonwealth</td>
<td>265, 285, 351, 386, 529, 542, 544</td>
</tr>
<tr>
<td>New South Wales</td>
<td>17, 18, 26, 59, 129, 142, 277</td>
</tr>
<tr>
<td>South Australia</td>
<td>54, 69</td>
</tr>
<tr>
<td>Tasmania</td>
<td>93</td>
</tr>
<tr>
<td>Victoria</td>
<td>38, 100</td>
</tr>
<tr>
<td>Western Australia</td>
<td>58, 72</td>
</tr>
<tr>
<td>Chance</td>
<td>169, 185</td>
</tr>
<tr>
<td>Characteristic number</td>
<td>635</td>
</tr>
<tr>
<td>Chebyshev polynomials</td>
<td>582</td>
</tr>
<tr>
<td>Chemistry</td>
<td>336, 492, 505</td>
</tr>
<tr>
<td>CHERRY, T.M.</td>
<td>267</td>
</tr>
<tr>
<td>Child, Children</td>
<td>52, 92, 150, 302, 463, 573, 598, 616</td>
</tr>
<tr>
<td>Childbirth</td>
<td>141, 145, 275</td>
</tr>
<tr>
<td>Christianity</td>
<td>31, 496</td>
</tr>
<tr>
<td>CHONG, F.</td>
<td>381</td>
</tr>
<tr>
<td>Circle</td>
<td>181, 383</td>
</tr>
<tr>
<td>Circuit theory</td>
<td>411</td>
</tr>
<tr>
<td>CLARKE, A.R.</td>
<td>272, 272f</td>
</tr>
<tr>
<td>Climate</td>
<td>11, 73, 47</td>
</tr>
<tr>
<td>COGHLAN, T.A.</td>
<td>140-145, 273-277</td>
</tr>
<tr>
<td>COLE, E.W.</td>
<td>71</td>
</tr>
<tr>
<td>COLLENS, W.J.F.</td>
<td>278</td>
</tr>
<tr>
<td>COLONIAL EMIGRATION SOCIETY</td>
<td>61</td>
</tr>
<tr>
<td>COLVILLE, A.B.</td>
<td>279</td>
</tr>
<tr>
<td>COLYER, M.J.G.</td>
<td>199</td>
</tr>
<tr>
<td>Commerce</td>
<td>21, 22, 27-29, 40, 71, 137, 271, 294</td>
</tr>
<tr>
<td>Complex</td>
<td>566, 599</td>
</tr>
<tr>
<td>Compressible flow</td>
<td>557, 618</td>
</tr>
<tr>
<td>Computation</td>
<td>7, 13, 102, 272, 317, 460, 513, 567, 607 See Digital computer</td>
</tr>
<tr>
<td>Conformal mapping</td>
<td>600</td>
</tr>
<tr>
<td>Consumption</td>
<td>See Tuberculosis</td>
</tr>
<tr>
<td>Convection</td>
<td>670</td>
</tr>
<tr>
<td>CORBEN, H.C.</td>
<td>288, 572</td>
</tr>
<tr>
<td>CORK, N.</td>
<td>91</td>
</tr>
<tr>
<td>CORNISH, E.A.</td>
<td>289, 290, 439</td>
</tr>
<tr>
<td>Correlation</td>
<td>224</td>
</tr>
<tr>
<td>COTTEE, A.J.</td>
<td>291</td>
</tr>
<tr>
<td>COTTON, E.A.</td>
<td>463</td>
</tr>
<tr>
<td>Counting</td>
<td>413</td>
</tr>
<tr>
<td>Counting Australia In</td>
<td>8f, 240, 255, 385f, 447f, 607f</td>
</tr>
<tr>
<td>COURTNEY-PRATT [COATES], J.G.</td>
<td>573</td>
</tr>
<tr>
<td>COX, C.D.</td>
<td>339</td>
</tr>
<tr>
<td>COX, J.C.</td>
<td>152</td>
</tr>
<tr>
<td>CRACKNELL, S.H.</td>
<td>466</td>
</tr>
<tr>
<td>CRAVEN, B.D.</td>
<td>574</td>
</tr>
<tr>
<td>CRELLIN, W.</td>
<td>122</td>
</tr>
<tr>
<td>Cricket</td>
<td>222, 247, 401</td>
</tr>
<tr>
<td>Criminality</td>
<td>23, 53, 224</td>
</tr>
<tr>
<td>CROSSLEY, J.T.</td>
<td>25</td>
</tr>
<tr>
<td>Crystal classes</td>
<td>601</td>
</tr>
<tr>
<td>Cube, cubic</td>
<td>160, 212, 224, 392, 439, 481</td>
</tr>
<tr>
<td>CUNNINGHAM, K.S.</td>
<td>292</td>
</tr>
<tr>
<td>CURR, J., 20</td>
<td>574</td>
</tr>
<tr>
<td>Cyclotomic polynomials</td>
<td>579</td>
</tr>
<tr>
<td>DANSO, J.T.</td>
<td>28</td>
</tr>
<tr>
<td>DAS, S.C.</td>
<td>575</td>
</tr>
<tr>
<td>D’ASSUMPSCAO, H.A.</td>
<td>576</td>
</tr>
<tr>
<td>Data, Data processing</td>
<td>289, 495, 513, 549, 568, 593, 674</td>
</tr>
<tr>
<td>DAVIES, J.J., 9</td>
<td>579</td>
</tr>
<tr>
<td>DAY, W.R.</td>
<td>399</td>
</tr>
<tr>
<td>DEAN, W.R.</td>
<td>293</td>
</tr>
<tr>
<td>Death, 145, 225, 283, 345, 399 See Birth and death process</td>
<td>580</td>
</tr>
<tr>
<td>Delalande, E.</td>
<td>462f</td>
</tr>
<tr>
<td>Demography</td>
<td>158, 550</td>
</tr>
<tr>
<td>DENCH, G.E.</td>
<td>294</td>
</tr>
<tr>
<td>DEPARTMENT OF MAIN ROADS</td>
<td>410</td>
</tr>
<tr>
<td>DERRICK, G.H.</td>
<td>577</td>
</tr>
<tr>
<td>Determinantal loci</td>
<td>455</td>
</tr>
<tr>
<td>Determinants</td>
<td>476</td>
</tr>
<tr>
<td>DEWHURST, I.E.</td>
<td>578</td>
</tr>
<tr>
<td>Dictionary</td>
<td>185, 306</td>
</tr>
<tr>
<td>Differential, configurations, 479 equations, 559, 608, 637, 675 geometry, 520, 630 invariants, 480, 482</td>
<td>581</td>
</tr>
<tr>
<td>Diffraction</td>
<td>673</td>
</tr>
<tr>
<td>Digital computer</td>
<td>507, 643</td>
</tr>
<tr>
<td>DILLON, J.A.</td>
<td>295</td>
</tr>
<tr>
<td>Diophantine</td>
<td>545</td>
</tr>
<tr>
<td>Diploma</td>
<td>658</td>
</tr>
<tr>
<td>Dirichlet’s problem</td>
<td>600</td>
</tr>
<tr>
<td>Disease, 52, 73, 187, 225, 283, 345, 500</td>
<td>582</td>
</tr>
<tr>
<td>DITCHBURNE, N., 214</td>
<td>500</td>
</tr>
<tr>
<td>Divinism</td>
<td>95</td>
</tr>
<tr>
<td>DIXON, J.D.</td>
<td>579</td>
</tr>
<tr>
<td>DOIG, A.G.</td>
<td>580</td>
</tr>
<tr>
<td>DONNELLY, F.T.</td>
<td>296</td>
</tr>
<tr>
<td>DOUGLAS, J.B.</td>
<td>581</td>
</tr>
<tr>
<td>DOWLING, H.</td>
<td>29</td>
</tr>
<tr>
<td>‘Dualface’ slide rule</td>
<td>428</td>
</tr>
</tbody>
</table>
DULOY, J.H., 297
DURLACHER, A., 42
DWYER, E.J., 298
Dynamics, 47, 48, 110, 146, 215, 237, 321, 566, 649
Earth, 241, 242, 365, 553, 564
Earthquake waves, 235
Earthwork, 317
Economics, 230, 243, 308, 380, 451, 464
Education, 246, 269, 420, 427, 447f, 466f, 567, 648
EGAN, J.S., 453
Egypt, 483
Einstein, A., 456, 665
Elasticity, 137, 555, 585, 614, 651, 652, 662
Electromagnetic waves, 553, 673
Electromagnetism, 109
ELLIOTT, D., 582
Ellipsoidal functions, 635
Ellipticity correction, 235
Energy, 77, 78, 96, 132, 376
Engineering, 147, 249, 271, 312, 317, 321, 329, 340, 424, 475, 637
Nuclear, 338
Enriques, F. 228
Euclid, 65, 101, 107, 173, 186
Euler strut, 555
EVANS, I.A., 299, 583
Experimental design, 532
Experiments, 201, 354, 602, 669
Extreme values, 313
Factorial analysis, 202, 289, 602, 646
Factors, 5, 6, 244, 403
Faraday, M., 496
FARLOW, B.N., 203, 204
Farmers, Farm management, 193, 626
Ferguson, J.A., 2, 4, 9, 74
Field, J.B.F., 214f
Finite, difference methods, 653
fields, 570
samples, 596
strain, 610
FINUCAN, H.M., 300
FITZGERALD, A.A., 301
FITZPATRICK, E.A., 584
Flagstaff Observatory, 63
FLANAGAN, J., 302
Number Training System, 302, 303
FLEURI, G., 167
Fluid flow, 108, 557, 566, 621
Force, 90, 125, 670
Formal systems, 619
FORREST, J., 130
FORSYTH, A., 196
Fourier series, 250, 261, 352
FOWLER, R., 304
Fractions, 119, 403
FRATER, H.J., 305
FREIBERGER, W.F., 306, 585
Friendly Society, 80, 501
FROME, E.C., 15, 16
Functional equations, 552
Functions, 297, 336, 383, 406, 635, 652, 668
Ellipsoidal, Lamé, Mathieu, 635
Galois theory, 570
GAMBLEN, F., 586
Gambling, 153, 185
Games, 185, 602, 650
Gamma rays, 642
GANI, J.M., 307, 587
GARDINER, M., 43-50
Gears, 644
GENT, B.L., 588
Genus of a curve, 454
Geodesy, 15, 46, 272f
Geography, 11, 19, 99, 157, 178, 272
Geology, 11
Geometrical drawing, 293, 402
Geometry, 43, 45, 50, 65, 107, 167, 170, 194, 206, 325, 429, 455, 473, 517, 540, 541, 563, 599, 644, 669
Algebraic, 447f
Analytical, 442
Clifford, 599
and Clifford groups, 563
Coordinate, 205, 381, 446
of determinantal loci, 455
Differential, 520, 630
of gears, 644
Non-Euclidean, 228, 257
of numbers, 373
Projective, 572, 636
Riemannian, 521
Solid, 170, 293, 448
Teaching of, 371, 669
Geophysics, 610
GERNY, J.S., 589
<table>
<thead>
<tr>
<th>Name</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gibbs’ dyadics</td>
<td>514</td>
</tr>
<tr>
<td>GIFFORD, J.K.</td>
<td>308</td>
</tr>
<tr>
<td>GILL, H.P.</td>
<td>170</td>
</tr>
<tr>
<td>GILLINGS, R.J.</td>
<td>309, 590</td>
</tr>
<tr>
<td>Gold</td>
<td>12, 39, 62</td>
</tr>
<tr>
<td>GOODRIDGE, C.M.</td>
<td>11</td>
</tr>
<tr>
<td>GOULD, B.W.</td>
<td>591</td>
</tr>
<tr>
<td>Graphs</td>
<td>311, 535, 589, 631</td>
</tr>
<tr>
<td>Gravitation</td>
<td>96, 125, 515, 606</td>
</tr>
<tr>
<td>GRIFFITH, J.L.</td>
<td>310</td>
</tr>
<tr>
<td>GRIFFITHS, F.G.</td>
<td>592</td>
</tr>
<tr>
<td>GRIMM, G.A.</td>
<td>193</td>
</tr>
<tr>
<td>GROVES, G.W.</td>
<td>87</td>
</tr>
<tr>
<td>GUEST, P.G.</td>
<td>593</td>
</tr>
<tr>
<td>gyroscopic motion</td>
<td>620</td>
</tr>
<tr>
<td>HALL, A.S.</td>
<td>311</td>
</tr>
<tr>
<td>HALL, P.G.</td>
<td>313, 313f, 642f</td>
</tr>
<tr>
<td>HALSTED, H.J.</td>
<td>314</td>
</tr>
<tr>
<td>Halsted, G.B.</td>
<td>228</td>
</tr>
<tr>
<td>HAMBLIN, C.L.</td>
<td>594</td>
</tr>
<tr>
<td>HAMILTON, A.</td>
<td>79</td>
</tr>
<tr>
<td>HANANAN, E.J.</td>
<td>315, 595</td>
</tr>
<tr>
<td>HARGRAVES, C.T.</td>
<td>55</td>
</tr>
<tr>
<td>Harmonic oscillations</td>
<td>560</td>
</tr>
<tr>
<td>HARON, T.K.</td>
<td>316</td>
</tr>
<tr>
<td>HARPER, W.R.</td>
<td>188</td>
</tr>
<tr>
<td>HARRIS, C.H.</td>
<td>180</td>
</tr>
<tr>
<td>HART, J.S.</td>
<td>80</td>
</tr>
<tr>
<td>HART, K.R.M.</td>
<td>317</td>
</tr>
<tr>
<td>HARTIGAN, J.A.</td>
<td>596</td>
</tr>
<tr>
<td>HARTLEY, J.A.</td>
<td>134</td>
</tr>
<tr>
<td>HAWKINS, H.S.</td>
<td>51</td>
</tr>
<tr>
<td>HAWKINS, Rev. E.</td>
<td>19</td>
</tr>
<tr>
<td>HAYES, W.</td>
<td>112</td>
</tr>
<tr>
<td>HAYTER, H.H.</td>
<td>99, 100</td>
</tr>
<tr>
<td>Heat</td>
<td>250, 260, 264, 604, 670</td>
</tr>
<tr>
<td>HEATH, H.F.</td>
<td>318</td>
</tr>
<tr>
<td>HEATHCOTE, C.R.</td>
<td>597</td>
</tr>
<tr>
<td>HEMINGWAY and ROBERTSON</td>
<td>319</td>
</tr>
<tr>
<td>HERCUS, E.O.</td>
<td>320</td>
</tr>
<tr>
<td>Heredity</td>
<td>558</td>
</tr>
<tr>
<td>Heterogeneous systems</td>
<td>339, 385</td>
</tr>
<tr>
<td>Hilbert problem</td>
<td>652</td>
</tr>
<tr>
<td>space</td>
<td>600</td>
</tr>
<tr>
<td>HIRSCHHORN, J.</td>
<td>321</td>
</tr>
<tr>
<td>History</td>
<td>4, 12, 99, 109, 344, 362, 590</td>
</tr>
<tr>
<td>Hobart</td>
<td>32, 33, 41</td>
</tr>
<tr>
<td>HOCKLEY, S.R.</td>
<td>439</td>
</tr>
<tr>
<td>HOLLINGS, E.J.</td>
<td>322</td>
</tr>
<tr>
<td>HOLMES, M.J.</td>
<td>323</td>
</tr>
<tr>
<td>HOOK, A.S.</td>
<td>324</td>
</tr>
<tr>
<td>HOPKINS, J.H.A.</td>
<td>85</td>
</tr>
<tr>
<td>HORADAM, A.F.</td>
<td>598</td>
</tr>
<tr>
<td>HORTON, R.W.</td>
<td>10, 10f</td>
</tr>
<tr>
<td>HOWROYD, T.D.</td>
<td>600</td>
</tr>
<tr>
<td>HUBBARD, G.L.</td>
<td>325</td>
</tr>
<tr>
<td>HULL, H.M.</td>
<td>66</td>
</tr>
<tr>
<td>HUNT, H.A.</td>
<td>327</td>
</tr>
<tr>
<td>HURLEY, A.C.</td>
<td>601</td>
</tr>
<tr>
<td>HURST, W.N.</td>
<td>602</td>
</tr>
<tr>
<td>HUTCHINS SCHOOL</td>
<td>32, 33</td>
</tr>
<tr>
<td>HUXTABLE, L.R.</td>
<td>171</td>
</tr>
<tr>
<td>Hyper-Graeco-Latin square</td>
<td>226</td>
</tr>
<tr>
<td>Inductive reasoning</td>
<td>132</td>
</tr>
<tr>
<td>Inference</td>
<td>596</td>
</tr>
<tr>
<td>INGLIS, J.H.</td>
<td>603</td>
</tr>
<tr>
<td>Integral equations</td>
<td>406, 514</td>
</tr>
<tr>
<td>Integration</td>
<td>250, 261, 339, 477, 580, 633, 661, 675</td>
</tr>
<tr>
<td>Intelligence</td>
<td>224, 573</td>
</tr>
<tr>
<td>Interest</td>
<td>5, 30, 71, 176, 322</td>
</tr>
<tr>
<td>Invariants</td>
<td>479, 480, 482</td>
</tr>
<tr>
<td>‘Invicta’ calculating book</td>
<td>291</td>
</tr>
<tr>
<td>Irreducibility</td>
<td>569, 601</td>
</tr>
<tr>
<td>Isoperimetric problem</td>
<td>468</td>
</tr>
<tr>
<td>Jaeger</td>
<td>263, 264, 329, 330, 604</td>
</tr>
<tr>
<td>James, A.T.</td>
<td>290</td>
</tr>
<tr>
<td>James, R.W.</td>
<td>605, 605f</td>
</tr>
<tr>
<td>Jamieson, J.</td>
<td>126</td>
</tr>
<tr>
<td>Jasny, N.</td>
<td>331</td>
</tr>
<tr>
<td>Jet engines</td>
<td>666</td>
</tr>
<tr>
<td>Jeffreys, H.</td>
<td>240f, 332</td>
</tr>
<tr>
<td>Johnston, R.M.</td>
<td>168</td>
</tr>
<tr>
<td>Jolly, H.</td>
<td>293</td>
</tr>
<tr>
<td>Jones, A.R.</td>
<td>607, 607f</td>
</tr>
<tr>
<td>Jones, A.S.</td>
<td>607f</td>
</tr>
<tr>
<td>Jones, A.W.</td>
<td>470-474, 470f</td>
</tr>
<tr>
<td>Jones, R.</td>
<td>333</td>
</tr>
<tr>
<td>Julius, G.A.</td>
<td>334</td>
</tr>
<tr>
<td>Jupp, K.M.</td>
<td>609</td>
</tr>
<tr>
<td>Kalgoorlie</td>
<td>286</td>
</tr>
<tr>
<td>Karmel, P.H.</td>
<td>335</td>
</tr>
<tr>
<td>Kavel, Rev. A.L.C.</td>
<td>56</td>
</tr>
<tr>
<td>Kaye, G.W.C.</td>
<td>336</td>
</tr>
<tr>
<td>Keane, A.</td>
<td>310, 338, 385, 450, 610</td>
</tr>
<tr>
<td>Kernot, W.C.</td>
<td>102, 340</td>
</tr>
</tbody>
</table>
KERR, F.R., 341
KIMBALL, R.S., 342
Kindergarten, 190
Kinematics, 110, 321

KING, G., 343
KINSMAN, J.R., 453
KLOOT, N.H., 532
KNIBBS, G.H., 159, 344-366
KNIGHT, W., 72

LABY, T.H., 336, 337
LAMB, H., 108-110
Lamé functions, 635
LANE, C.S., 611
LANG, D.W., 612
LANG, Rev. J.D., 12
Laplace transformation, 329
LASZLO, H., 613

Latitude, 60, 235
La Trobe University, 607f, 637f
Lattice, 439, 623

LAWRANCE, C., 131
LAYTON, R.A., 367, 615
LEACH, R.O., 24
LEE, C., 616
LEECH, T.D.J., 368
LE FANU, B., 369
LESLIE, R.T., 617
LEVEY, H.C., 618

Life, 11, 58
assurance, 68, 123
LIGHTFOOT, G., 527

Linear, algebra, 467
programming, 243, 367, 580, 615, 626

Living, Cost of, 355
wage, 465

LIVINGSTONE, R., 133
Lloyd, W.E.R., 291
Lobachevski, N., 228
Locomotive power, 55

Logarithms, 102, 254, 366, 370
Logistic process, 597
LONDON, D.G., 619
London, 10, 466f
Royal Society of, 642f
Statistical Society, 28

LOVE, E.R., 370, 370f
LOVEDAY, N.J., 620
LOW, A.H., 621
Lubrication, 393, 489
LUPSON, J.T., 371
LUSH, P.E., 622
MacCLARDY, J.D.St.C., 172, 173
MACDONALD, J., 372
MACDUNLOP, J.D., 372
MACDONALD, J., 372
MACKENNA, J.W., 52
MACKINTOSH, W., 27
MACONOCHIE, A., 23
MAHLER, K., 373
MAKINS, E., 160
MANDEL, S.P.H., 623
MANSFIELD, R., 18
Markov chains, 587
MAROSKE, I.O., 624
MARTIN, O., 374
MARTIN, R.M., 14
MARTIN, W., 25
MASSEY, H.S.W., 375-379, 404, 625
Mathematical, chemistry, 492
geography, 157, 178
physics, 406, 519
statistics, 290, 522, 523, 554, 583
Mathieu functions, 635
Matrices, 467, 607
Matter, 74, 96

MAULDON, F.R.E., 380
MAULDON, R.G., 626
MAXWELL, E.A., 381
Maxwell, J.C., 496
MAYO, G.M.E., 626
McAULAY, A., 174, 175, 382
McCallum, W.G., 447f
McCARTHY, C., 64
McCARTHY, J.P., 482
McDONELL, A., 628
McDONELL, D.M., 658
McDONELL, A.J., 187
McGIBBON, J.W., 629
McGOVERN, P.B., 630
McINTOSH, G.H., 383
McINTYRE, G.A., 385
McINTYRE, G.A., 384
McKAY, M. Herbert, 339, 49
McKAY, M. Hubert, 385, 385f
McLEAN, D.J., 435
MCPEEHE, E.T., 386
McQUILLAN, C.D.J., 631
McRAE, C.R., 387
Measurement, 3, 71, 113, 119, 188, 189,
557, 644
Mechanics, 74, 166, 170, 238, 288, 334, 418, 517, 533, 637
Engineering, 312, 321
of lubrication, 489
Statistical, 320
Structural, 324
Wave, 625
MEEKING, E., 388
Melbourne, 63, 73, 96f, 224, 281, 38, 41, 69
University of, 88, 96f, 133, 269, 536f
MELCHIORE, C., 95
MELDRUM, H.J., 389
Mercator projection, 272
Mercerian theorems, 617
MERFIELD, C.J., 393, 394, 489
Michell bearing, 489
MICHELL, A.G.M., 393, 394, 489
Miles, J.H., 393, 395
MILES, J.A., 396
MILES, J.W., 397, 397f
Military aspects (various), 232, 272, 363, 380, 415, 424, 427, 459, 460, 485, 513
MILLER, D., 181
Mining, 67
MITCHELL, F.W., 398
Monte Carlo method, 552
MOORE, J.J., 57
MOORS, E.M., 399
MORAN, P.A.P., 400, 634
Morbidity, 208, 283, 341, 527
MORRIS, H.A., 401
MORRIS, I.H., 402
MORRISON, S., 183
Mortality, 52, 64, 75, 92, 208, 323, 343, 346, 358, 399, 500, 501, 528
MORTON, G.M., 403
MOTT, N.F., 404
MOULTON, C.E., 104
MUELLER, H.J.W., 635
MULRY, T.D., 636
Multiple point, 454
Multiplication, 119, 212, 229, 403
MUNGGOVAN, P., 405
MUSKHELISHVILI, N.I., 406
MYERS, D.M., 637, 637f
MANSON, E.J., 114-118, 407, 408
Nanson system, 114
Napier, 254
Navigation, 24, 232
NEISON, F.G.P., 26
NESBIT, E.P., 169
NEWMAN, G.G., 184
New South Wales, 4, 7, 10, 10f, 12, 13, 17, 18, 20, 21, 26, 59, 75, 127, 129, 137, 141-143, 145, 148, 156, 182, 183, 196, 275, 277, 316, 327, 372, 389, 399, 409, 410, 498-501, 584
Statistical Society of, 487, 488
University of, 367, 447f
NEWSTEAD, G.H., 411
Newton, I., 270, 592
NEWTON-RUSSELL, S., 463
Newton-Russell system, 462
New Zealand, 40, 210, 273, 276, 281
NINHAM, B.W., 638
Non-Euclidean geometry, 228, 257
Norfolk Island, 23
Normal population, 671
NOWELL, E.C., 92
Nuclear, engineering, 338
reactions, 612
Number, 11, 30, 119, 134, 150, 152, 244, 245, 302, 303, 348, 374, 413, 440, 449, 512, 551, 616
Characteristic, 635
Reynolds, 670
Numberland, 430
Numerical, 388, 645
analysis, 582
trigonometry, 256, 279
Nursery rhymes, 369
Observatory, 13, 41, 63, 162
OCTONIONS, 175
ODGERS, G.J., 639
O’DONNELL, M.P., 640
OLSEN, F.J., 641
O’NEILL, W.M., 433
Operational methods, 263
Operations, 167, 387
research, 487
ORR’S arithmetic chart, 434
OUTTEN, V.R., 309
Oxford University, 445
PARKES, A.A., 435
Parametric surfaces, 633
Parramatta, 7, 8, 13
Paton, R., 436
Payne-Scott, R.V., 642, 642f
Pell, M.B., 74
Pellegrini's table book, 437
Pendulum, 8
Penny, J.P., 643
Penrith, 598
Peres, N.J.C., 644
Periodicity, 608, 667, 668
Perspective, 293
Perth, 286, 466f
Peterson, C.W., 645
Phillips, J., 438
Philosophy, 344
Philp, H.W.S., 646
Phipps, I.F., 439
Phthisis, 73
Physics, 166, 174, 227, 377, 447f, 459, 505-507, 517, 625, 658
Mathematical, 406, 519
Physiology, 354
Picken, D.K., 440, 509
Piesse, E.L., 441
Pirani, F.J., 89, 101
Pitman, E.J., 647
Plasticity, 655
Pollock, F.G., 442
Polynomials, 593
Chebyshev, 582
Cyclotomic, 579
over finite fields, 570
Pool, P.C., 446
Population, 18, 23, 38, 40, 54, 75, 282, 361, 365, 372, 609
Porter, G., 444
Port Phillip, 21
Postmaster-General's Dept, 200
Potential theory, 397
Potts, J.H., 5
Potts, R.B., 445
Powell, H.K., 446, 649
Prayer, 82
Price, W.T., 292
Prices, 11, 61, 355
Priestley, H.J., 447, 447f
Principia, 270
Printing, 493
Probability, 96, 163, 185, 477, 554, 584, 586, 594, 596
Projection, 272, 293, 446, 482
Projective geometry, 572, 599, 636
Proportion, 119, 121
Proportional, parts, 409, 410
representation, 114, 116, 198, 441, 527
Psychology, 432, 433, 578
Pugsley, A.T., 439
Pulsford, E., 148
Pure mathematics, 211, 253, 569f
Purry, R.I., 650
Puseley, D., 40
Puzzles, 155
Pyramids, 483
Quadrant, 60
Quadratic, equations, 403
forms, 647
Quality control, 425, 510, 672
Quantum field theory, 657
Quaternions, 50, 174, 175
Queensland, 76, 328, 444
University of, 447f, 607f, 664f
Radiation, 642
Radok, J.R.M., 406, 651
Rahmann, M.M., 448
Rainfall, 286, 327, 328, 416, 584
Randomness, 223, 627
Ready reckoner, 39, 86, 131, 418
Real estate, 322
Reay, A.E., 449
Registrar-General, 38
Regression analysis, 290, 531
Reichel, A., 450, 652
Relativity, 447, 456, 515, 518, 606
Relaxation methods, 475
Religion, 132 See Christianity, Prayer
Resource allocation, 297
Reynolds number, 670
Reynolds, O., 489
Richard, G.A., 451
Richards, T., 127
Richardson, O.K., 54
Richardson, W., 13
Riemannian geometry, 521
Riesz, F., 667, 668
Rigid bodies, 110, 215, 589
Rings, Solid, 181
Theory of, 640
Riviere, J.C., 653
RIX, H.F., 190
ROBERTS, J.H., 94
ROBERTS, W.H., 654
ROBERTSON, D.G., 452
ROBERTSON, R.W., 453
ROBSON, R.A., 655
ROOM, T.G., 454
ROSENBLAT, S., 656
ROSS, Alan D., 536-541, 536f
ROSS, Alexander D., 456, 457, 536f
ROTH, W., 458
Rothschild’s golden rules, 152
ROYAL AUSTRALIAN, AIR FORCE, 459
SURVEY CORPS, 460
Royal, Astronomer, 7f
Society of London, 393, 642f
RUMKER, C.S., 8, 8f
RUSSELL, F.A., 461
RUSSELL, J. William, 83, 84
RUSSELL, J. Wm, 1
RUSSELL, S.N., 462
RUTHERFORD, R.S.G., 464
RYLAH, M., 271
SALPETER, E.E., 657
Samples, Sampling, 313, 591, 596, 627, 671
SANDS & KENNY, 39
SARJEANT, H.B., 658
SAWKINS, D.T., 465
SAYWELL, T.W.C., 305
Scattering, 375, 642
SCHOENHEIMER, H.P., 659
SCHONELL, F.J., 466, 466f
Schrödinger wave equation, 556
SCHWERDTFEGER, H.W.E., 467
SCOTT, JAMES, 469
SCOTT, JOHN, 153-155, 185
SCOTT, Professor, 185
SEARLE, H.M., 470-474, 470f
Seismology, 235, 236, 332
Senior, S.A., 310
Series, 119
Fourier, 250, 261, 352
Time, 315
SHANNON, A.R., 660
SHAW, F.S., 475
SHEPPARD, W.F., 476
SHEILD, B., 661
Silliac, 507
SIMM, B.A., 478
SIMONDS, E.F., 479-482
Simulation, 574
Simultaneous equations, 106
SLATER’S…table book, 76
Slide rule, 428, 458, 478 See ‘Dualface’
SMITH, HANNINGTON, 483
SMITH, HUGH T., 484
SMITH, R.C.T., 662
SMITH, T., 161
SMITH, W.G.St.C., 663
SMYTH, E.B., 549
SMYTH, R.B., 67
Snake-bite, 171
SOCIETY FOR THE DISSEMINATION OF
KNOWLEDGE, 82
Solar, 49, 456
Solid geometry, 170, 293, 448
SOLLITT, A. de B., 485
South Australia, 54-56, 69, 98, 111, 158, 438
EDUCATION DEPARTMENT, 192, 194
Soviet Union, 331
SPARK, J.L., 136
Speed, F.E., 214f
Speed, T., 214f
SPRENT, P., 486
Squares, square roots, 160, 212, 226
STALKER, R.J., 664, 664f
Statics, 118, 217, 312, 491
Statistical mechanics, 320
STATISTICAL SOCIETY, OF NEW
SOUTH WALES, 57, 487
of London, 28, 79
Statisticians, 281, 287, 345
Statistics, 10, 19, 80, 82, 128, 171, 214, 222,
231, 247, 271, 331, 350, 353, 362, 416, 495
Applied, 335, 461, 510, 524, 575, 591,
612, 638
of Australia, 14, 27, 35, 42, 126, 135, 144,
165, 168, 182, 210, 273, 274, 276, 280,
281, 548, 550
of banking and commerce, 20, 91, 230
Business, etc., 295, 301, 308, 380,
451, 453, 488, 527, 549
of childbirth, 141, 275
Criminal, 23, 53
of disease, 64, 73, 187, 209, 283, 304,
323, 341, 347, 348, 356, 500
Mathematical, 290, 314, 349, 352, 366,
384, 522, 523, 537, 554
of mining, 62, 67
of New South Wales, 4, 12, 127, 140, 143, 148, 156, 196, 499
in psychology, 432, 433
of Queensland, 444
of South Australia, 56, 98, 111
of Tasmania, 11, 66, 92
of Victoria, 21, 22, 34, 36, 37, 99, 197, 511
Wartime, 380, 415
of Western Australia, 72, 130, 221, 508
STEAD, W.T., 369
STEHLE, P., 288
Stochastic, linear programming, 615
processes, 595, 634
STONE, W., 489
Storage, 400, 591
STRANGER, R., 490
Strength, 137, 138, 147, 555
Structural mechanics, 324
Subsonic flow, 557, 560
Subtraction, 37, 50
Suicide, 352, 353
Supersonic flow, 397, 664
Surrender value, 123
Survey, Surveying, 16, 102, 105, 143, 159, 180, 460, 469
Trigonometrical, 15, 159
SURVEYOR GENERAL, 409, 410
SUTHERLAND, A., 96, 96f
SUTHERLAND, J., 491
SUTHERLAND, John, 186
SWINBOURNE, E.S., 492
Sydney, 140, 447f
Teachers' College, 387
University of, 17f, 139, 218, 249, 252, 504-507, 637f
SYDNEY TECHNICAL COLLEGE, 493
Symbolic logic, 650
Symbols, 101, 503

Tables,
Arithmetical, 9, 29, 33, 161
Commercial, 2, 5, 6, 29, 30, 40, 61, 71, 85, 86, 154, 176, 322, 418
Demographic, 18, 38, 54, 69, 100, 129, 285
Geographic, 19, 60, 272
Life, 68, 81, 123, 360
Mathematical, 149, 218, 309, 316, 337, 382, 422, 502
Mortality, 52, 64, 343, 399, 501
of physical constants, 336
for schools, 57, 150, 151, 177, 414, 438
Seismological, 332
Statistical, 19, 66, 191
Surveying, 15, 122, 136, 409, 410
Unspecified or other, 76, 113, 147, 248, 298, 318, 383, 392, 437, 499
Weather, 87
Tasmania, 4, 10, 11, 32, 40, 66, 92, 93, 189, 677
Taxation, 258, 259, 262
TAYLOR, J.M., 494
TAYLOR, N.W., 665
TEBBUTT, J., 162
TECHNICAL SCHOOLS, 197, 629, 658
Tensor, 476, 649
calculus, 521, 630, 654
Theodolite, 103
THEODORE, E.G., 495
Thermodynamics, 320, 638
Theses, 201-678
THOMPSON, R.A., 496
THOMSON, E.D., 17, 17f
THOMSON, William, 73
Thomson, William (Baron Kelvin), 496
THORNTON, B.S., 367, 666
THRELFAI L, R., 146
Timber, 137, 138, 214
Time, 235, 322, 592, 678
series analysis, 315
sharing, 643
TISDALL, H.T., 164
Toorak Teachers' College, 603
TOWNSEND, A.A., 497
TREGARGETH, G., 31
Trigonometrical survey, 15, 159
Trigonometry, 234, 251, 256, 257, 474, 483, 509, 541
TRIVETT, J.B., 498
Truran, J.M., 470f
Tuberculosis, 73, 111, 347, 348, 452, 500
Turbulence, 220, 497, 561
TURNER, D.W., 502
TURNER, E.W., 105
TURNER, I.S., 391, 503

University, 658
of Adelaide, 109, 290, 470, 472-474
of Arizona, 447f
Australian National, 397f
of Cambridge, 7f
of Dublin, 7f
Harvard, 447f
La Trobe, 607f, 637f
of Liverpool, 569f
of Melbourne, 88, 96f, 133, 269, 536f
   Library, 313f, 557, 605, 606f
of New South Wales, 367, 447f
of Oxford, 445
of Queensland, 447f, 607f, 664f
of Sydney, 17f, 139, 218, 249, 252,
   504-507, 637f
of Tasmania, 1
of Wales, 466f
of Western Australia, 536f
UPTON, C.J.F., 667

Vaccination, 356
Van Diemen’s Land  See Tasmania
VARGOVIC, C.A., 508
Variation, 532, 535, 602, 622
Vector, analysis, 517, 519, 536f
   integral equations, 514
   Latent, 607
VEITCH, G.M., 669
Venus, 87
VERCO, J.C., 111
Victoria, 22, 34, 36-39, 53, 59, 62, 63, 80,
   99, 100, 121, 148, 191, 197, 208, 222,
   269, 341, 345, 388, 399, 511, 571, 659
Viscous flow, 565, 566, 664
Voices of the North, 359
Volumes (of solids), 181
VON NEUMAYER, G.B., 63
Voting, 118, 407, 408

WADDELL, W., 509
WAKELIN, T., 124
WALLACE, W.N.W., 510
WARREN, W.H., 137
WATSON, D.R., 670
WATSON, T.G., 511
WATTERSON, G.A., 671
WAUCHOPE, M.L., 512
Wave, equation, 556
   functions, 635
   length, 642
   mechanics, 625
   Waves, 235, 553, 673
WEAPONS RESEARCH ESTABLISH-
MENT, 513
Weather, 87
WEATHERBURN, C.E., 514-522, 536f
WEILER, J. H., 523, 672
WENTWORTH, W.C., 4
Western Australia, 58, 72, 130, 221, 286,
   508,
   University of, 536f
WESTFOLD, K.C., 673
WESTGARTH, W., 21
WHITTEN, W.K., 524
WHITTON, H.W., 86
WICKENS, C.H., 525
WICKES, E.W., 70
WILKINSON, G.N., 674
WILLIAMS, E.J., 530
Williams, J.M., 214f
WILLOUGHBY, H., 165
WILSON, J.P., 106
WILSON, Robert, 533-541
WILSON, Roland, 542-544
WILSON, W.P., 77, 78, 375, 605
WILTON, J.R., 545, 546, 675
Wireless, 490
WOOD, H., 547
WOODHEAD, R.W., 676
Woodhouse’s method, 526
WOOLNOUGH, W.G., 406
WRIGHT, H.J., 548
WRIGHT, S., 30
X-rays, 642

YAXLEY, B.G., 677
YEO, G.F., 678
YORSTON, R.K., 549, 549f
Young Men’s Christian Association, 31
YOUNG, J.H., 629
YOUNG, J.L., 31
Zeno, 592
ZUBRZYCKI, J., 550
REFERENCES (further to those in the main text)


