



One Grand Chain

The History of Anaesthesia in Australia 1846-1962
Volume 1 1846-1934

Book of References



*This book is a detective story.
Historians, who, like me, know little about
medical research, will take pleasure not only
in the clarity with which technical events
are described but in the
stamina and ingenuity which
Dr. Wilson shows in hunting evidence.*

Geoffrey Blainey

Gwen Wilson

Edited by Alison Holster and Jeanette Thirlwell Jones

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AUSTRALIAN AND NEW ZEALAND COLLEGE OF ANAESTHETISTS

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The following libraries and their staff were consulted: Birmingham University, British Library, Medical Journal of Australia, Mitchell Library Sydney, Monash University, National Library of Australia, The Royal Women's Hospital Melbourne, State Library of New South Wales, State Library of South Australia, State Library of Victoria, State Library of Western Australia, State Records Office of Western Australia, Sydney Dental Hospital, University of Melbourne and its Biomedical Library, Biomedical Library of the University of New South Wales, Burkitt-Ford Library and Medical Library of the University of Sydney. Our thanks to them all.

Our grateful thanks are given to Richard Bailey, Honorary Librarian, Richard Bailey Library of the Australian Society of Anaesthetists, for accepting the arduous task of proof-reading. Many thanks Richard.

Our work was helped enormously by the unfailing co-operation of Peter Lawrence, Executive Director, Australian Society of Anaesthetists, and his staff. Thank you all.

The History of the Book of References

When *One Grand Chain* was published in 1995 it lacked references, for various reasons. Gwen Wilson had listed many of the references in draft form. Some pages have no references. It is possible that Dr Wilson had intended to go back and record them later, but did not have time to do so before the book went to the printer. Perhaps some of the events and situations were learnt from other anaesthetists who were founders of the Australian Society of Anaesthetists or perhaps some were the common knowledge of the profession during Dr Wilson's working life as an anaesthetist. We had hoped to find the unrecorded references, but have so far been unsuccessful. The search would provide a worthwhile project for a library student/student of anaesthetic history.

A Plea from the Editors

When Dr Wilson read the periodicals for her book she was able to obtain them easily in various libraries. When we, this year, sought the same periodicals, we found that much had changed. Either the periodicals were in storage, or the runs were not complete, and some titles seemed no longer to be held by any Australian library. We know that Dr Wilson spent many hours in the library of the Australian Medical Association, Victorian Branch. The historical part of that library has since been dissolved and dispersed, during which time two nineteenth-century Australian medical journals—*The Melbourne Medical Record* and the *Medical Record of Australia*—seem to have disappeared altogether. The AMA Victorian Branch Library was the only Australian library holding a complete set of the former (Ford E. *Bibliography of Australian Medicine 1790-1900*. Sydney: Sydney University Press, 1976).

We sent an email to the British Library, as its on-line catalogue includes these titles, but were told they were destroyed during the Second World War. It would be a joy to us to learn that they were held in Australia.

The other thing which has become evident during our work on this bibliography is the importance of the *Transactions* of the Intercolonial and Australasian Medical Congresses (1887-1934). The transactions not only include the papers of speakers, but also document in detail the general business meetings, including discussions and remarks (some excited or cross) of the participants. At these business meetings solutions were sought to the social, professional and political problems of late nineteenth- and early twentieth-century Australia which affected the practice of medicine. We fear that these treasures of Australian social history and Australian medical history may not be valued by their custodians, and plead with librarians and historians to fight for their survival in libraries. An additional pleasure and interest the transactions give to the reader is the detailed account of entertainments provided at congress functions—another piece of Australian social history which is either not now recorded, or is briefly itemised in the ephemeral programme booklets. Our thanks are due to Gwen Wilson for the detailed treatment she has given these congresses. They are worth reading and indeed are treasures.

Alison Holster

Jeanette Thirlwell Jones

Errata in One Grand Chain, Volume 1

- Page 90 para 8:* for Emmanuel read Emanuel.
Page 120 para 2: for B. Duncum read A. Garran.
Page 122 para 3: for “a lecture by James Syme in 1885” read 1855.
Page 129 para 4: for Dr William Gilbee read Dr William Gillbee.
Page 158 para 7: for Zucifel read Zueifel.
Page 227 para 2: for 1909-1901 read 1909-1910.
Page 229 para 5: for “In 1903 came news” read “In 1902 came news”.
Page 346 para 3: for Sir Maui Wiremu Fita Naura read Sir Maui Wiremu Pita Naera.
Page 353 para 1, page 451 para 2: for Sir Joseph Bancroft read Sir Joseph Barcroft.
Page 432 para 8: for Colonel J.L. Purdy read Colonel J.R. Purdy.
Page 480 para 4: for Goodman and Gilman (1947 ed.) read (1941 ed.).
Page 540 para 3, page 545 para 10: for Arthur A Marten read Arthur A Martin.
Page 540 para 5: for Philipps Heymann read Phillip Heymann.
Page 551 para 1, quotation: for “fast pump” read “foot-pump”.
Page 557 para 1: for Basil Kilmington read Basil Kilvington.
Page 559 para 3: for Dr. F.H. Maguire read Dr. F.A. Maguire.
Page 564 para 1: for L.J. Clendinnen read F.J. Clendinnen.

Abbreviations of Periodicals

Anaesth Intensive Care	Anaesthesia and Intensive Care
Anesth Analg	Anesthesia and Analgesia
Ann Surg	Annals of Surgery
Arch Intern Med	Archives of Internal Medicine
Arch Klin Chir	Archiv für Klinische Chirurgie
Aust J Dent	The Australian Journal of Dentistry
Aust Med Gaz	Australian Medical Gazette. 1869-1871. Melbourne. Has no volume numbers
Aust Med J	Australian Medical Journal. Vol 1-2 no 3 (1846/1847-1847). Sydney
Aust Med J	Australian Medical Journal. Vol 1-23 (1856-1878). Melbourne. Medical Society of Victoria. Continued by The Australian Medical Journal (new series)
Aust Med J (new ser)	The Australian Medical Journal (new series). Vol 1-17 (1879-1895). Melbourne. Medical Society of Victoria. In 1896 amalgamated with Intercolonial Quarterly Journal of Medicine and Surgery to form Intercolonial Medical Journal of Australasia
Aust Med J	The Australian Medical Journal. Vol 15-16 (1910- 1911), vol 1 (new ser) (1911), vol 1 (pt 2) (new ser) (1912), vol 2-3 (new ser) (1913-1914). Melbourne. Victorian Branch of the British Medical Association. Continues volume numbering of Intercolonial Medical Journal of Australasia for vol 15 (1910) and 16 (1911); then begins numbering from vol 1 (new series). In 1914 amalgamated with the Australasian Medical Gazette to form The Medical Journal of Australia
Aust NZ Coll Anaesth Bull	Australian and New Zealand College of Anaesthetists Bulletin
Aust NZ J Surg	The Australian and New Zealand Journal of Surgery
Australas Med Gaz	Australasian Medical Gazette. Vol 1-35 (1881/1882- 1914). British Medical Association. Amalgamated with The Australian Medical Journal to form The Medical Journal of Australia
Botanical Gaz	Botanical Gazette
Br J Anaesth	British Journal of Anaesthesia
Br Med J	British Medical Journal

Bull Post-Grad Comm Med Univ Syd	Bulletin of the Post-Graduate Committee in Medicine University of Sydney
Can Med Assoc J	The Canadian Medical Association Journal
Centralbl Chirurg	Centralblatt für Chirurgie
Curr Res Anesth Analg	Current Researches in Anesthesia & Analgesia
Dent Mag Oral Topics	The Dental Magazine and Oral Topics
Fortschr Med	Fortschritte der Medizin
Gen Pract Australas	The General Practitioner of Australasia
Illus Lond News	The Illustrated London News
Intercol Med J Australas	Intercolonial Medical Journal of Australasia
Interstate Med J	Interstate Medical Journal
J Am Med Assoc	Journal of the American Medical Association
J Br Dent Assoc	Journal of the British Dental Association
J Exp Med	Journal of Experimental Medicine
J Lab Clin Med	The Journal of Laboratory and Clinical Medicine
Johns Hopkins Hosp Bull	The Johns Hopkins Hospital Bulletin
Med J Aust	The Medical Journal of Australia
Med Mag	Medical Magazine
Med Rec Aust	Medical Record of Australia. 1861-1863
Med Surg Rev Australas	The Medical and Surgical Review (Australasian). 1863-1865
Melbourne Hosp Clin Rep	The Melbourne Hospital Clinical Reports
Melbourne Med Rec	Melbourne Medical Record. 1875-1877
Nebr Med J	Nebraska Medical Journal
NS Wales Govt Gaz	The New South Wales Government Gazette
NS Wales Med Gaz	The New South Wales Medical Gazette
NY Med J	New York Medical Journal
NZ Med J	New Zealand Medical Journal
Philos Trans R Soc Lond	Philosophical Transactions of the Royal Society
Proc R Geog Soc Australas (S Aust Branch)	Proceedings of the Royal Geographical Society of Australasia (South Australian Branch)
Proc R Soc Med	Proceedings of the Royal Society of Medicine
Proc Soc Exp Biol Med	Proceedings of the Society for Experimental Biology and Medicine
Surg Gynecol Obstet	Surgery, Gynecology and Obstetrics

Additional Abbreviations

GWAP	Gwen Wilson Archive Project, Australian and New Zealand College of Anaesthetists and Australian Society of Anaesthetists
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Note on Entry Layout

As there are no reference numbers in the text of *One Grand Chain*, the references are listed in this volume by page and paragraph numbers. For example:

Page 20 para 7. Cartwright FF. The English pioneers of anaesthesia (Beddoes, Davy, and Hickman). Bristol: John Wright & Sons, 1952; 316.

When a paragraph continues from the bottom of one page to the top of the following page, the incomplete paragraph is listed as "para 1".

When a quotation is cited it is referred to as part of the previous paragraph, unless it continues from one page to the next. It is then counted as the first paragraph (see page 167 of *One Grand Chain*). When the quotation consists of more than one paragraph it is counted as one paragraph (see page 498 of *One Grand Chain*).

Paragraphs preceded by numbers are counted as separate paragraphs (see page 559 of *One Grand Chain*) but numbered lists are regarded as one paragraph (see page 465 of *One Grand Chain*).

The first and last pages of periodical articles are given, not just the page of the aspect discussed or quoted.

The subheadings used by Dr Wilson are included in this book of references as an aid to locating paragraphs.

The references have been checked where possible, but there were occasions when, despite persistent effort, they were not available. More is said about this under the heading "The History of the Book of References" and "A Plea from the Editors".

From time to time Dr Wilson referred to her *Bibliography of References to Anaesthesia in Australian Medical Journals 1846-1962*, published in Melbourne, Faculty of Anaesthetists, Royal Australasian College of Surgeons, [1988]. In such a case we decided not to reproduce all the references as it is hoped a reader will refer to that bibliography.

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Page xviii para 1. Davy H. Researches, chemical and philosophical; chiefly concerning nitrous oxide. A facsimile reproduction. London: Butterworths, [1972?]; 578.

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1847 in Australia

A Long Voyage of Discovery

Page 2 para 7. Pugh WR. Original cases and communications [letter]. Aust Med J 1846/1847; 1:141-142.

Page 3 para 7. Wilson G. The news spreads along the trade routes of the British Empire. In: Atkinson RS, Boulton TB, editors. The history of anaesthesia. Proceedings of the Second International Symposium on the History of Anaesthesia; 1987; London. London: Royal Society of Medicine Services, 1989; 134-146.

Page 5 para 3. McCrae G. Georgiana's journal: Melbourne 1841-1865. Edited by Hugh McCrae, grandson of the diarist. With a short account of her life by Sir Norman Cowper. 3rd ed. Sydney: William Brooks, 1978; 205.

Page 5 para 5. Crowther WELH. Dr E.S.P. Eedford and his hospital and medical school of Saint Mary's, Van Diemen's Land. Med J Aust 1944; 2:25-32.

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Page 7 para 6-page 9. Perry F. Australian sketches: the journals & letters of Frances Perry. Edited by A de Q Robin. Carlton, Victoria: Queensberry Hill Press, 1983; 29-66.

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Page 12 para 5 - page 16 para 2. Howarth D. Howarth S. The story of P&O; The Peninsular and Oriental Steam Navigation Company. London: Weidenfeld and Nicolson, 1986; 23-42, 71-85.

Page 13 para 1. Late European news. South Australian 1847 May 4:3.

The News of Anaesthesia Arrives

Page 16 para 3. Operations under the influence of ether. South Australian 1847 May 4.

Eastern Australia

Page 17 para 4. Sykes WS. Essays on the first hundred years of anaesthesia, vol 1. Edinburgh: E & S Livingstone, 1960; 60.

Page 18 para 3. Burrows EH. A history of medicine in South Africa up to the end of the nineteenth century. Cape Town: AA Balkema, 1958; 170.

Page 18 para 3. Laidlaw PW, Gelfand M. South Africa: its medical history 1652-1898. A medical and social study. Cape Town: C Struik, 1971; 128.

Page 20 para 7. Cartwright FF. The English pioneers of anaesthesia (Beddoes, Davy, and Hickman). Bristol: John Wright & Sons, 1952; 316.

Page 21 para 3. The new discovery in surgery. Sydney Morning Herald 1847 May 18:5 (col 7), 6 (col 2).

Western Australia

Page 22 para 6. Painless surgical operations. Inquirer (Perth) 1847 June 9:2.

Page 24 para 2. Inquirer (Perth) 1847 May 4:3 (col 2), May 18:3 (col 1).

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New Zealand

Page 26 para 4. New Zealand Spectator and Cook's Strait Guardian 1847 June 2:2 (col 2).

Page 26 para 5. Latest English news. New Zealand Spectator and Cook's Strait Guardian 1847 June 9:2 (col 4).

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The First Anaesthetics in Australia and New Zealand

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Dr Colin Buchanan

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Page 50 para 5. Phillip Parker King to the directors, Australian Agricultural Company 1840 September 15. Noel Butlin Archives Centre, Australian National University. Australian Agricultural Company 78/1/16.

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William Russ Pugh

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Page 58 para 4. State Archives of Tasmania GO 33/69/1003.

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Page 59 para 2. Supreme Court, civil sittings. *Launceston Examiner* 1842 October 8:244 (col 2-4), 245 (col 1-2).

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Sydney

Page 90 para 8-page 91 para 1. [Advertising by Mr Norrie and Mr J Emanuel]. Aust Med J 1847; 2(1): unnumbered page before page 1; 1847; 2(2): two unnumbered pages before page 13; 1847; 2(3): second of two unnumbered pages after page 36.

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Hobart

Page 91 para 3. Inhalation of sulphuric ether. Hobart Town Courier and Gazette 1847 June 19:2 (col 4).

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Perth

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Queensland

Page 93 para 5. Cramond T. "A transient popularity": Queensland's early anaesthetists. *Anaesth Intensive Care* 1990; 18:252-264.

The First Anaesthetics in New Zealand

Page 94 para 5. Hutchinson BR. A brief history of anaesthesia in New Zealand. *NZ Med J* 1992; 105:175-177.

Page 94 para 5. St George I. Early anaesthetics in New Zealand [letter]. *NZ Med J* 1992; 105:272. Comment on: Hutchinson BR. *NZ Med J* 1992; 105:272.

The Transition

Page 96 para 9. Dunlop NJ. An essay relating chiefly to anaesthetics and their introduction to Australia and Tasmania. *Med J Aust* 1927; 1:141-152.

Chapter 3

Chloroform: Boon or Bane? 1848-1887

The Introduction of Chloroform in Australia

Page 116 para 1. Painless surgery. Sydney Morning Herald 1848 March 3:2 (col 6).

Page 116 para 3. Intelligence. Sydney Morning Herald 1848 March 29: 2 (col 1, 2).

Page 116 para 3. Editorial. Sydney Morning Herald 1848 March 31:2 (col 3).

Page 116 para 6. Late English news. Sydney Morning Herald 1848 April 6:4 (col 4).

Page 116 para 6. English news. Sydney Morning Herald 1848 April 8:3 (col 7).

Page 116 para 7. Domestic intelligence. Sydney Morning Herald 1848 April 12:3 (col 1).

Charles Nathan

Page 117 para 1. Cooper MG. Dr. Charles Nathan—his contribution to colonial Australian anaesthesia. *Anaesth Intensive Care* 1991; 19:261-264.

Page 117 para 3-page 118 para 1. Obituary notice. Charles Nathan, F.R.C.S. of England. *NS Wales Med Gaz* 1872/1873; 3:43.

Page 118 para 1. Mackerras C. Nathan, Charles (1816-1872). In: *Australian dictionary of biography*, vol 5: 1851-1890, K-Q. Carlton, Victoria: Melbourne University Press, 1974; 327.

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Page 118 para 5. Charles Fitzgerald, Governor of Western Australia, to Rt Hon Earl Grey 1850 July 19. State Records Office of Western Australia accession 390 vol 5 despatch no 47.

The First Death from Chloroform in Australia

Page 118 para 6. Sydney Morning Herald 1848 July 22:2 (col 7).

Page 118 para 6. Cooper MG. The first reported death associated with anaesthesia in Australia. *Anaesth Intensive Care* 1991; 19:265-266.

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Page 148 para 3. Extracts from medical & scientific literature. A few observations on carbonic acid gas as a local anaesthetic in uterine diseases &c. *Aust Med J* 1857; 2:68-69.

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