

Garry Tee box #21 “Babbage” contents

Outline list of contents prepared by Brian E. Carpenter

9 June 2025

Summary

This box mainly contained six lever-arch ring binders left by Garry Tee labelled “Babbage 1” through “6”. The dates covered are mainly 1980 to the late 1990s. There was also a binder “Darwin 2”¹.

At least half the contents are letters to and from other scholars or individuals such as Babbage relatives. The earlier outgoing letters are either scrawled drafts or (before 1983) bright blue carbon copies that seem to have come from Garry’s own portable typewriter; often these are on the back of each other or even on the back of incoming letters, as if Garry was economising paper in World War II style. After 1983, he mainly kept photocopies of his letters. In a few cases, incoming telefaxes on heat-sensitive paper have faded to illegibility. Other contents include off-prints of papers, handwritten research notes, and photocopies of significant archive documents. Where not otherwise noted, the material concerns Charles Babbage (1791-1871) or his descendants, or Augusta Ada King, née Byron, Lady Lovelace, referred to as “Ada.”

The “Darwin 2” binder chronologically preceded “Babbage 1” and mainly covers Garry’s work on Charles Darwin’s visit to the South Pacific, including New Zealand. I have not studied it in detail.

Biography

Garry John Tee (1932-2024) was born and grew up in New Zealand, the son of a construction worker. He attended Seddon Memorial Technical College (now Auckland University of Technology), and by 1954 he had an M.Sc. in mathematics from Auckland University College. After a spell in Perth, Australia (employed as a ‘computer’), in 1958 he joined the English Electric Company at Whetstone, near Leicester, England, where he programmed a DEUCE computer, presumably the first native New Zealander to do so. He started his academic career at the University of Lancaster in 1964, moving to the University of Auckland in 1968, teaching mathematics and computer science there until retirement. He was also New Zealand’s first historian of computing, among other things discovering in 1981 a component of Babbage’s Difference Engine that a Babbage descendant had brought to Whanganui.

Loose items

1. Doron Swade, “Charles Babbage and his Calculating Engines”, Science Museum, London, 1991. Booklet dedicated to Garry by Don Raynes in 1998.
2. Empty letter file inscribed Vaughan College Lectures, 1959-1963, marked with Garry’s address in Leicester (49 Holmfield Rd²), from his time at English Electric. Lecture titles noted: Thermo-Elasticity, Mathematical Logic, Probability, Infinity, Number Theory, Groups. Vaughan College in its original form no longer exists (<https://vaughan.coop/>).
3. Letter & preprint about Babylonian mathematics from Marvin A. Powell, Northern Illinois Uni, Jan 17, 1979.
4. Several unused sheets of blue carbon paper.
5. V. Ya. Pan, “New Combination of Methods for the Acceleration of Matrix Multiplication”, Tech Report 80-1, CS Dept, SUNY Albany, Jan 1980.
6. J. J. Cross and D. J. Morley, lecture notes for “History of Modern Mathematics” course at the University of Melbourne, 1978.
7. Several calendars and magazines about diving and underwater photography (Garry’s hobby).
8. The 1952 and 1953 issues of *Raucous*, the journal of O’Rourke House, the Auckland University College hostel where Garry lived at that time.
9. Personal ephemera, including a photo of Garry at a relaxed moment (taken in Victoria, Australia?) on April 30, 1978.



¹ The past tense is used as the binders were dilapidated and were discarded. The contents have been retained in bundles corresponding to each binder.
² 49 Holmfield Rd is 1.7 km from where Brian Carpenter lived at that time.

Ring Binders

Garry exchanged letters with a large number of informants and scholars. Most of these are listed in a separate section at the end, covering all six binders. What follows is not a complete list of contents of the binders – for example only selected press clippings are mentioned, and most individual letters are not mentioned.

Babbage 1

Letters and reprints etc. between October 1980 and March 1982. Garry moved from Auckland to a sabbatical at UCL in January 1982. This binder covers the exciting period in early 1981 when Garry uncovered the Babbage family connections to NZ and Australia and the relics held at the Wanganui³ Regional Museum and by some descendants. It also covers the trauma of Garry's brain tumour, operation, and convalescence in the latter part of 1981. One of Garry's scribbled draft letters describes his neurosurgical adventure: 39 days in intensive care, a 12 hour operation to remove a brain tumour, plus an extra 4 hours to reconnect facial nerves. This was in July/August 1981.

On February 11, 1981, A. S. R. Parker, the archivist of the Wanganui Regional Museum, wrote with the exciting news that the museum held a large collection of Babbage material, enclosing a photostat of the manuscript draft of Babbage's "advertisement he presumably inserted in the *Times* of 1835." This was Garry's first breakthrough. He soon visited Wanganui to inspect and photocopy the manuscripts.

Photocopied extract from George Grey, "Journals of Two Expeditions of Discovery..." published in 1841, in which Grey named geographical features after Babbage and others.

Transcription of some letters from the Babbage papers in the British Library.

On 11 March 1981, H. G. Babbage of Glendowie, Auckland wrote to Garry with memories of his grandfather Charles Whitmore Babbage (grandson of *the* Charles Babbage), who farmed in Taranaki and possessed Babbage relics. His (Charles Whitmore's) sons farmed in the Kawhia area and had "a lot of the original tools and wheels". Garry followed the breadcrumbs, and on 2 April 1981, he wrote to Jean Babbage, widow of Alfred Alister Babbage (1904-1978, another grandson of Charles Whitmore), about having examined "the fragment of Babbage's calculating engine" (actually a fragment of the Difference Engine) "last Sunday," i.e. 29 March 1981. This was Garry's second breakthrough. Incidentally, the letter from H. G. Babbage makes it highly unlikely that the relics in question were only sent to NZ in the 1940s, as Alister John Babbage claimed in 1995 (see Binder 5 below).

Generic letter sent in April 1981 to about 16 Babbages in the Sydney phone book, plus a photocopy of the relevant page of the phone book.

Photocopied extracts from *Mechanics Magazine* in 1835, mentioning Babbage.

Photocopied extract from "Collier's thesis" sent by Brian Randell, n.d. (probably May 1981).

A printed Babbage family tree covering 1633-1973, with handwritten additions up to 1979. (Prepared by Neville Francis Babbage, Sydney. An overlapping fragment of the tree can be accessed at <https://www.wikitree.com/wiki/Babbage-82>.)

Notes from visit to Stuart Barton Babbage 10 May 1981

A draft of Brian Randell, "A Mysterious Advertisement" dated June 3, 1981 (and an earlier draft, and a photocopy of the original ad in *The Times* on 3/3/1835).

Draft of Garry's "The Heritage of Charles Babbage in Australasia," n.d., about July 1981

Photostats of a postcard or envelope from Babbage to John Evans and of a note to "Mrs Lewis" dated 2 July 1846

Preprint of Garry's "Relics of Charles Babbage in New Zealand" dated 21/6/81 but posted to CBI 21 July 1981

Material from the Alexander Turnbull library about the artist Herbert Ivan Babbage (1875-1916)

³ Now officially spelled *Whanganui*, but only the old spelling is found in Garry's papers.

Materials from the Totnes Museum, UK (Babbage's birthplace)

Photocopy of an 1843 letter from Babbage to Gideon Mantell, archived at the Alexander Turnbull library.

Draft of Allan G Bromley, "Babbage's Calculating Engines" (Introduction), 1 December 1981

A letter from Maurice Wilkes in January 1982 corrects some facts about the MOTAT Meccano differential analyser. Garry's correspondence with Wilkes lasted for years, and Wilkes was very interested in Babbage. One of his letters was handwritten from the Athenæum. Another was written on Digital Equipment Corp. letterhead on Dec 7, 1982, with polite remarks about Hartree and a rather rude one about a "Ferranti salesman" called Bowden. On 30 January 1985, he wrote "Dear Garry, [May we not now address each other by first names?]. After several years at DEC in Massachussets, he returned to Cambridge working at Olivetti Research, but stayed in touch with Garry.

Transcription by Garry in March 1982 of some letters from the Babbage papers in the British Library.

A few photocopies of Babbage's letters found in NZ (presumably some of those held in Wanganui and already sent to CBI and the Science Museum).

A reprint of O. I. Franksen, "Mr Babbage, the Difference Engine, and the Problem of Notation," *Int. J. Eng. Sci.*, **19**(12) 1657-1694, 1981.

Babbage 2

Letters and reprints etc. (mainly) between March 1982 and August 1983. Garry was at UCL for most of 1982, moving in late November to the University of Newcastle, UK. He spent most of January 1983 slowly crossing the US from East to West (via New Orleans) with about 20 lecture stops, almost one per week day. His main talk was about his Babbage discoveries, and he started by giving it once in the Boston area, at MIT on Jan 4, 1983 at 4 p.m., and then on Jan 6 at IBM Research, Yorktown Heights. Garry returned to the University of Auckland in February 1983. In a letter to Al Van Sinderen dated 8 March 1983, he says "I gave the last lecture at University of California Irvine on 31 January & on 1 February I staggered onto a plane leaving LA for Auckland 3¼ hours before my 1-year ticket expired."

After he got back to the University of Auckland in February 1983, the bright blue carbon copies stopped, replaced by photocopies. Apparently the CS Department had finally acquired a photocopier! Also the typeface changed to a clearly electronic one. (There was a brief return to blue carbon copies in May 1985 – probably a few letters that Garry typed at home.)

A. W. Van Sinderen, The Printed Papers of Charles Babbage, *Annals of the History of Computing*⁴ 2(2) 169-185, 1980.

Handwritten notes and transcriptions on UCL letterhead

Donald F Lach, "Leibniz and China," *J of the History of Ideas*, **VI**(4) 436-455, 1945.

Article in Russian from 1979 by A K Petrenko and O L Petrenko "The Babbage machine and the origin of programming", *Istor.-Mat. Issled.*, Moscow, "Nauka", No. 24 (1979), 340-360. See <http://panda.ispras.ru/~petrenko/>. There is a handwritten note "Dictate translation for M C-K" [Martin Campbell-Kelly]. However, Martin has not found this translation in his own archive.

With a covering letter from Maurice Wilkes dated 12 May 1982:

- Photocopied official Babbage records in South Australia (1851-1853), stamped "M. V. Wilkes Jun 1972"
- Photocopied historical info from the State Library of S Australia about Benjamin Herschel Babbage, dated 1954, stamped "M. V. Wilkes 31 May 1972"

Draft of Garry's "The Heritage of Charles Babbage in Australasia" dated 12 May 1982 (published in the *Annals* in 1983)

Off-print of J. B. Delair, "Notes on an Armoured Dinosaur from Barnes High, Isle of Wight"

4 Referred to simply as the *Annals* from now on

Reference to “Sources: Charles Babbage Materials in New Zealand and Australia” in *Historia Mathematica*.

Programme of NPL meeting on Babbage, to be held 10 December 1982

Transcript of letters of Edvard Scheutz to Babbage. Correspondence with O. I. Franksen includes these, and other source material about Babbage’s work on cryptography.

An annotated draft of Garry’s *Annals* paper from July 1982.

Corrected draft of article for the *NZ Listener*: Elsie Locke⁵ and Garry J. Tee, “The Governor, the Gaoler and the Genius”. Covering letter to Locke is dated 30 July 1982. (Babbage had “befriended the young George Grey”, later Governor of NZ. He had also recommended Henry Monson, a destitute builder, to Grey, who appointed Monson as the official gaoler in Otago. It all makes a good story. Elsie Locke had published a book “The Gaoler”, Dunmore Press, 1978.)

Sadly the article was rejected by the *NZ Listener* (letter from Elsie Locke, 28.8.82). But later it was accepted by *COMMENT* (letter from Elsie Locke, 30.11.82), although it never appeared there. (See Babbage 3 below.)

Another full draft of the *Annals* paper, dated 28 July 1982.

Formal proposal to CBI for a reprint of “An Account of the Life... of John Napier” (1787)

Photocopy of “Ciphers and Cipher Writing”, signed G.P.B., Macmillan’s Magazine, 23, 328-338, 1871 (sent by O. I. Franksen).

John R. Payne, Austin, Texas, (presumably the founder of FirstCash, <https://en.wikipedia.org/wiki/FirstCash>) wrote for advice on how to build a collection of Babbage memorabilia. Garry replied on 3 October 1982, writing as if to a scholar rather than a plutocrat.

A curious correspondent who first showed up in Binder 1 was Stephen Skinner, living in Barbados. His letters include a picture postcard signed “Steph” and a handwritten letter signed “Steve”, as well as typed letters. He appears to be an independent scholar wishing to do a Ph.D. on evolution at Cambridge, but with a connection to Otago U⁶. Eventually, Garry sent a very lukewarm recommendation for him to Peter Cathercole, Darwin College, Cambridge.

[Skinner first shows up in the Darwin 2 folder in May and July 1980, living in Hataitai, Wellington. “I’m an amateur historian of ideas.”]

[Darwin 2 also contains the script of “Charles Darwin in New Zealand” recorded for Radio NZ on 23-4-80, and broadcast on the Concert Programme at 9 p.m. on May 12, 1980.]

During October 1982, Garry spammed multiple contacts in the USA (including Dorothy Stein in Hawaii) soliciting lecture opportunities during his return journey to Auckland in January 1983. On offer: talks about “Babbage, or about Comrie & Aitken, or about the pioneering women mathematicians.” Other letters were simply plugs for his *Annals* and *Historica Mathematica* publications. I have not added all the recipients to the list below. This was a very laborious form of spamming, in the days when email was still over the horizon for most academics. At this stage Garry was selling his historical discoveries as hard as he could.

Carbon copy of summary of the “Relics” lecture [see below] sent on 17 October 1982.

A letter to Paul A. Samet dated 31 October 1982 quotes Anthony Hyman saying that in about 1948 he heard Hartree say that “eventually there might be a need for as many as 10 electronic computers - in the world!”

Typescript summary of “Relics of Charles Babbage in Australasia” prepared for the AGM of the British Society for the History of Mathematics on 20 December 1982, sent out to members on 10 November.

Photocopy of NYT book review by Redmond O’Hanlon of “Charles Babbage” by Anthony Hyman, review dated Nov 14 1982. Sent to Garry by “Ralph”.

⁵ Yes, that Elsie Locke: https://en.wikipedia.org/wiki/Elsie_Locke, [https://natlib.govt.nz/items?i\[collection_any_id\]=3729&i\[-category\]=Groups](https://natlib.govt.nz/items?i[collection_any_id]=3729&i[-category]=Groups)

⁶ In this document “U” means “University [of]”

Handout for the meeting “The Life and Work of Charles Babbage” at NPL, 10 December 1982. Includes synopses of lectures by Anthony Hyman, J.M. Dubbey, Allan G. Bromley, and G. J. Tee. About 70 attendees including Basil de Ferranti, Lord Bowden, Martin Campbell-Kelly, Mary Croarken, T. H. Flowers, S. H. Levington [sic], B. Randell, and J. H. Wilkinson. Donald Davies is not listed but was certainly there (his letter of thanks to Garry dated 14 Dec 1982 says so).

Set of about 25 abstracts for the conference “The History of Science in New Zealand”, Wellington, 12-14 February 1983. Includes “Charles Babbage (1791-1871) and his New Zealand Connections” by Garry J. Tee. [Eventually published by RSNZ in 1984.]

The Director, T. J. Watson Research Center, IBM, Yorktown Heights sent Garry a Telex in December 1982. The first sign of modern telecommunications! He offered Garry a lecture slot on Jan 6, 1983, and the talk was well received according to the letter of thanks sent by Denos C. Gazis dated Jan 7, 1982 [sic]. Garry was given an honorarium of \$250, but pocketed only \$175 due to withholding tax – and he never filled out his 1040NR US Nonresident Alien Income Tax Return for 1982, which is still in the ring binder.

“He Invented the Computer - Before Its Time” by B. V. Bowden, photocopy from *IBM THINK* magazine, July 1960, 28-32. This quite delightful article includes an account of Bowden’s visit to Lady Wentworth, Ada’s grandduaghter, which is not mentioned in his contribution to “Faster than Thought”.

Photocopy from the Yale library of an 1834 letter from “ever yours, Mary Sommerville” to “My dear Miss Byron”, arranging to meet at “Mr Babbage’s.”

The *Annals* paper was published in Jan 1983 and Garry paid for 200 spare copies, on top of the 50 he received automatically as an author. (Those were the days. Today, *Annals* authors don’t get a single hard copy, and readers have to deal with a paywall.) During the first half of 1983 Garry sent out a lot of copies with covering letters, not listed here.

Clipping from *The Press*, 26/3/83, “Charles Babbage – Genius who shaped our era” by Paul Wallace (does not mention NZ connection). Covering note is from Andy Thomson. Available at:
<https://paperspast.natlib.govt.nz/newspapers/CHP19830326.2.93.1>

[Babbage was all the rage in 1983:
<https://paperspast.natlib.govt.nz/newspapers/CHP19830903.2.108.2>
<https://paperspast.natlib.govt.nz/newspapers/CHP19830726.2.90.8>]

Clipping from *The NZ Listener*, July 19, 1983: “Babbage’s steam computers”, featuring Garry.

Attached to a letter to the artist: a photo of “Computation”, a relief on the wall of ASB’s HQ building on Wellesley St, Auckland, by Christopher Vine, dated July 1983.

Photocopies with a cover note from Maryann Michael:

- List of “works by the same author” (presumably Charles Babbage)
- Newspaper obit of General H. P. Babbage in 1918, the last surviving son.

A letter to Graham Tate at Massey asking about his experience with the NZ Treasury’s IBM 650. (No answer found.)

Babbage 3

Letters and reprints etc. (mainly) between August 1983 and June 1985. Many of Garry’s letters in this period are headed “The Collected Works of Alexander Craig Aitken” as well as “University of Auckland.” (Apparently he had special letterhead printed. Why?)

Clipping from *Auckland Star*, 8.8.83 “Silicon expert calls up computer history” (about the Difference Engine fragment).

A number of letters to Australian academics as part of Garry’s campaign to have the names of Mount Babbage and Mount Lyell in north-west New South Wales restored to maps. These correspondents are mainly not listed below. A letter from the

Geographical Names Board of NSW dated 14 Sep 1983 effectively said “additional research needed.” Judging by Google, Wikipedia, and Google Maps, the campaign failed.

Clipping from *Christchurch Press*, 3/9/83, “Computer pioneer before his time”, review of the Anthony Hyman biography.

Photo of SIAM review of the Hyman biography.

Confirmation that *COMMENT* magazine was defunct: letter from Elsie Locke dated 7.10.83 with letter to her from John Muirhead dated 2/10/83, plus returned manuscript of “The Governor, the Gaoler and the Genius.” Garry immediately offered it to the historian Judith Binney (as editor of the *NZ Journal of History*) and, when she turned it down, to *New Outlook* magazine (Nov 1983). No reply by 20 Feb 1984. Finally, a negative reply dated March 15, 1984. Next try: *Landfall* magazine (sent 29 March 1984). Rejected, 4 May 1984. Next try: the Federation of Historical Societies, 29 May 1984. Accepted on 30 May! Published as Elsie V. Locke and G. J. Tee, “The Governor, the Gaoler and the Genius”, *Journal of the New Zealand Federation of Historical Societies*, vol 2 no 2, Aug 1984 (<https://natlib.govt.nz/records/23141212>)

Photocopy of Murray Laver, “The birth of computers – A century of catching up with Babbage”, *New Scientist*, 15 Sept 1983, 778-780 and Allan Bromley, “Inside the world’s first computers”, *ibid*, 781-784.

Revised typescript dated 14 Dec 1983 of “Charles Babbage (1791-1872)...” for *RSNZ Bulletin* 21.

Photocopies of 10 letters from Babbage held by Dunedin Public Library, sent by Paul Sorrell, 14 Feb 1984.

Photocopy of biographical sketch of Benjamin Herschel Babbage, from W. A. Norman, “The Centenary of Mitcham” [South Australia], 1953. Garry sent a copy to Maurice Wilkes in Feb 1984. (There is a 2nd copy right at the end of the ring binder.)

Galley proofs of “Charles Babbage (1791-1871) and his New Zealand Connections” for *RSNZ Bulletin* 21. It was finally published at the end of August 1984. But Garry wanted more than the 50 off-prints routinely available, and didn’t understand that this was technically problematic. Letters from the RSNZ editor bear Garry’s comments like “Muddle & confusion!!”, “What the heck? Get them!”, and “Ignorant, Officious and bad-tempered!” The printer wanted \$130NZ for 200 off-prints, which Garry ordered and paid for on September 9, and sent off a peremptory reminder on October 8.

A loose business card from W. R. Williams of NZCS, with a handwritten note “Contribute to 25 year history of NZCS...”; the first hint of what became “From Monsters to Micros” (<https://history.itp.nz/part-3/tee.html>)

List of Smithsonian holdings on Babbage and Quetelet, date March 27, 1984, forwarded by Herman Berg.

In Ring Binder 4 there is more material relating to Berg’s complaint about Van Sinderen’s publication and Berg’s attempts to get suitable recognition. The whole saga is documented in J. Lee, “On “Babbage and Kings” and “How sausage was made”: and now for the rest of the story,” *IEEE Annals of the History of Computing*, vol. 17, no. 4, pp. 7–23, 1995. For a controversial version, see M. Davis, ““Gray Plagiarism”: A Case from the History of the History of Computing,” *Plagiarism: Cross-Disciplinary Studies in Plagiarism, Fabrication, and Falsification*, 70-87, 2006 at <https://quod.lib.umich.edu/cgi/p/pod/dod-idx/case-of-gray-plagiarism-from-the-history-of-the-history.pdf> .

Garry’s letter dated 11 June 1984 to Joan Baum, an aspiring Ada scholar, is worth a read, in particular for its exposition of the allusions to Babbage and Ada in “The Hunting of the Snark.”

A set of photocopied documents and letters apparently originally sent to Herman Berg, covering various historical topics, and including a letter signed by John V. Atanasoff around the time of his *Annals* paper. There is no covering letter to explain why Garry received these. He did write back to Berg, debunking Atanasoff’s claim to have built a computer: “It had no form of if-statement; & accordingly it was a very advanced calculator but not a computer.”

Clipping by Simon Tait, “Summing up sheer genius” from *The Times* (London), March 25, 1988, about Babbage. With that date, it’s in the wrong ring binder.

Copy of the draft appendix “Unnatural Feelings Mental & Bodily” to Dorothy Stein’s Ada biography re illness and medication (covering letter dated 27 November 1984). Garry sent very erudite and detailed comments to Stein on 1984-12-10.

A letter from O. I. Franksen dated 1985-01-31 include a thick package of reviews of Franksen's book ("Mr Babbages's Secret"), about Babbage's pioneering cryptography work.

Photocopied extract from "Old and New London", Edward Walford, c 1897, mentioning Babbage's former house.

A letter from Jack Babbage, Appila, S Australia enclosed a photo of Benjamin Herschel Babbage's grave in St Mary's churchyard in Adelaide.

On 5 April 1985, Maurice Wilkes wrote: "Is your department linked into any of the computer networks?" and gave his ARPANET and CSNET email addresses. He also included a copy of his play "Pray, Mr Babbage", as first performed on December 10, 1982 at the Computer Museum (then in Boston).

Bio information about Benjamin Herschel Babbage supplied by Dennis Cumming (U Adelaide).

Antiquarian book catalogue from Pickering & Chatto (London) including several Babbage items, dated 6/5/85.

In a letter to Roger Needham dated 1985-5-9, Garry reported that Keith Hopper (then at Waikato U, formerly at Massey U) said that he had programmed EDSAC "in the early 1950s" which made Garry "feel rather a novice."

Handwritten notes from a visit to S. B. Babbage on 1985-5-18, and to N. F. Babbage on 1985-5-11, and a photo of Garry in the latter's home.

Photocopy of an extract from Samuel Smiles, "Industrial Biography – Iron Workers and Tool Makers", John Murray, 1905. The extract is the biography of Joseph Clement, who made the Difference Engine for Babbage.



Babbage 4

Letters and reprints etc. (mainly) between May 1985 and March 1988.

Contacts sheets of B&W photographs sent by Alvena Hall, re her Canberra exhibition in which "the Herschel Process... discovered by Sir John Herschel about 1840" was used to "get the photo images onto cloth," which sheds some light on her exhibition. Attached: a description of the exhibition "The Babbage Textiles" by Garry Benson, from *Fibre Forum* 3(3) p.20, 1984 and a press cutting "Documenting computer history" from the *Canberra Times*, October 8, 1984; and Hall's "Artist's Statement."

Extract from "Inventaire de la Correspondance D'Adolphe Quetelet" and material about Sonia Kovalevskaja, sent by Herman Berg.

A marked up "prompt copy" of Wilkes's Babbage play, which was performed as a seminar at U Auckland on 1985-7-17. Cast:

| | |
|------------------|-------------------------|
| Charles Babbage: | Prof. John C. Butcher |
| Charles Few: | Dr G. Alan Creak |
| Payne: | Dr Kevin Burrage |
| Sir Edward Ryan: | Assoc-Prof. R. W. Doran |
| Henry Babbage: | Rick Mugridge |
| Min: | Joanne Lynton |
| Narrator: | Garry Tee |

and finally: "Rule Britannia" was performed by Matthias Otto, on a Macintosh microcomputer.

Photocopies and press cuttings from Herman Berg, including:

- 3 letters from Babbage to Nathaniel Bowditch (Boston Public Library)
- Letter from Herb Grosch (ACM President in 1977)
- A comic (?) letter from Herman Berg to the Federal Home Loan Bank dated December 22, 1979.
- An incomplete Fulbright application for Berg to “study the career of Luigi Federico Menabrea”.

Photocopied material from Duncan Olsson-Steel about the Intercolonial Exhibition of Australasia in 1866, at which B. H. Babbage was the official representative of South Australia.

Colour photos from Duncan Olsson-Steel of the 1985 Babbage display at the Constitutional Museum in Adelaide.

Antiquarian book catalogue from Pickering & Chatto (London) including several Babbage items, dated 26/11/85.

The prospectus for “The Pickering Masters – the first complete editions of Malthus Darwin Babbage”, William Pickering, London, 1986. Babbage was planned to be in 11 volumes @ £500 the lot.

CBI Annual Report, June 1985

A Christmas card from Anthony [Hyman] describes the Stein biography of Ada as “frightful... inaccurate, and hysterically absurd.”

Photocopies (for Herman Berg??) of pages from “Catalogue of Books Printed for Private Circulation” by Bertram Dobell, 1906.

Photocopy of Duncan Olsson-Steel, “The Queerest Fish that Ever Lived”, *LUMEN*, 15(2), 14-15, U Adelaide, May 1986.

Photocopy of 2 pages of galley proofs from “The Small Giant: Sweden Enters the Industrial Era”, Ohio University Press, 1986, with a cover note from Herman Berg on stationery “From the desk of Carl Gustavson, Ohio U”, the book’s author.

CBI Reprint Series Memorandum 18 from Martin Campbell-Kelly (about progress in the series), March 1986. Mentioned only because Garry Tee and Brian Carpenter (editor of Vol. 10 in the series, with R. W. Doran) were both in copy.

Photocopy of Babbage material returned by Joan Baum on August 1, 1986 together with the prospectus for her book “The Calculating Passion of Ada Byron”, Shoe String Press, Hamden CT, Oct 1986.

Photocopy of complete draft of Allan G. Bromley, “Babbage’s Dream Come True: Babbage’s Analytical Engine and Twentieth Century Mechanical Business Machines”, Technical Report 295, Computer Science, U Sydney (37 pages plus figures). Covering letter dated 29 September 1986.

Photocopy of note in *ARCHIFACTS* 1986/3 about more papers donated by Jean Babbage to Wanganui museum.

Corrected proof of Garry’s review of Dorothy Stein’s “Ada: a life and a legacy,” dated 1987-3-16. It is much kinder than Anthony Hyman’s Christmas card review mentioned above.

Draft letter from Duncan Olsson-Steel to *The Australian Physicist* dated 1987 April 1st.

Photocopy of Duncan Olsson-Steel, “The Inventor of the Computer: Charles Babbage”, *Australian Science Magazine*, No. 1, 42-47, 1987.

A “jumble” of photocopies sent by Herman Berg in June 1987 includes a letter from Joan Baum to Berg (May 6, 1987) and a 4 page document from Dorothy Stein dated 5 September 1986 entitled “Mythrepresenting Ada.” It is a response to a review of her book by the Huskeys, caustically referring to “their complete ignorance ... of current standards of historical writing – and of review writing, for that matter.” Ouch!

Compiler’s comment: I found Stein’s book wonderful when I first read it ca. 1986, and Garry’s review suggests politely that Stein probably underrated Ada’s mathematical ability; but the basis of Hyman’s and the Huskeys’ negative reviews is surely mainly due to Stein’s feminist analysis. Apparently mentioning sex and adultery was particularly offensive to the Huskeys.

Photocopy of Herman Berg’s draft *Annals* review of Michael Lindgren’s “Glory and Failure” (n.d., ca. June 1987)

Photocopies of articles about Ada by Dorothy Stein in the *THES* and *The Guardian*; a copy of Lord Bowden's letter to Stein dated 28 September 1986, and a copy of her letter to Lord Bowden dated 7 October 1986 (correcting mistakes he made in his letter). Also further press items, including the published version of Stein's reply to the Huskeys' adverse review, and the Huskeys' snotty response (*ABACUS*, 4(3) pp 7 and 66-67, 1987).

Photocopies (marked 'from Herman Berg') of material from the 4th International Statistical Congress, London, 1860, with comments and a three-page letter by Babbage included.

Issue #1 of *Hindsight* (including a book review by Garry). Copyright date 1987. Address label is to Herman Louis Berg in Detroit. It isn't clear that there was ever an issue #2 (<http://projecthindsight.com/PHASER/web/goldenhind.html>).

Photocopy of Doron Swade, "A sure bet for understanding computers", *New Scientist*, 29 October 1987, 49-51. This is about a Julius-type totalisator from the Harringay dog racing track in London. Garry promptly wrote to Swade on 1987-11-10.

A letter to Herman Berg dated 1987-11-12 agrees to cooperate on a paper for the *Annals* on Babbage's letter to Quetelet. Garry wrote "In the Introduction, I'll take care to be tactful towards ~~Erwin Tomash~~ van Sinderen." (The correction is handwritten.)

A letter to Berg from the *Annals* editor John Lee, Cc: to Garry, dated November 6, 1987, politely declines Berg's proposal to print "mere reproduction of material... without accompanying analysis."

A long letter to Martin Campbell-Kelly covers a photocopied extract from the 43rd meeting of the British Association in 1874 – all to do with the accuracy of mathematical tables. M C-K replied on 12 Dec 1987 with more related information.

Photocopy of A. W. Van Sinderen, "Babbage's Letter to Quetelet, May 1835", *Annals* 5(3) 263-267, July 1983 – filed chronologically between Nov. 29 and Dec. 4, 1987.

Another letter to Berg from the *Annals* editor John Lee, Cc: to Garry, dated December 4, 1987 welcoming Garry's agreement to collaborate "in bringing to the attention of our readers your discovery of the Babbage-Quetelet correspondence."

Minutes of Organizing Committee of the International Conference on Computing 1991 (200th Anniversary of the Birth of Charles Babbage), Nov. 1987. Garry was a "corresponding member" of the committee.

Draft list of contents for M C-K's "Works of Babbage", dated 12 Feb 1988.

Attached to a letter to M C-K dated 1988-2-23, photocopy of several pages from the Institution of Civil Engineers (London) *Proceedings* from 1855-56, where Babbage and his son Henry P. Babbage described Scheutz's Difference Engine.

Photocopy of Simon Tait, "Summing up sheer genius", *Times* (London), 25 March 1988.

Babbage 5

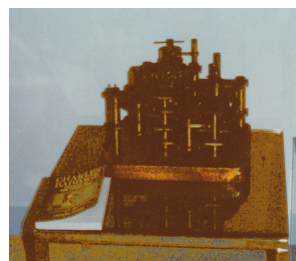
Letters and reprints etc. (mainly) between March 1988 and February 1998. By about 1993, Garry still preferred letters but a few email print-outs were included.

A letter from Olsson-Steel attached a letter from Arthur C. Clarke (dated 23 Feb 1988) and a photocopy of Clarke's short story "The Steam-Powered Word Processor." Garry promptly wrote a fan letter to Clarke.

Doron Swade sent a copy of his article "The 'Irascible Genius' Redeemed", *Science Museum Review*, 1987.

Two photocopied pages from Joan Baum's book on Ada, with annoyed comment "No acknowledgement here to me!"

A poor photograph of an exhibit in the foyer of Babbage Partners, Hereford St, Auckland in 1988. It shows a print of B. H. Babbage's drawing of the 1833 fragment of the Difference Engine, a photograph of Charles Babbages' 1824 gold medal from the Royal



Astronomical Society, and the NZ fragment of the Difference Engine (assembled by H. P. Babbage in 1879). Here's a somewhat enhanced part of the photo.

Photocopy of I. Bernard Cohen, "Babbage and Aiken", Harvard U, about 64 pages, n.d., no citation. The approximate date is August 1988.

Invitation to the launch event (in London) of "The Works of Charles Babbage edited by Martin Campbell-Kelly" on April 4th, 1989.

Off-print of William Kruskal, "Miracles and Statistics: The Casual Assumption of Independence," *J of the American Statistical Assoc.*, **83**(404) 929-940, 1988.

An email printout (finally!) from mvw%cam-ori.uucp@vuw.ac.nz (i.e. Wilkes) to mat_mail@aukuni.ac.nz (i.e. the Maths Department, where Garry was now housed), dated 26 June 1989. By postal mail, Wilkes also sent:

- "The Development of Modern Computers", a lecture Wilkes gave 23 Feb 1988 (apparently unpublished, although there are other archive copies).
- "Charles Babbage – Catalogue of Archival material transferred ... to the [Cambridge] University Library"
- "Herschel, Peacock, Babbage and the Development of the Cambridge Curriculum", 27 June 1989. (Published as <https://doi.org/10.1098/rsnr.1990.0018>)

Photocopy of Donald Langmead, "Mister Babbage's candy-coated concrete castle," *Architecture Australia*, June 1989, 58-61 (apparently sent by Duncan Olsson-Steel). The Babbage in question was Benjamin Herschel Babbage.

Photocopy of Totnes Museum leaflet about Babbage relics (also apparently sent by Duncan Olsson-Steel).

Photocopy of Harvey A. Cohen, "Modelling Boolean Algebra with Tinkertoy of Meccano...", n.d., (probably in [Learn to love mathematics : Mathematical Association of Victoria Seventeenth Annual Conference December 11th & 12th 1980](#))

Material about ICOTS3 (Third International Conference on Teaching Statistics, Dunedin, August 1990). Garry was invented to speak about Babbage and statistics. Includes draft of Garry's paper "Charles Babbage's Contributions to Statistics."

Off-print of M. V. Wilkes, "Herschel, Peacock, Babbage and the Development of the Cambridge Curriculum", *Notes Rec. R. Soc. Lond.* **44**, 205-219 (1990), inscribed to Garry by Wilkes.

Copy of Duncan Steel and Peter Snow, "The Tapanui Region of New Zealand: a 'Tunguska' of 800 Years Ago", n.d., no citation (covering letter dated 1991 August 21).

Mint set of British postage stamps celebrating Faraday, Babbage, Watson-Watt and Whittle. (Commercial value is only about £2, sadly.)

Copy of the academic record at U Auckland of Peter Charles Bonest Phillips (now Professor of Economics and Statistics at Yale). Why?

A few pages copied from "The Ingoldsby Legends" (a 1908 edition) including a reference to "Master Cabbage,... who'd made a machine to calculate with." Followed by some material about Charles Dickens, who probably edited the Ingoldsby manuscript before its original publication.

On 1991-12-23, Garry wrote to Herman Berg apologising that he had "not been able to proceed with our proposed joint paper" [about the Quetelet letter].

On May 15, 1992, Garry met Mrs Peggy Lawless on the train from Wellington to Palmerston North and she turned out to be a Babbage enthusiast. He immediately wrote to her and to David Calder, retired from Wanganui Observatory, who responded by sending a print-out (on a matrix printer) of his paper "Babbage, Charles" (20 pages, printed in July 1992).

In June 1992, John Offenburger (Wellington Polytechnic, retired) sent information about the MOTAT Meccano differential analyser. He was deeply involved in getting it from a cellar in Wellington up to MOTAT for an IBM-sponsored exhibition in 1973.

Photocopy of "National Income Monetary Flow Demonstrator: Operating and Maintenance Instructions," Air Trainers Ltd., Aylesbury, UK, 17 pages, December 1953. In other words, the MONIAC manual. Inscribed "from University of Melbourne."

Manuscript of Garry's "More About Charles Babbage's Difference Engine N° 0" submitted to *Bulletin of the IMA* on 1992-10-7.

Programme of the Enigma Reunion in October 1992, with Catherine Harvey Caughey's name highlighted.

Photocopy of Rob Merrifield, "Track Recording Cars, Ancient and Modern", *The NZ Railway Observer*, No. 212, Summer 1992-93. Asserts that NZ Railways "has used electronic computers since at least 1957..." which is untrue, but they did have IBM 604 electronic *calculators* at that time. The article describes Charles Babbage's part in the battle of the gauges (he was a shareholder in the GWR and invented the first track recording car, to prove that wide gauge was better). Garry promptly drafted an article for *The NZ Railway Observer* that expanded and corrected Merrifield's text. There is no indication that it was published.

Photocopy of Doron D. Swade, "Redeeming Charles Babbage's Mechanical Computer," *Scientific American*, 86-91, February 1993.

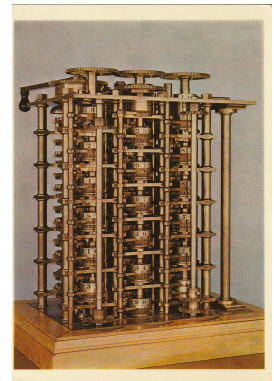
A press cutting "Calculator adds up to \$22 million," *New Zealand Herald*, 1993-5-21 about Christie's in London selling a "19th-century" Schuster calculator for £7.7M, with Garry's handwritten query "18th century?" (It was in fact completed in 1820 and is now in the Deutsches Museum in Munich (<http://www.computer-timeline.com/timeline/johann-christoph-schuster/>).

Photocopy of a review from 1833 in *The Edinburgh Review* of Babbage's "On the Economy of Machinery and Manufactures"

Corrected proof of "More About Charles Babbage's Difference Engine N° 0" dated 1993-7-11.

Off-print of O. I. Franksen, "Babbage and cryptography. Or, the mystery of Admiral Beaufort's cipher," *Mathematics and Computers in Simulation* 35 327-367, 1993.

Two Science Museum picture postcards of Babbage's machines, plus photographs of the exhibition "L'Histoire du Calcul Scientifique" held at CERFACS in Toulouse, France in 1992-93 (which included mention of Comrie as well as Babbage and Ada, thanks to Garry).



Poster for "Transfiguration: History of the Analytical Machine," a 1994 installation by Peter Gibson Smith in Dunedin Art Gallery. Of course, Garry fired off a letter or two.

PR including an *NZ Listener* article about Babbage-inspired carved wooden sculptures by Lee Christiansen, October 1994. Two of his works are now displayed in the Bob Doran Museum of Computing at the University of Auckland.

Clipping of Roger Coldwell and Michael Ellis, "Babbage the Expert System", *Quickface (NZCS Newsletter)*, Nov 1994, pp 8-9.

Full page clipping of Mary Jane Boland, "Museum of Trials and Tribulations," *New Zealand Herald*, January 21, 1995, section 3, p. 1. This describes a financial and managerial mess at MOTAT (in which the Meccano differential analyser was at extreme risk). Fortunately this was eventually resolved.

Copy of Alister John Babbage's application dated 16-5-1995 to export the Babbage material (gold medals, a few letters from Ada, and the machine fragment) to the UK for auction, and Garry's formal reply to the Department of Internal Affairs. A. J. Babbage wrote that the material was sent to his grandparents by relatives in the 1940s; Garry understood that they were brought to NZ in the 1880s by A.J. Babbage's great-grandfather who settled in the Wanganui area. In any case, export permission was granted. The Difference Engine fragment was auctioned by Christie's in London on October 4, 1995

(indicative price £50,000; it sold for £176,750). The good news is that it went to a museum in Sydney (<https://collection.powerhouse.com.au/object/150269>).

Garry's formal invitation from the Lord Mayor of Westminster to the unveiling of Babbage's new plaque at 1 Dorset St on 2 October 1996. Sadly, they got Babbage's birth year wrong on the invitation. (The plaque is correct.)

Photocopy of extract from Babbage's "The Ninth Bridgewater Treatise" (in the 1989 Pickering edition).

Photocopy of Babbage-related material in R. D. Owen, "Footfalls on the Boundary of Another World", first published in 1860.

Photocopied brief extract from the 8th meeting of the British Association in 1838 (Babbage on woodcuts for mechanical drawings).



Babbage 6

Letters and reprints etc. (mainly) between 1998 and 2014. However, Garry's vigorous correspondence re Babbage had almost stopped by 1998. Mainly, this binder contains photocopies of documents of interest.

Photocopy of a list of the "Grey Letters" held by Auckland Public Library in its George Grey collection (including three letters from Babbage).

Photocopied transcripts of letter from R. D. Adams to Sir George Grey, dated 1 July 1891, and a letter from G. B. Airy to Thomas Maclear (two important astronomers), dated 21 Nov. 1854. The next item is a photocopy of the original of Airy's letter.

Photopied transcripts of letters from J. F. W. Herschel to Davies Gilbert M. P. (July 4, 1830) and to Capt. George Grey (Dec 27, 1841), several letters from Charles Lyell to Grey (Dec 27, 1841; Feb 6, 1857; etc.). A couple of photopied original letters that I have not deciphered.

Transcriptions of several letters from Eliza Lucy Grey (Sir George's wife) to F. S. Dutton in 1847-50, with some printed notes by Garry dated 1994-3-15.

Transcript of a letter from Dutton (Office of the Agent General for South Australia in London) to George Grey, 16 May 1870.

A list (obviously from an organised archive, but with no provenance: possibly <https://natlib.govt.nz/records/23182087>) headed "MANTELL PAPERS" showing a list of incoming letters in ~1813-1852, including names such as Charles Babbage, Humphry Davy, Charles Lyell, etc. This pertains to Gideon A. Mantell (1790-1852), an English obstetrician, geologist and palaeontologist. It's followed by records for his son Walter B. D. Mantell (1820-1895), an NZ naturalist, politician, and land purchase commissioner. As such, he was in charge of "extinguishing native titles in the South Island", in other words depriving Māori of their rights under the Treaty of Waitangi. To his credit, he quit that job. He later served as Minister of Māori affairs and as NZ's Postmaster-General.

Photocopies of several NZ Herald clippings with the subject "Letters to Sir George Grey" in Oct-Dec 1902.

Photocopy of ms letter from Lyell to Gray dated Dec 5, 1859

A letter from Rev. Canon Stuart Barton Babbage dated 18 May 1999, with the envelope marked "Personal" – with a clipping summarising his career in the Anglican Church. Also a photocopy of Sarah Barnett, "On becoming benign," *Southern Cross* ("a Sydney Church paper"), Autumn 1999, pp 20-23, an interview with S. B. Babbage. Based partly on that information, Garry wrote a piece about S. B. Babbage for the Auckland Alumni magazine – but in typical Garry style, parts of the piece were about Charles Babbage and Leslie Comrie. Much of the rest was about S. B. Babbage's M. A. thesis on "Hauhuism" (now known as Pai Mārire), a Māori religious movement forcibly suppressed in 1865 by Governor George Grey (whose early mentor was S. B. Babbage's great-great-grandfather Charles).

Photocopies of two articles from U Auckland's *Alumni News*, **10**(1), Summer 2000: Garry's piece on S. B. Babbage, and a piece he co-wrote with Sue Davison about O'Rourke Hall, the hostel in which Garry lived in 1952-4. (The latter's connection to Babbage is... unclear.)

Printout from the BBC web site "Babbage printer finally runs" date 13 April 2000, about the final stage of the Science Museum rebuild.

Printout of Jonathan Yardley, review of "The Difference Engine..." by Doron Swade, *Washington Post*, September 9, 2001.

Photocopies from *The International Meccano Man*:

- No. 38, January 2003: Tim Robinson, "Babbage's Difference Engine"
- No. 38, January 2003: William Irwin, "The Meccano Differential Analyser Explained"
- No. 39, May 2003: William Irwin, "Charles Babbage – The Down Under Connection"

Draft that Garry sent to *New Scientist* "Charles Babbage and the Snark", 2003-9-19. They turned it down.

Printout of a 2010 blog post from the Special Collections department at Auckland City Library "Charles Babbage's Stamp of Approval", which nicely acknowledges Garry's work. The ring binder ends with a letter of thanks to Garry for speaking about Babbage to a U3A audience in August 2014 that included a school friend of Wendy Babbage, another descendant. Two very fitting end stops for the Babbage Box.

Correspondents

Some, such as recipients of cover notes for off-prints, library and museum contacts, conference organizers, and journal editors, have been omitted. Most internal communications within the University of Auckland have been omitted. The [blue](#) numbers indicate which ring binder(s) each correspondent is in.

About 200 correspondents are listed here. In total, there must be about 1000 letters and other communications.

Marian Adams, Totnes, England (about Babbage materials) [3](#)

Judith Allen, Royal Economic Society, Cambridge, UK [4](#)

Alan L. Andrew, Maths, LaTrobe U [3](#)

Prof. George E. Andrews, Maths, Penn State [2](#)

Paul Armer, CBI [1](#)

A. J. Babbage, Palmerston North⁷ [3](#)

Alister A. Babbage, Opononi, Northland, NZ [1](#)

Ann Babbage, Dunedin (descendant, but born in England) [5](#)

C. A. Babbage, Silverstream, Wellington NZ [1](#)

C. H. Babbage, Hamilton [3](#)

Rev. Charles Babbage, Stoke, Nelson, NZ [5](#)

E. Babbage, Christchurch [3](#)

E. W. Babbage, Nelson [3](#)

G. J. Babbage, Rosn [sic – Rosanna?], Melbourne [3](#)

Harold G Babbage, Glendowie, Auckland [1](#) [2](#)

H. G. Babbage (Harry), Sydney [1](#)

Jack Babbage, Appila, S Australia [3](#)

Jean Babbage (widow of Alfred Alister Babbage, founder of the Babbage Partners consultancy, <https://www.babbage.co.nz/about/our-journey>), Glendowie, Auckland [1](#) [2](#) [3](#)

J. E. Babbage, Koo, Melbourne [3](#)

J. R. Babbage, Tauranga [3](#)

K. Babbage, Christchurch [3](#) [4](#)

Malcolm R Babbage, Maldon, Essex, UK [1](#)

Dr Neville Francis Babbage, Sydney and Epping, NSW [1](#) [2](#) [3](#)

O. E. Babbage, Christchurch (Reply from R. Babbege [sic] that it's a different family.) [3](#)

R. C. Babbage, Palmerston North [3](#)

R. T. Babbage, The Patch, Victoria [3](#)

⁷ Many of these are Babbages found in phone books that Garry spammed by post, asking for information and relics. Only a few of them replied.

Ronald Babbage, Coulsdon, Surrey, UK [5](#)

Stuart Barton Babbage, New College, U NSW, Kensington, NSW (1916-2012, gt-gt-grandson of Charles, born Auckland; later at the Australian College of Theology, NSW; retired to Waverley NSW) [1](#) [2](#) [3](#) [4](#) [6](#)

S. K. Babbage, Adelaide (Reply from son M. L. Babbage) [3](#)

Terry B. Babbage, Punchbowl, NSW [1](#)

Thomas J. Babbage, Belle River, Ontario [2](#)

W. R. Babbage, Hastings [3](#)

Other Babbages in Australia with no information & illegible signatures [1](#)

A. G. Bagnall, Eastbourne NZ [1](#)

John Barton, State Services Commission, Wellington [3](#)

Joan Baum, Dept of English, York College, City U of NY (biographer of Ada) [3](#) [4](#)

Colin Beardon, CS, Waikato U (author of Computer Culture - The Information Revolution in New Zealand. Reed Methuen, 1985) [3](#)

Mike Beardsmore, IDAPS Computer Science NZ Ltd, Auckland. Aspiring to write a film script about Ada. [2](#)

Dominique Bennet, CERFACS, Toulouse, France. (To Gary's evident distress – initially no postal address, only email!) [5](#)

John Bennett, CS, U Sydney [1](#) [3](#)

Herman L. Berg, Detroit [3](#) [4](#) [5](#)

J. L. Berggren, Maths, Simon Fraser U (about Omar Khayyam's scientific writings!!) [3](#)

Judith Binney, U Auckland (1940-2011) [3](#)

E. G. Bollard, Epsom, Auckland [5](#)

Andrew D. Booth (1918-2009) (at CS, Lakehead U, Thunder Bay, Ontario). Booth replied from retirement several months later, with comments about Comrie and A. C. Aitken) [3](#) [4](#)

Colin Boswell, VUW⁷⁸ [1](#)

David Brillinger, UC Berkeley [2](#)

Robert Bryce, Maths, ANU [3](#)

Allan G. Bromley, CS, U Sydney [1](#) [3](#) [4](#)

Ernest E. Bush, Tauranga [4](#)

David Calder (retired from Wanganui Observatory) [5](#)

Martin Campbell-Kelly, CS, U Warwick [2](#) [4](#) [5](#)

Sarah Campion, Devonport, Auckland (Nth cousin relationship to Byron's and Ada's family) [3](#)

Doris Mary Cannell (1913-2000, retired from Nottingham Trent U, biographer of George Green) [5](#)

Peter Cathercole, Darwin College, Cambridge. [2](#)

Prof. L. J. Challis, U Nottingham [5](#)

Lee Christiansen, Westmere, Auckland (sculptor) [5](#)

D. W. Cimino, Wanganui Regional Museum (multiple exchanges of letters about the museum's important Babbage archive that Garry brought to light in early 1981; retired by 1984). [1](#) [3](#)

Arthur C. Clarke, Colombo, Sri Lanka [5](#)

Megan Clarke, Maths, VUW [1](#)

J. Cooper, U Canterbury (NZ) [2](#)

Roger Coldwell, Information Systems, Curtin U of Technology, Perth, Australia (affiliated with U Newcastle, NSW) [5](#)

Harvey A Cohen, CS, Latrobe [1](#) [5](#)

Em. Prof. I. Bernard Cohen, Harvard [4](#)

Margaret Collings, U3A, Birkenhead, Auckland [6](#)

J. Cooper, U Canterbury (NZ) [2](#)

Brian C. Cox, CS, U Otago [3](#)

A. J. Crilly, Middlesex Poly & British Society for the History of Mathematics [1](#) [2](#)

J. N. Crossley, Maths, Monash [1](#)

Mrs Anne Cullen, Christchurch (possible Babbage descendant) [1](#)

Dennis Cumming, Engineering, U Adelaide [3](#) [4](#)

Donald W. Davies, NPL (1924-2000, retired June 1984) [2](#) [3](#)

J. B. Delair, Caledonian Land Surveys Ltd [2](#)

Prof. L. M. Delves, Maths, U Liverpool [5](#)

H. M. Dykstra (formerly Babbage), Christchurch [4](#)

Peter Entwisle, Director, Dunedin Public Art Gallery [5](#)

Dr Christopher J. Feltham, a radiologist in Nelson (preparing a talk about computing and radiology – Garry sent a long and helpful reply, especially noting that his brain tumour in 1981 had been detected by a CAT scan) [3](#)

Sharleen D Forbes, of the NZ Statistics Association [4](#)

O. I. Franksen, TU Denmark, Lyngby [1](#) [2](#) [3](#) [4](#) [5](#)

Chris Galloway, Associated Group Media, Newmarket, Auckland [1](#)

B. A. Galler, U Mich [1](#) [2](#)

D. C. Gilles, U Glasgow [2](#)

Rachel Wallace Garden (ex-student of Garry, physicist, author, descended from the famous Strachey family) [3](#)

Charles C. Gillispie [sic], Princeton [2](#)

Ronald Gowing, Royal Institution Centre for the History of Science & Technology, London [4](#)

John Graham-Cumming, Causata EMEA, London [6](#)

Ivor Grattan-Guinness, Middlesex Poly [1](#)

George Griffiths, U Otago [3](#)

Carl Gustavson, Ohio U [4](#)

Prof. Frank A. Haight, Penn State [3](#)

Alvena Hall, Australia (textile artist, who exhibited Babbage-inspired textiles) [3](#) [4](#)

Gwyneth Hampson, The St Marylebone Society (about Babbage's plaque at 1 Dorset St) [5](#)

Dr William F. Hawkins, Torbay, Auckland (ex-PhD student of Garry's, whose topic was the work of John Napier) [3](#)

B. D. Henderson, Director, Wanganui Regional Museum [3](#)

N. J. Higham, Maths, U Manchester [5](#)

I. D. Hill, MRC, UK [1](#)

John Hine, U Connecticut (on sabbatical from VUW; it was that sabbatical that inspired John to become an NZ Internet pioneer) [2](#)

F. Hirst, CS, U Adelaide – letter saying he had forwarded a note from Garry to Trevor Pearcey, to do with CSIRAC. [1](#)

Prof. R. W. Holme, U Melbourne [3](#)

Keith Hopper, CS, Waikato U [3](#)

John Hunter, U Glasgow [1](#) [2](#)

Keith Hutchison, U Melbourne [1](#)

John T. Hutton, Unley Park, SA [4](#)

Robert Anthony Hyman (1928–2011, author) [3](#) [4](#) [5](#)

R. F. Keam, U Auckland [2](#)

Peter T. Kirstein, CS, UCL [2](#)

Peggy Lawless, Wanganui [5](#)

John A. N. Lee, *Annals* Editor-in-Chief (in 1987) [4](#)

Trevor H. Levere, U Toronto [5](#)

Albert C. Lewis, U Texas at Austin [1](#) [2](#)

Michael Lindgren, Kungl. Tekniska Högskolans Bibliotek, Stockholm (at MIT in Nov 1984) [1](#) [2](#) [3](#) [4](#)

Elsie Locke, Christchurch (1912-2001, author) [1](#) [2](#) [3](#) [4](#)

Reg. Lockstone, Mt Eden, Auckland (in beautiful calligraphy) [5](#)

Benoit B. Mandelbrot, IBM Research, Yorktown Heights [2](#)

John P. Matthews, Queen's U, Kingston, Ontario (about Babbage's feud with Disraeli) [2](#)

Melanie McGrath, Pickering & Chatto (publishers), Pall Mall, London [4](#)

Roy Macleod, History, U Sydney [2](#)

George Meier-Wong, Temple U, Philadelphia [2](#)

Raymond P. Mercier, U Southampton [3](#)

Uta C. Merzbach, Smithsonian (Nat. History) [1](#)

Maryann Michael, Eastbourne, Wellington (Babbage descendant) [2](#)

David P. Miller, U NSW [2](#)

D. C. Miller, Geographical Names Board of NSW [3](#)

John J. H. Miller, Trinity College, Dublin [1](#) [2](#)

A. R. Mitchell, U Dundee [2](#)

Prof Henryk Mine, UCSB (reply from M. Rosenfeld) [2](#)

Prof. Bertram Mond, Maths, Latrobe U [3](#)

Bruce Moon (1930-2025) (in 11 Jan 82 @ Business Computers Ltd, Christchurch) [1](#)

Stephen Edward Nash, Field Museum, Chicago (the reply came by email) [6](#)

Roger Needham (1935-2003), Computing Lab, Cambridge (Wilkes's successor) [3](#)

B. H. Neumann, Maths, ANU [3](#)

Gael Newton, National Gallery of Australia [6](#)

Arthur L. Norberg, CBI & U Minnesota [1](#) [2](#)

John Offenburger (Wellington Technical College) [5](#)

Denys Oldham, Devonport, Auckland (about a visit by Judith P. Richards, q.v.) [4](#)

Duncan Olsson-Steel, a.k.a. Duncan Steel, Physics, U Adelaide (formerly U Canterbury, Christchurch) [2](#) [3](#) [4](#) [5](#)

A. S. R. Parker, Archivist, Wanganui Regional Museum (later: Librarian, Wanganui Collegiate School) [2](#)

John R. Payne, Austin, Texas [2](#)

M. R. Phillips, Penicuik, Scotland (a locks and keys enthusiast) [5](#)

K. I. Porter, Shortland St., Auckland (corresponding member of Byron Society, UK) [5](#)

David Pryor, UK (wife is possible Babbage descendant) [5](#)

Brian Randell, U Newcastle, UK [1](#) [2](#) [3](#)

Nathan Reingold, Joseph Henry Papers, Smithsonian [1](#)

Prof. C. S. Rees, U New Orleans [2](#)

Judith P. Richards, Latrobe U (a Babbage descendant) [2](#) [3](#)

Lindsay (sp.?) J. Rollo, Wellington [5](#)

Melvin Rosenfeld, UCSB [2](#)

Denis Rowe, archivist at U Newcastle, NSW [4](#)

Richard Rowlands, Dyfed, Wales (a possible Babbage descendant) [5](#)

Donald H. Sadler (1908–1987) (Leslie Comrie's professional enemy!) [2](#)

Arthur Sale, U Tasmania [1](#)

Prof. Paul A. Samet, Computer Centre, UCL [2](#)

W. A. S. Sarjent, U Saskatchewan [2](#)

Fiona Scott, Kawhia, NZ (at a farm previously owned by a Babbage) [4](#)

Prof. Abraham Seidenberg, UCB [2](#)

Eugene Seneta, U Sydney [3](#)

J. V. Scott, The City University, London. [2](#)

Prof. Robin Shepherd, UC Irvine [2](#)

John W. Shirley, U Delaware [2](#)

George Simm, London (about Samuel Rogers & Babbage) [3](#)

Keith Sinclair, History Dept, U Auckland [2](#)

Stephen Skinner, Fig Tree, Warners Terrace, Christ Church, Barbados [1](#) [2](#)

Gordon C. Smith, Maths, Monash U [3](#)

Richard J. Solomon, MIT. [2](#)

John Stackhouse, Petone, Wellington [3](#)

Ivar Stakgold, U Delaware [3](#)

Duncan Steel, see Duncan Olsson-Steel

Dorothy K. Stein (1931-2019, Ada Lovelace's biographer, U Hawaii, then London) [2](#) [3](#) [4](#)

Roger H. Stuewer, CBI & U Minnesota [1](#) [2](#)

Mrs Sullivan, Mangere East, Auckland (Babbage relative) [1](#)

Doron Swade, Science Museum, London [4](#) [5](#)

Graham Tate, CS, Massey U [2](#)

Silao Taulu, Auckland (student) [5](#)

Nick Taylor, Computing & Electrical Engineering, Heriot-Watt U [5](#)

Peter Thode, Tokoroa, NZ [5](#)

Andy Thomson, DSIR [2](#)

Erwin Tomash, Dataproducts Corp, Los Angeles [2](#)

Prof Henry S. Tropp, Humboldt State U, Arcata, CA [2](#)

J. C. Turner, Maths, Waikato U [3](#)

Peter Turvey, Science Museum, London (via Telex) [5](#)

Peter L. Walker, Maths, U Lancaster [1](#)

William E. Wallis (neurologist, Remuera, Auckland) [6](#)

Ass. Prof. George E. Webb, History, Tennessee Technological U [4](#)

Thomas G. Valance, Geology, U Sydney [3](#)

Alfred W. Van Sinderen, New Haven CT (also Chairman of the Board, Southern New England Telephone) [1](#) [2](#) [3](#)

Prof David Vere-Jones, Maths, VUW [3](#)

Corbyn Ward, Kawhia, NZ [4](#)

Prof. Herbert S. Wilf, U Pennsylvania, Philadelphia [2](#)

Maurice V. Wilkes (1913-2010). [1](#) [2](#) [3](#) [4](#) [5](#)

Prof. Leonard C. Wilson, U Minnesota, Minneapolis [2](#)

Varian J. Wilson, Christchurch [2](#) [3](#)

Alison Winter, Caltech [6](#)

Archibald Whitmore Mason, St Heliers, Auckland (Babbage descendant) [4](#)

Christopher Vine, Sculptor, Nelson [2](#)

Heinz Zemanek (actually Heinrich Josef Zemanek) (1920-2014), IBM (Austria)(retired in March 1985) [1](#) [2](#) [3](#) [4](#)

The Director, Science Museum, London [1](#)

The Director, NSW Mapping Authority (campaigning for Mt Babbage's name to be restored) [2](#)

The Secretary, Geographical Names Board, NSW (ditto) [2](#) [5](#)

The Director, T. J. Watson Research Center, IBM, Yorktown Heights. [2](#)

The Director, Charles Babbage Research Centre, St Pierre, Manitoba [3](#)

State Archivist, South Australia [3](#)

The Secretary, Royal Astronomical Society, London [5](#)

The Librarian, Royal Society of Medicine, London [5](#)
