

Bibliography

ABBREVIATIONS USED ARE LISTED ON PP. 376-377 ABOVE

(Dates in brackets are the first edition when a more recent edition has been published)

1. WORKS AVAILABLE IN ENGLISH

- H. H. AIKEN, "Proposed Automatic Calculating Machine". IEEE Spectrum: pp. 62-9. New York, August 1964. See also B. RANDELL, 1973, pp. 191-7.
- H. H. AIKEN and G. H. HOPPER, "The Automatic Sequence Controlled Calculator [ASCC]". EEng 65: pp. 384-91, 449-54, 522-8. 1946. See also B. RANDELL, 1973, pp. 199-218.
- S. N. ALEXANDER, "The National Bureau of Standards Eastern Automatic Computer (SEAC)". PEJCC: pp. 84-9. New York, December 1951.
- F. L. ALT, "A Bell Telephone Laboratories' Computing Machine". MTAC 3/1948: pp. 1-13, 69-84.
- E. G. ANDREWS, "A review of the Bell Laboratories Digital Computer Developments". REDC: pp. 101-5.
- E. G. ANDREWS, "Telephone Switching and the Early Bell Laboratories Computers". BST 42/63: pp. 341-53.
- R. C. ARCHIBALD, "Georg Scheutz, Publicist, Author, Scientific Mechanician, and Edvard Scheutz, Engineer - Biography and Bibliography". MTAC 2/1947: pp. 238-45.
- R. C. ARCHIBALD, "Martin Wiberg, his Tables and his Difference Engine". MTAC 2/1947: pp. 371-3.
- W. R. ASHBY, *An Introduction to Cybernetics*. London: Chapman/Hall, 1956.
- W. R. ASHBY, *Design for a Brain*. London: Chapman/Hall, 1960.
- G. ASHURST, *Pioneers of Computing*. London: Frederic Muller Ltd., 1983.
- J. V. ATANASOFF, "Computing Machine for the Solution of Large Systems of Linear Algebraic Equations". See B. RANDELL, 1973, pp. 305-25.
- J. V. ATANASOFF and A. E. BRANDT, "Application of Punched Card Equipment to the Analysis of Complex Spectra". JOSA, 26-2/ February 1936: pp. 83-8.
- S. AUGARTEN, *Bit by Bit: an Illustrated History of Computers*. London: George Allen and Unwin Ltd, 1984.
- G. D. AUSTRIAN, *Hermann Hollerith, Forgotten Giant of Information Processing*. New York: Columbia University Press, 1982.
- CHARLES BABBAGE, "A Note Respecting the Application of Machinery to the Calculation of Astronomical Tables". MAS, 1/ June 1822: p. 309.
- CHARLES BABBAGE, "Letter to M. Quetelet". BARSB, 2-5/ May 1835: pp. 124-5.
- CHARLES BABBAGE, "On the Mathematical Powers of the Calculating Engine" (ms. dated December 1837. Museum of the History of Science, Oxford: Buxton MS7). See B. RANDELL, 1973, pp. 15-52.
- CHARLES BABBAGE, *The Exposition of 1851; or, Views of the Industry, the Science and the Government of England*. London: John Murray, 1851.
- CHARLES BABBAGE, *Passages from the Life of a Philosopher*. London: Longman

- Green, 1864; new edition by Augustus M. Kelly. New York, 1969.
- H. P. BABBAGE, "On the Mechanical Notation, as Exemplified in the Swedish Calculating Machine of Messrs. Scheutz". RBAAS, 1855: pp. 203-5.
- H. P. BABBAGE, "On the Mechanical Arrangements of the Analytical Engine of the Late Charles Babbage F.R.S.". RBAAS, 1888: pp. 616-17.
- H. P. BABBAGE (editor), *Babbage's Calculating Engines: Being a Collection of Papers Related to them, their History, and Construction*. London: Spon, 1889.
- H. P. BABBAGE, "Babbage's Analytical Engine" (1910). See B. RANDELL, 1973, pp. 65-9.
- G. H. BAILLIE, *Clocks and Watches. An Historical Biography, I*. London: The Holland Press, 1978
- R. BAKER, *The Science Reference Library: New and Improved. Inventors and Inventions that have Changed the Modern World*. London: The British Library Board, 1976.
- J. BARDEEN and W. H. BRATTAIN, "The Transistor, a Semiconductor Triode". PR, 74/ July 1948: pp. 230-1.
- A. BARR, P. COHEN and E. FEIGENBAUM (editors), *The Handbook of Artificial Intelligence*. Los Altos, CA: William Kauffmann, 1981-1982.
- C. J. BASHE, "The IBM SSEC in Historical Perspective". AHC, 4-4: pp. 299ff. New York, October 1982 .
- C. J. BASHE, L. R. JOHNSON, J. H. PALMER and E. W. PUGH, *IBM's Early Computers*, Series in the History of Computing edited by I. Bernard Cohen. Cambridge, MA / London: MIT Press, 1986.
- D. BAXANDALL, *Calculating Machines and Instruments*, Revised by J. Pugh. London: Science Museum, 1975.
- D. BAXANDALL, "Calculating Machines. EBR: pp. 545-53.
- T. G. BELDEN and M. R. BELDEN, *The Lengthening Shadow: The Life of Thomas J. Watson*. Boston: Little, Brown and Co, 1962.
- E. T. BELL, *The Development of Mathematics*. New York: McGraw-Hill, 1945.
- E. T. BELL, (1937), *Men of Mathematics*. London: Gollancz , 1937; New York: Simon and Schuster, 1965.
- E. C. BERKELEY, *Giant Brains or Machines that Think*. New York: John Wiley, 1949.
- J. BERNSTEIN, *The Analytical Engine: Computers Past, Present and Future*. New York: Random House, 1981.
- G. BIRKHOFF and S. MACLANE, *A Survey of Modern Algebra*. New York: Macmillan, 1977.
- J. H. BLODGETT and C. K. SCHULTZ, "Herman Hollerith: Data Processing Pioneer". AD 20-3/July 1969: pp. 221-6.
- E. DE BONS, *Eureka! An Illustrated History of Inventions from the Wheel to the Computer*. New York: Holt, Rinehart and Winston, 1974.
- G. BOOLE (1847), *The Mathematical Analysis*. Oxford University Press, 1948.
- G. BOOLE, *The Laws of Thought*. London, 1854.
- D. J. BOORSTIN, *The Discoverers*. London: Dent, 1984.
- A. D. BOOTH and K. H. V. BOOTH, *Automatic Digital Calculators*. London: Butterworth, 1956.
- K. E. BOULDING, *The Organizational Revolution*. New York: Harper and Row, 1953.
- B. V. BOWDEN (editor), *Faster than Thought*. London: Isaac Pitman, 1953.
- B. V. BOWDEN, "He Invented the Computer Before its Time". *Think*, July 1960: pp. 28-32.
- D. M. BOWERS, "The Rough Guide to Today's Technology". *Datamation*, September 1977.

- C. B. BOYER, "Fundamental Steps in the Development of Numeration". IS 35/1944: pp. 153–69.
- C. B. BOYER, *The History of Calculus and its Conceptual Development*. New York: Dover Publications Inc., 1949.
- C. B. BOYER, *A History of Mathematics*. New York: John Wiley and Sons, 1968.
- C. V. BOYS, "A New Analytical Engine". NA, 81/2070, July 1909: pp. 14–15.
- D. B. BRICK, J. S. DRAPPER and H. J. CAULFIELD. "Computers in the Military and Space Sciences". *Transactions on Computers*. New York: IEEE, October 1984.
- A. G. BROMLEY, "Charles Babbage's Analytical Engine, 1833". AHC, 4–3/October 1982.
- B. BUCHANAN and E. SHORTLIFFE, *Rule-Based Expert Systems . . .* Reading, MA: Addison-Wesley, 1984.
- A.W. BURKS and A. R. BURKS, "The ENIAC: First General-Purpose Electronic Computer". AHC, 3–4/October 1981.
- A. W. BURKS, H. H. GOLDSTINE and J. VON NEUMANN, *Preliminary Discussions of the Logical Design of an Electronic Computing Instrument*. Princeton, N.J: Institute for Advanced Study, 1947.
- P. E. BURTON, *A Dictionary of Minicomputing and Microcomputing*. Chichester & New York: John Wiley, 1982.
- V. BUSH, "The Differential Analyzer. A New Machine for Solving Differential Equations". JFI 212/193: pp. 447–88.
- V. BUSH, "Instrumental Analysis". BAMS 42/1936: pp. 649–69.
- V. BUSH, *Pieces of the Action*. New York: Morrow, 1970.
- R. CALDER, *The Evolution of the Machine*. Washington, D.C.: American Heritage/Smithsonian Institution, 1968.
- M. CAMPBELL-KELLY, "Programming the EDSAC: Early Programming Activity at the University of Cambridge". AHC 2–1/July 1980.
- M. CAMPBELL-KELLY, "The Development of Computer Programming in Britain, 1945–1955". AHC 4–2/April 1982.
- A. E. CARPENTER and R. W. DORANT, "The Other Turing Machine". CJ 20–3/August 1977: pp. 269–79.
- A. CAVE-BROWN, *The Bodyguard of Lies*. New York: Harper & Row, 1975.
- P. E. CERUZZI, "The Early Computers of Konrad Zuse, 1935–1945". AHC 3–3/July 1981.
- P. E. CERUZZI, *Reckoners, The Prehistory of the Digital Computer, 1935–1945*. Greenwood Press, 1983.
- P. E. CERUZZI, *A History of Modern Computing*. Cambridge, MA/London: MIT Press, 1998.
- P. E. CERUZZI and P. A. KIDWELL, *Landmarks in Digital Computing*. Washington, D.C.: Smithsonian Institution Press, 1994.
- O. CESAREO, "The Relay Interpolator". BLR 23/1946: pp. 457–60.
- N. CHAPIN, *An Introduction to Automatic Computers*. Princeton, N.J: Van Nostrand, 1955.
- S. CHAPMAN, "Blaise Pascal (1623–1662): Tercentenary of the Calculating Machine". NA 150/ 31 October 1942: pp. 508–9.
- A. CHAPUIS and E. DROZ, *Automata. A Historical and Technological Study*. London: B.T. Batsford, 1958.
- G. C. CHASE, "History of Mechanical Computing Machinery" (1952). AHC 2–3/July 1980.

- E. C. CHERRY, *On Human Communication*. Cambridge, MA: MIT Press, 1957.
- L. J. COMRIE, "Computing by Calculating Machines". AJ 45/1927: pp. 42-51.
- L. J. COMRIE, "On the Application of the Brunsviga-Dupla Calculating Machine to Double Summation with Finite Differences". MNRAS, 88-5/March 1928: pp. 447-59.
- L. J. COMRIE, "The Application of Calculating Machines to Astronomical Computing". PA 33/April 1931: pp. 2-8.
- L. J. COMRIE, "The Application of the Hollerith Tabulating Machine to Brown's Tables of the Moon". MNRAS 92-7/1932: pp. 694-707.
- L. J. COMRIE, "The Application of Commercial Calculating Machines to Scientific Computing". MTAC 2/1946: pp. 149-59.
- L. J. COMRIE, "Babbage's Dream Comes True". NA 158/1946: pp. 567-8.
- J. CONNOLLY, *Chronology of Computing in Europe, Africa, Asia and Latin America*. Armonk, N. Y.: IBM World Trade Corporation, no date.
- J. W. CORTADA, *Historical Dictionary of Data Processing*. London/New York: Greenwood Press, 1987.
- L. COUFFIGNAL, "Report on the Machine of the Institut Blaise Pascal". MTAC 4-32/1950: pp. 225-9.
- J. CRANK, *The Differential Analyzer*. London: Longman, 1947.
- T. DANTZIG (1930), *Number, the Language of Science*. London: George Allen & Unwin: 1967.
- M. DAUMAS, *A History of Technology and Invention. Progress Through the Ages. The Expansion of Mechanization 1725-1860*, vol. 3. New York: Crown Publishers, 1979.
- W. K. DAVID, *David's New Lightning Calculator*. Buffalo, N.Y.: W. K. David, 1881.
- H. DAVIES, *A History of Recorded Sound*. New York, 1978.
- R. DAVIS, "Expert Systems: Where are We ? And Where Do We Go from Here ?". AIM, July-August 1982.
- H. L. DREYFUS, *What Computers Still Can't Do: A Critique of Artificial Reason*. Cambridge, MA: MIT Press, 1992.
- H. L. DREYFUS, S. E. DREYFUS and T. ATHANASIOU, *Mind over Machine: The Power of Human Intuition and Expertise in the Era of the Computer*. Oxford: Blackwell, 1986.
- E. DROZ, "From Jointed Doll to Talking Robot". NS 14/1962: pp. 37-40.
- J. M. DUBBEY, "Charles Babbage and his Computers". BIMA 9-3/1973: pp. 622-69.
- C. EAMES, R. EAMES and G. FLECK, *A Computer Perspective*. Cambridge, MA: Harvard University Press, 1973.
- W. H. ECCLES and F. W. JORDAN, "A Trigger Relay Utilising Three-electrode Thermionic Vacuum Tubes". RR 1/1919: pp. 143-6.
- J. P. ECKERT, "In the Beginning and to What End". CTF 4-3/24: pp.3-4.
- J. P. ECKERT, J. W. MAUCHLY, H. H. GOLDSTINE and J. G. BRAINERD, *Description of the ENIAC and Comments on Electronic Digital Computing Machines*, Contract no. W-670-ORD-4926, Philadelphia, PA: Moore School of Electrical Engineering, University of Pennsylvania, 30 November 1945.
- W. J. ECKERT, *Punched Card Methods in Scientific Computation*, Thomas J. Watson Astronomical Computing Bureau. New York: Columbia University, 1940.
- W. J. ECKERT, "Electrons and Computation" (November 1948), in B. RANDELL, 1973, pp. 219-28.

- D. B. G. EDWARDS, "Computer Developments in Great Britain". CTF 1-1/21: p. 1.
- G. ESTRIN, "The Electronic Computer at the Institute for Advanced Study". MTAC 7/1953: p.108.
- A. FELDMAN and P. FORD, *Scientists and Inventors, The People who Made Technology, from Earliest Times to Present Day*. London/New York, 1979.
- D. E. FELT, *Mechanical Arithmetic or the History of the Counting Machine*. Chicago, IL: Washington Institute, 1916.
- J. W. FORRESTER, "The Digital Computation Program at the Massachusetts Institute of Technology". *Proceedings of the 2nd Symposium on Large-Scale Digital Calculating Machinery*. Cambridge, MA: Harvard University Press, 1951.
- N. FOY, *The IBM World*. London: Methuen, 1974.
- M. GARDNER, "Logic machines". SCAM 183/March 1952: pp. 68-73.
- M. GARDNER, *Logic Machines and Diagrams*. New York: McGraw-Hill, 1958.
- J. C. GIARRATANO, *Foundations of Computer Technology*. Indianapolis, IND: Howard W. Sams, 1982.
- C. GILLESPIE (editor), *Dictionary of Scientific Biography*, 16 vol. New York: Charles Scribners, 1970-1980.
- J. GINSBURG, BAMS 23/1917: pp. 368.
- J. GINSBURG, "Napier on the Napier Rods". See D. E. SMITH, 1929, pp. 182-5.
- A. GLASER, *History of Binary Numeration*. Philadelphia, PA: Tomash Publishers, 1971.
- S. E. GLUCK, "The Electronic Discrete Variable Automatic Computer (EDVAC)". EEng, 72/1953: pp. 159-62.
- H. H. GOLDSTINE, *The Computer from Pascal to von Neumann*. Princeton, N.J.: Princeton University Press, 1972.
- H. H. GOLDSTINE and A. GOLDSTINE, "The Electronic Numerical Integrator and Computer (ENIAC)". MTAC, 2/July 1946: pp. 97-110.
- H. H. GOLDSTINE and J. VON NEUMANN, "Planning and Coding of Problems for an Electronic Computing Instrument" (Part 2, vol. 1, 1 April 1947; Part 2, vol. 2, 15 April 1948; Part 2, vol. 3, 16 August 1948), in A. H. TAUB, vol. 5, pp. 80-235.
- I. J. GOOD, "Some Future Social Repercussions of Computers". IJES, 1/1970: pp. 67-79.
- I. J. GOOD, "Early Work on Computers at Bletchley". AHC, 1-1/July 1979.
- G. B. GRANT, "On a New Difference Engine". AJS, 3rd series, 1-8/August 1871: pp. 113-18.
- G. B. GRANT, "A New Calculating Machine". AJS, 3rd series, 4-8/1874: pp. 277-84.
- R. L. GREGORY (1966), *Eye and Brain: The Psychology of Seeing . . .* Oxford: Oxford University Press, 1998.
- E. J. HAGA, *Understanding Automation*. Elmhurst, IL: The Business Press, 1965.
- D. HALACY, *Charles Babbage, Father of the Computer*. New York: Crowell-Collier, 1970.
- R. A. HARRIS, "The Coast and Geodetic Survey Tide Predicting Machine". SCAM 110/June 1914: pp. 110.
- D. R. HARTREE, "The ENIAC, an Electronic Calculating Engine". NA 157/20 April 1946: p. 527.
- D. R. HARTREE, "The ENIAC, an Electronic Computing Machine". NA 158/12 October 1946: pp. 500-6.

- D. R. HARTREE, *Calculating Machines Recent and Prospective Developments*. Cambridge: Cambridge University Press, 1947.
- D. R. HARTREE, *Calculating Instruments and Machines*. University of Illinois Press, 1949.
- D. R. HARTREE, "Automatic Calculating Machines". MGA 34-310/December 1950: pp. 241-52.
- F. G. HEATH, "Pioneers of Binary Coding". JIEE 7-81/1961: pp. 539-41.
- S. HEIMS, *John von Neumann and Norbert Wiener*. Cambridge, MA: MIT Press, 1980.
- T. HIDEOMI, *Historical Development of Science and Technology in Japan*. Tokyo, 1968.
- A. M. HILTON, *Logic, Computing Machines, and Automation*. Cleveland, OH: Meridian, 1963.
- A. HODGES, *Alan Turing: The Enigma*. London: Burnett Books, 1983.
- H. HOLLERITH, "An Electrical Tabulating Machine". SMQ 10-3/April 1889: pp. 238-55.
- H. HOLLERITH, "The Electrical Tabulating Machine". JRSS 57-4/1894: pp. 678-82.
- S. H. HOLLINGDALE, "Charles Babbage and Lady Lovelace - Two 19th-century Mathematicians". BIMA 2-1/1966: pp. 2-15.
- G. M. HOPPER, "The Education of a Computer". PACM, 1952.
- G. M. HOPPER, "Computer Software". CTF 3-7/26: p.7.
- E. M. HORSBURGH, "Calculating machines". GIES 63/1920: pp. 117-62.
- E. M. HORSBURGH, *Modern Instruments and Methods of Calculation. A Handbook of the Napier Tercentenary Celebration Exhibition*. London: G. Bell and Sons, 1914; Los Angeles, CA: Tomash, 1983.
- C. C. HURD, "The IBM Card Programmed Calculator". PSSC: pp. 37-41.
- C. C. HURD, "Special issue: IBM 701". AHC, 5-2/April 1983.
- H. D. HUSKEY, "Electronic Digital Computing in the United States". RCACM: pp. 109-11.
- H. D. HUSKEY and V. R. HUSKEY, "Chronology of Computing Devices". IEEE *Transactions on Computers*, C 25, no. 12, December 1982.
- A. HYMAN, *Charles Babbage, Pioneer of the Computer*. Princeton, N. J.: Princeton University Press, 1982.
- W. S. JEVONS, "On the Mechanical Performance of Logical Inference". PTRSL 160-2/1870, pp. 497-518, and plates 32-4.
- B. JOHNSON, *The Secret War*. London: BBC Publications, 1978.
- J. JULEY, "The Ballistic Computer". BLR 24/1947: pp. 5-9; repr. B. RANDELL, 1973, pp. 251-5.
- S. C. KLEENE, "Representations of Events in Nerve Sets and Finite Automata". AS, 1956.
- D. E. KNUTH, "Von Neumann's First Computer Program". CS 2-4/1970: pp. 247-60.
- M. KORMES, "Leibniz on his Calculating Machine", in D. E. SMITH, 1929: pp. 18-25.
- G. A. KORN and T. M. KORN, *Electronic Analog Computers*. New York: McGraw-Hill, 1952.
- F. C. KREILING, "Leibniz". SCAM 218-5/May 1968: pp. 94-100.
- E. M. LANGLEY, *A Treatise on Computation*. London, 1895.
- S. H. LAVINGTON, *A History of Manchester Computers*. Manchester: National Computing Centre Publications, 1975.

- S. H. LAVINGTON, *Early British Computers*. Manchester: Manchester University Press, 1980.
- H. LEGARD, F. P. MCQUAID and A. SINGER, *From Baker Street to Binary*. New York: McGraw-Hill, 1983.
- L. L. LOCKE, "The History of Modern Calculating Machines, an American Contribution". AMM, 3/1924: pp. 422-9.
- A. A. LOVELACE, "Sketch of the Analytical Engine invented by Charles Babbage". TSM 3/1843, notes to article 29 by L. F. Menabrea: pp. 666-731.
- P. E. LUDGATE, "On a Proposed Analytical Engine". SPRDS 12-9/1909: pp. 77-91.
- P. E. LUDGATE, "Automatic Calculating Engines", in E. M. HORSBURGH, 1914, pp. 124-7.
- R. C. LYNDON, "The Zuse Computer". MTAC, 2-20/1947: pp. 355-9.
- N. MACLELLAN EDWARDS, *Office Automation*. White Plains: Knowledge Industry Publ., 1982.
- K. MARSH, *The Way the New Technology Works*. New York: Simon and Schuster, 1982.
- T. C. MARTIN, "Counting a Nation by Electricity". EEng, 12-184/11 November 1891: pp. 521-30.
- S. T. MCCLELLAN, *The Coming Computer Industry Shakeout. Winners, Losers, and Survivors*. New York: John Wiley and Sons, 1984.
- P. MCCORDUCK, *Machines who Think*. San Francisco, CA: Freeman, 1979.
- W. S. MCCULLOCH and W. PITTS, "A Logical Calculus of the Ideas Immanent in Nervous Activity". BMB, 5/1943.
- J. C. MCPHERSON, F. E. HAMILTON and R. R. SEEGER, "A Large-Scale General-Purpose Electronic Digital Calculator The IBM SSEC". AHC, 4-2/October 1982.
- B. MELTZER and D. MICHIE (editors), *Machine Intelligence*. Edinburgh: Edinburgh University Press, 1972.
- U. C. MERZBACH, *Georg Scheutz and the First Printing Calculator*. Washington, D.C.: Smithsonian Institution Press, 1977.
- N. METROPOLIS, J. HOWLETT and G. C. ROTA (editors), *A History of Computing in the Twentieth Century*. New York/London: Academic Press Inc., 1980.
- D. MICHIE, "Machines that Play and Plan". SJ, October 1968: pp. 83-8.
- R. MOREAU (editor), *Biological Computers or Electronic Brains*, Les Entretiens de Lyon. Paris: Springer-Verlag France, 1990.
- P. MORRISSON and E. MORRISSON, "Strange life of Charles Babbage". SCAM 186/April 1952: pp. 66-73.
- P. MORRISSON and E. MORRISSON (editors), *Charles Babbage and his Calculating Engines: Selected Writings by Charles Babbage and Others*. New York: Dover Publications, 1961.
- M. MOSELEY, *Irascible Genius Charles Babbage Inventor*. London: Hutchinson, 1964.
- P. E. MOUNIER-KUHN, "Bull A Worldwide Company Born in Europe". AHC 11-4/1989.
- F. J. MURRAY, *The Theory of Mathematical Machines*. New York: King's Crown Press, 1948.
- F. J. MURRAY, *Mathematical Machines, vol. 1 (Digital Computers)*. New York: Columbia University Press, 1961.
- J. VON NEUMANN, *First Draft of a Report on the EDVAC*, Contract no. W-670-ORD-4926, Philadelphia, PA: Moore School of Electrical Engineering, University of Pennsylvania, 30 June 1945. In B. RANDELL, 1973: pp. 355-64.

- M. H. A. NEWMAN, "General Principles of the Design of All-purpose Computing Machines". PRS, A 195/1948: pp. 271-4.
- M. H. A. NEWMAN, "Alan Mathison Turing, 1912-1954". BMFRS 1/1955: pp. 253-63.
- M. D'OCAGNE (1893), *Simplified Calculation*. Cambridge, MA: MIT Press, 1986.
- O. ØRE, *Number Theory and its History*. New York: McGraw-Hill, 1948.
- S. T. PARKER, *Encyclopaedia of Electronic Computers*. New York: McGraw-Hill, 1984.
- B. E. PHELPS, "Early Electronic Computer Developments at IBM". AHC, 2-3/1980.
- E. W. PHILLIPS, "Binary Calculation". JIA 67/1936: pp. 187-221.
- E. W. PUGH, L. R. JOHNSON and J. H. PALMER, *IBM's 360 and Early 370 Systems*. Cambridge, MA: MIT Press, 1991.
- Z. W. PYLYSHYN (editor), *Perspectives on the Computer Revolution*. Englewood Cliffs, N.J.: Prentice-Hall, 1970.
- B. RANDELL, *The Origins of Digital Computers, Selected Papers*. Berlin/Heidelberg/New York: Springer-Verlag, 1973.
- B. RANDELL, "Ludgate's Analytical Engine". CJ 14-3/1971: pp. 317-26.
- B. RANDELL, "On Alan Turing and the Origins of Digital Computers", in B. MELTZER and D. MICHIE, 7: pp. 3-20.
- B. RANDELL, "From Analytical Engine to Electronic Digital Computer: the Contributions of Ludgate, Torres, and Bush". AHC 4-4/October 1982.
- W. REITMAN (editor), *Artificial Intelligence. Applications for Business*. Norwood, N. J.: Albex, 1984.
- M. REJEWSKI, "How Polish Mathematicians Deciphered the ENIGMA". AHC 3-3/July 1981.
- F. J. REX, "Herman Hollerith, the first 'Statistical Engineer'". CA 10-8/1961: pp. 10-13.
- R. K. RICHARDS, *Digital Computer Components and Circuits*. Princeton, N. J.: Van Nostrand, 1957.
- R. K. RICHARDS, *Electronic Digital Systems*. New York: J. Wiley, 1966.
- D. RITCHIE, *The Computer Pioneers*. New York: Simon and Schuster, 1986.
- P. RODWELL, *Personal Computers*. London: W. H. Allen, 1982.
- J. M. ROSENBERG, *The Computer Prophets*. New York: Macmillan, 1969.
- BERTRAND RUSSELL (1919), *Introduction to Mathematical Philosophy*. London: Routledge, 1996.
- C. E. SHANNON, "A Symbolic Analysis of Relay and Switching Circuits". TAIEE 723/1938.
- C. E. SHANNON and W. WEAVER, *The Mathematical Theory of Communication*. Urbana: University of Illinois Press, 1949.
- C. SINGER, *A History of Technology*. Oxford: Clarendon Press, 1955-1957.
- D. E. SMITH (editor), *A Source Book in Mathematics*. New York: McGraw-Hill, 1929.
- T. M. SMITH, "Some Perspectives on the Early History of Computers". See Z.W. PYLYSHYN, pp. 7-15.
- D. DE SOLLA PRICE, "Portable Sundials in Antiquity. Including an Account of a New Example from Aphrodisias". CENT, 14/1969: pp. 242-66.
- D. DE SOLLA PRICE, "Gears from the Greeks. The Antikythera Mechanism - a Calendar Computer from c.80BC". TAPS, November 1974.
- D. DE SOLLA PRICE, "Calculating Machines". IEEE Micro, February 1984.
- N. STERN, "The BINAC: A Case Study in the History of Technology". AHC, 1-1/July 1979.

- N. STERN, *From ENIAC to UNIVAC, an Appraisal of the Eckert-Mauchly Computers*. Bedford, MA: Digital Press, 1981.
- R. J. STERNBERG (editor), *Handbook of Human Intelligence*. Cambridge: Cambridge University Press, 1982.
- G. R. STIBITZ, "The Relay Computers at Bell Laboratories". *Datamation*, 13-4/April 1967, pp. 35-44; 5/May 1967, pp. 45-9.
- G. R. STIBITZ and J. A. LARRIVÉE, *Mathematics and Computers*. New York: McGraw-Hill, 1957.
- S. STRANDH, *A History of the Machine*. New York: A. and W. Publishers Inc., 1979.
- N. I. STYAZHKIN, *History of Mathematical Logic from Leibniz to Peano, etc.* Cambridge, MA: The MIT Press, 1969.
- M. SULLIVAN-TRAINOR, "The Precomputer Age. A time line, 500 B.C. to 1946 A.D.". *Computerworld*, 160/3 November 1986.
- M. SULLIVAN-TRAINOR, "The Computer Age. A time line, 1946 A.D. to 2000 A.D.". *Computerworld* 160/3 November 1986.
- D. SWADE, *The Cogwheel Brain. Charles Babbage and the Quest to Build the First Computer*. London: Little, Brown, 2000.
- A. H. TAUB (editor), *John von Neumann: Collected Works*. Oxford: Pergamon, 1963.
- S. THOMAS, *Computers: their History, Present Applications and Future*. New York: Holt, Rinehart and Winston, 1964.
- G. TILGHMAN RICHARDS, *The History and Developments of Typewriters*. London: Science Museum, 1964.
- K. TILTON, *International Diffusion of Technology: The Case of Semi-Conductors*. Washington, D.C.: Brookings Institution, 1971.
- L. TORRES Y QUEVEDO, "Ensayos sobre Automatica. Su Definicion. Extension teorica de sus aplicaciones". For English version see B. RANDELL, 1973, pp. 87-105.
- L. TORRES Y QUEVEDO, "Arithmomètre électromécanique". For English version see B. RANDELL, 1973, pp. 107-118.
- M. TRASK, *The Story of Cybernetics*. London: Studio Vista, 1971.
- L. E. TRUESDELL, *The Development of Punch Card Tabulation in the Bureau of the Census 1890-1940*. Washington D.C.: Department of Commerce, Bureau of the Census, 1965.
- J. A. V. TURCK (1921), *The Origin of Modern Calculating Machines*. New York: Arno Press, 1972.
- A. M. TURING, "On Computable Numbers, with an Application to the Entscheidungsproblem". *PLMS*, 2nd series, 42/1936: pp. 230-67.
- A. M. TURING, *Proposals for Development in the Mathematics Division of an Automatic Computing Engine (A.C.E.)*. Report E. 882, Executive Committee, National Physical Laboratory, Teddington, Middlesex, 1945.
- S. TURING, *Alan M. Turing*. Cambridge: W. Heffer, 1959.
- S. ULAM, "John von Neumann 1903-1957". *BAMS* 64/May 1958: pp. 1-49.
- B. L. VAN DER WAERDEN, *Science Awakening*, vol. 1, pp. 47-9. Groningen: Nordhoof, 1954.
- M. H. WEIK, "The ENIAC Story". *JAOA*, January-February 1961: pp. 3-7.
- N. WIENER, *Cybernetics, or Control and Communication in the Animal and the Machine*. New York: J. Wiley, 1948.
- M. V. WILKES, "The Design of a Practical High-Speed Computing Machine". *PRS*, A 195/1948: pp. 274-9.

- M. V. WILKES, "Programme Design for a High-Speed Automatic Calculating Machine". JSI 26/June 1949: pp. 217-20.
- M. V. WILKES, "Automatic Calculating Machines". JRSA 4862/1951, vol. C: pp. 56-90.
- M. V. WILKES, "The EDSAC Computer". REDC, Joint AIEE-IRE Computer Conference, 10-12 December 1951, pp. 79-83. New York: American Institute of Electrical Engineers, 1952.
- M. V. WILKES, *Automatic Digital Computers*. London: Methuen, 1956.
- M. V. WILKES, "Babbage as a Computer Pioneer". *Report of Proceedings, Babbage Memorial Meeting*. British Computer Society, London, 18 October 1971.
- M. V. WILKES, *Memoirs of a Computer Pioneer*. Cambridge, MA: MIT Press 1985.
- M. V. WILKES and W. RENWICK, "The EDSAC - an Electronic Calculating Machine". JSI 26/December 1949: pp. 385-91.
- M. V. WILKES and W. RENWICK, "The EDSAC (Electronic Delay Storage Automatic Calculator)". MTAC 4/1950: pp. 61-5.
- J. H. WILKINSON, "The Automatic Computing Engine at the National Physical Laboratory". PRS, A 195/1948: pp. 285-6.
- W. F. WILLCOX, "John Shaw Billings and Federal Vital Statistics". JASA, 21/1926: pp. 257-66.
- W. F. WILLCOX, "Herman Hollerith". MTAC, 3/1948: pp. 62-3.
- F. C. WILLIAMS and T. KILBURN, "Electronic Digital Computers". NA, 162/September 1948: p. 487.
- M. R. WILLIAMS, *A History of Computing Technology*. London: Prentice-Hall, 1985.
- T. I. WILLIAMS, *A Short History of Twentieth Century Technology, 1900-1950*. Oxford: Clarendon Press, 1982.
- P. WINSTON, *Artificial Intelligence*. Reading, MA: Addison-Wesley, 1982.
- A. WOLF, *Calculating Machines. A History of Science, Technology and Philosophy in the Eighteenth Century*. London: George Allen and Unwin, 1938.
- K. ZUSE, "German Computer Activities". CTF 13-6/17.
- K. ZUSE, "Installation of the German Computer Z 4 in Zurich in 1950". AHC, 2-3/July 1980.

NO AUTHOR LISTING:

- "A Manual of Operation for the Automatic Sequence Controlled Calculator (ASCC)". ACLHU, 1/1946.
- "Description of a Relay Calculator". ACLHU, 14/1949.
- "Description of a Magnetic Drum Calculator". ACLHU, 25/1952.
- "New Calculating Machine". ILN, 26/ 30 June 1855: p. 661.
- "The Swedish Tabulating Machine of Georg and Edvard Scheutz". ADO, 1/1866: pp. 116-26.
- "Charles Babbage". NA, 5-106/9 November 1871: pp. 28-29.
- "The Electrical Tabulating Machine Applied to Cost Accounting". AM, 25/ 16 August 1902: pp. 1073-5.
- "The Burroughs Adding and Listing Machine". *Engineering*, 83/ 3 May 1907: pp. 580-1.
- "IBM Selective Sequence Electronic Calculator". MTAC, 3/1948: pp. 216-17.
- "The Thirsk Totalisator". ER, 106, no. 2724: pp. 268-9.

2. WORKS IN OTHER LANGUAGES

- H. ADLER, J. BORMANN, W. KAMMERER, I. O. KERNER and N. J. LEHMANN, "Mathematische Maschinen". EMDDR, Berlin, 1974.
- P. AIGRAIN, "Deux mille ans d'automates". SA, special issue, 49. Paris, September 1984.
- P. AIGRAIN, "De l'organisation au calcul". IAF 27. Paris, January 1985.
- D. ANDLER, "La Machine universelle". SA, special issue, 49. Paris, September 1984.
- A. APOKIN and L. E. MAISTROV, *Rasvitie Vyichislenyih Mashin*. Moscow: Nauka, 1974.
- L. APOSTEL, B. MANDELROT and A. MORF, *Logique, Langage et Théorie de l'information*. Paris: PUF, 1957.
- ARNAULD and NICOLE (1662), *Logique de Port-Royal, ou Art de penser*. Paris: Hachette, 1854.
- J. ARSAC, *La Science informatique*. Paris: Dunod, 1970.
- J. ARSAC, *Les Machines à penser*. Paris: Le Seuil, 1987.
- H. ATLAN, *L'Organisation biologique et la Théorie de l'information*. Paris: Hermann, 1972.
- CHARLES BABBAGE, "Note sur la machine suédoise de MM. Scheutz pour calculer les tables mathématiques par la méthode des différences et en imprimer les résultats sur les planches stéréotypes". CRAS 41/ 8 October 1855, pp. 557-60; 41/ 28 April 1856: pp. 798-800.
- H. BAKIS, *IBM: une multinationale régionale*. Grenoble: Presses universitaires, 1977.
- W. DE BEAUCLAIR, *Rechnen mit Maschinen. Eine Bildgeschichte der Rechentechnik*. Brunswick: Vieweg und Sohn, 1968.
- C. BERTHO, *Télégraphes et Téléphones, De Valmy au microprocesseur*. Paris: Hachette, 1981.
- C. BERTHO, *Histoire des télécommunications*. Paris: Ères, 1984.
- R. BLANCHÉ, *La Science physique et la réalité*. Paris: PUF, 1948.
- R. BLANCHÉ (1957), *Introduction à la logique contemporaine*. Paris: A. Colin, 1970.
- R. BLANCHÉ, *L'Axiomatique*. Paris: PUF, 1965.
- BLIN, "Un imbécile calculeur". BSMM, January 1910.
- J. BOCCARDI, *Guide du calculeur*. Paris: Catane, 1902.
- V. G. VON BOHL, *Pribory i mashiny dlya mehanicheskovo proizvodstva arifmeticheskikh deistvii*. Moscow, 1896.
- L. BOLLÉE, "Sur une nouvelle machine à calculer". CRAS 109/1889: pp. 737-9.
- H. BOUCHER, *Organisation et fonctionnement des machines arithmétiques*. Paris: Masson, 1960.
- BOULENGER, *Informatique et administration de l'entreprise*. Paris: Sirey, 1968.
- P. BOUTROUX, *L'Idéal scientifique des mathématiciens*. Paris: Alcan, 1922.
- J. BOUVERESSE, J. ITARD and E. SALLÉ, *Histoire des mathématiques*. Paris: Larousse, 1977.
- A. BOUVIER, *La Théorie des ensembles*. Paris: PUF, 1972.
- V. BRANDEBOURG, *Méthodes simples de calcul extrarapide et de calcul mental*. Paris-Grenoble: Hachette, 1926.
- V. BRANDEBOURG, "Les calculeurs prodiges et leurs expériences". BSA 65-7/1916: pp. 218-45.
- P. BRETON, *Histoire de l'informatique*. Paris: Le Seuil, 1990.
- L. BRILLOUIN, *La Science et la Théorie de l'information*. Paris: Masson, 1959.

- L. DE BROGLIE, *Sur les sentiers de la science*. Paris: Albin Michel, 1960.
- L. BRUNSCHVICG, *La Physique du vingtième siècle et la philosophie*. Paris: Hermann, 1936.
- J. BUREAU, *Dictionnaire de l'Informatique*. Paris: Larousse, 1972.
- A. BURLOUD, *La Pensée conceptuelle*. Paris: Alcan, 1927.
- F. P. CAMPOS, *Applications mécano-comptables des machines à totalisateurs multiples*. Paris: Étienne Chiron, 1944.
- P. CARRÉ, *Du Tam-Tam au Satellite*. Paris: Explora, Presses Pocket, 1991.
- O. CARRERA, D. LOISEAU and O. ROUX, *Androïdes, les automates de Jaquet-Droz*. Lausanne: Scriptor, F. M. Ricci, 1979.
- G. CASANOVA, *L'Algèbre de Boole*. Paris: PUF, 1972.
- J. P. CHANGEUX, *L'Homme neuronal*. Paris: Fayard, 1983.
- J. CHEVALIER and A. GHEERBRANT, *Dictionnaire des symboles*. Paris: Robert Laffont, 1982.
- M. CHIVA, *Débiles normaux, débiles pathologiques*. Neuchâtel: Delachaux and Niestlé, 1973.
- E. CLAPARÈDE, *L'Invention*, Centre international de Synthèse, 9e semaine. Paris: Alcan, 1937.
- P. CONSO and P. POULAIN, *Informatique et gestion de l'entreprise*. Paris: Dunod, 1969.
- O. COSTA DE BEAUREGARD, *Le Second Principe de la Science du temps, entropie, information, irréversibilité*. Paris: Le Seuil, 1963.
- L. COUFFIGNAL, *Les Machines à calculer, leur principe, leur évolution*. Paris: Gauthier Villars, 1933.
- L. COUFFIGNAL, "Calcul mécanique: Sur l'emploi de la numération binaire dans les machines à calculer et les instruments nomomécaniques". CRAS 202/1936, pp. 1970-2.
- L. COUFFIGNAL, "Sur un problème d'analyse mécanique abstraite". CRAS 206/1938: pp. 1336-8.
- L. COUFFIGNAL, *Sur l'analyse mécanique: application aux machines à calculer et aux calculs de la mécanique céleste*, Thèse présentée à la faculté des sciences de Paris, série A 1772. Paris: Gauthier Villars, 1938.
- L. COUFFIGNAL, "Traits caractéristiques de la machine à calculer universelle de l'Institut Blaise Pascal". ACLHU 26/September 1949: pp. 374-86.
- L. COUFFIGNAL, *Information et Cybernétique*. Paris: Gauthier Villars, 1958.
- L. COUFFIGNAL, *La Cybernétique*. Paris: PUF, 1963.
- L. COUFFIGNAL, *Les Machines à penser*. Paris: Les Éditions de Minuit, 1964.
- L. COUFFIGNAL, and M. P. SCHUTZENBERGER, "La Cybernétique", in *Encyclopédie française*.
- A. CROIX and J. QUÉNIART, *La Culture programme*. Roanne, 1993.
- A. CUVILLIER (1954), *Cours de philosophie*. Paris: A. Colin, 1987.
- M. DANLOUX-DUMESNILS, *Le Calcul analogique par courants continus*. Paris: Dunod, 1958.
- M. DAUMAS (editor), *Histoire générale des techniques*, vol. 5. Paris: PUF, 1979.
- E. DAVALO and P. NAÏM, *Des réseaux de neurones*. Paris: Eyrolles, 1989.
- H. DELACROIX, *Le Langage et la Pensée*. Paris: Alcan, 1922.
- C. E. DELAUNAY, "Rapport sur la machine à calculer présentée par M. Wiberg". CRAS 56/1863: pp. 330-9.
- P. DEMARNE and M. ROUQUEROL, *Les Ordinateurs électroniques*. Paris: PUF, 1961.

- L. DEPECKER, "Cinq notions de télédétection aérospatiale: un exemple de structuration d'un champ terminologique". *Meta*, 34-2/1989.
- L. DEPECKER, *Introduction à l'étude de la télédétection aérospatiale et de son vocabulaire*. Paris: La Documentation française, 1991.
- P. DEVAUX, *Automates et Automatismes*. Paris: PUF, 1941.
- P. DEVAUX, *Automates, Automatismes, Automations*. Paris: PUF, 1967.
- J. DHOMBRES, "La fin du siècle des Lumières: un grand élan scientifique", in *Deux Siècles de France*, (G. Ifrah, editor). *Total Information*, 111/June 1989): pp. 5-12.
- J. DHOMBRES, *Nombre, Mesure et Continu: épistémologie et histoire*. Paris: Fernand Nathan, 1978.
- M. DOROLLE, *Le Raisonnement par analogie*. Paris: PUF, 1949.
- A. DOYON and L. LIAIGRE, *Jacques de Vaucanson, mécanicien de génie*. Paris: PUF, 1966.
- O. DUCROT and T. TODOROV, *Dictionnaire encyclopédique des sciences du langage*. Paris: Le Seuil, 1972.
- D. DURAND, *La Systémique*. Paris: PUF, 1987.
- J. ERRARD DE BAR-LE-DUC (1584), *Premier Livre des Instruments mathématiques mécaniques*. Nancy: Berger-Levrault, 1979
- R. ESCARPIT, *L'Écrit et la communication*. Paris: PUF, 1978.
- J. FAVIER and R. THOMELIN, *La Mécanographie. Machines à calculer. Machines comptables. Machines à cartes perforées. Calculatrices*. La Chapelle-Montligeon: Éditions de Montligeon, 1965.
- J. P. FLAD, "L'horloge à calcul de l'astronome W. Schickard semble avoir été la première machine à calculer à engrenages propre aux quatre opérations". *Chiffres* 1/1958: pp. 143-8.
- J. P. FLAD, *Les Trois Premières Machines à calculer: Schickard, Pascal et Leibniz*. Lecture at the Palais de la Découverte, Paris, 8 June 1963.
- J. M. FONT, J. C. QUINIOU and G. VERROUST, *Les Cerveaux non humains. Introduction à l'informatique*. Paris: Denoël, 1970.
- P. FOULQUIÉ, *Nouveau précis de philosophie*. Paris: Éd. de l'École, 1960.
- P. FOULQUIÉ, *Dictionnaire de la langue philosophique*. Paris: PUF, 1982.
- S. FOURSIN, *La Mécanographie comptable*. Paris, 1950.
- B. VON FREYTAG LÖRINGHOFF, "Wiederentdeckung und Rekonstruktion der Ältesten Neuzeitlichen Rechenmaschinen". *VDI Nachrichten* 14, no. 39.4 (December 1960).
- B. VON FREYTAG LÖRINGHOFF, "Wilhelm Schickard und seine Rechenmaschinen von 1623" in M. GRAEF, pp. 11-20.
- K. FRIEDRICHS, I. FISCHER-SCHREIBER, F. K. ERHARD and M. S. DIENER, *Dictionnaire de la sagesse orientale*. Paris: Robert Laffont, 1989.
- T. DE GALIANA, *Dictionnaire des découvertes scientifiques*. Paris: Larousse, 1968.
- A. GALLE, *Mathematische Instrumente*. Leipzig: B. G. Teubner, 1912.
- M. GALLON, *Recueil des machines et inventions approuvées par l'Académie des Sciences*, vol. IV. Paris, 1730.
- M. GARDNER, "Jeux mathématiques". *PLS* 10/1978: pp. 96-100.
- C. J. GIESING, *Neuer Unterricht in der Schnellrechenkunst*. Döbeln, 1884.
- B. GILLE, *Les Ingénieurs de la Renaissance*. Paris: Le Seuil, 1978.
- B. GILLE, "Histoire des techniques". In *Encyclopédie de la Pléiade*. Paris: Gallimard, 1978.
- B. GILLE, *Les Mécaniciens grecs, la naissance de la technologie*. Paris: Le Seuil, 1980.

- F. GILLOT, *Algèbre et logique, d'après les textes originaux de G. Boole et W. S. Jevons, avec les plans de la machine logique*. Paris: A. Blanchard, 1962.
- V. A. GISCARD D'ESTAING, *Le Livre mondial des inventions*. Paris: Fixot/Compagnie 12, 1993.
- E. GOBLOT, *Traité de logique*. Paris: A. Colin, 1918.
- E. GOBLOT, *Le Système des sciences*. Paris: A. Colin, 1922.
- F. GONSETH, *Qu'est-ce que la logique?* Paris: Hermann, 1937.
- F. GONSETH, *Philosophie mathématique*. Paris: Hermann, 1939.
- M. GRAEF, *350 Jahre Rechenmaschinen*. Munich: Carl Hanser Verlag, 1973.
- M. GRANET, *La Pensée chinoise*. Paris: Albin Michel, 1988.
- G. T. GUILBAUD, *La Cybernétique*. Paris: PUF, 1954.
- P. GUILLAUME, *La Psychologie de la forme*. Paris: Flammarion, 1939.
- S. GÜNTHER, "Die quadratischen Irrationalitäten der Alten". AGM 4/1882.
- E. GUYOU. NAM 3-8/1889.
- E. GUYOU, *Note sur les approximations numériques*. Paris, 1891.
- C. HAMANN, *Über Elektrische Rechenmaschinen*. Neu Babelsberg, c.1932.
- A. HENNEMAN, *Die Technische Entwicklung der Rechenmaschine*. Aix-la-Chapelle: Verlag Peter Basten, 1953.
- D. HILBERT and W. ACKERMANN, *Grundzüge der theoretischen Logik*. Berlin, 1931.
- L. A. D. HOYAU (1822), "Description d'une machine à calculer nommée arithmomètre de l'invention de M. le chevalier Thomas de Colmar". BSEIN 132/1920: pp. 662-70.
- G. IFRAH, *Le Calcul: de l'abaque à la calculatrice programmable*. Paris, 1987.
- F. JACOB, *La Logique du vivant*. Paris: Gallimard, 1970.
- L. JACOB, *Le Calcul mécanique*. Paris: Octave Douin et Fils, 1911.
- E. JACOBY, *Biographie de Henri Mondeux*. Paris, (no date).
- R. JAKOBSON, *Essais de linguistique générale*. Paris: Éditions de Minuit, 1963.
- W. KÖHLER, *L'Intelligence des signes supérieurs*. Paris: Alcan, 1927.
- A. KOYRÉ, in: R. Taton, *Histoire générale des sciences*: 2, p. 51. Paris: PUF, 1957-1964.
- J. LABADIÉ, "Les calculateurs prodiges ont plus de mémoire que de méthode". SV, 376/1949: pp. 19-22.
- J. LARMAT, *La Génétique de l'intelligence*. Paris: PUF, 1973.
- M. H. LAURENT, "Calcul mental", in *Grande Encyclopédie Larousse du XIXe siècle*, Paris.
- A. LE GARFF, *Dictionnaire de l'informatique*. Paris: PUF, 1975.
- F. LE LIONNAIS, *Les Grands courants de la pensée mathématique*. Paris: A. Blanchard, 1962.
- L. LEPRINCE-RINGUET, *L'Aventure de l'électricité*. Paris: Flammarion, 1983.
- G. LHOSTE and P. PEPE, *Gestion automatisée des entreprises par les machines à cartes perforées*. Paris: Dunod, 1958.
- L. J. LIBOIS, *Genèse et croissance des Télécommunications*. Masson, 1983.
- R. LIGONNIÈRE, *Préhistoire et histoire des ordinateurs*. Paris: Robert Laffont, 1987.
- R. LIGONNIÈRE, "Les origines de l'informatique anglaise". InPr 24/June-July 1984; 26/October 1984; 27/November 1984. (And see articles by R. Ligonnère in *Ordinateurs*.)
- J. L. LIONS (editor), "De l'intelligence artificielle aux bio-sciences". CESTA-AFCET, *Colloque Cognitiva*, 4-7 June. Paris, 1985.

- M. V. LOCQUIN (editor), *Aux Origines de la vie*. Paris: Fayard, 1987.
- A. LOEWY, AMP, 33/1902.
- MACKINTOSH, "L'ordinateur de John Atanasoff". PLS, Mensuel, 132/October 1988: pp.74–80.
- M. MARGENSTERN, *Langage Pascal et logique du premier ordre*. Paris: Masson, 1989.
- E. MARTIN, *Die Rechenmaschinen und ihre Entwicklungsgeschicht*. Pappenheim, 1925.
- L. MASSIGNON and R. ARNALDEZ, "La Science arabe". In: R. Taton, *Histoire générale des sciences*: pp. 431–71. Paris: PUF, 1957–1964.
- L. F. MENABREA, "Sur la Machine Analytique de Charles Babbage". CRAS, 28 July 1884: pp. 179–82.
- R. MOREAU, "Les langages de l'informatique". SA, special issue, 1969: pp. 41–7.
- R. MOREAU, *Introduction à la théorie des langages*. Paris: Hachette, 1975.
- R. MOREAU, "L'ordinateur électronique dans les sciences humaines". *Sciences* 43–44/May–August 1966: pp. 82–91.
- R. MOREAU, *Ainsi naquit l'informatique*. Paris: Bordas Informatique, 1987.
- R. MOREAU, PLS, Mensuel 132/October 1988: pp. 80–3.
- E. MORIN, *La Méthode*. Paris: Le Seuil, 1977.
- H. DE MORIN, *Les Appareils d'intégration*. Paris, 1913.
- P. MORVAN, *Dictionnaire de l'informatique*. Paris: Larousse, 1986.
- J. MOSCONI, *Constitution de la théorie des automates*, thesis, University of Paris I, 1989.
- P. E. MOUNIER-KUHN, *L'Informatique en France depuis 1945: histoire d'une politique scientifique et industrielle*, thesis, Paris: Conservatoire nationale des Arts et Métiers, 1995.
- P. E. MOUNIER-KUHN, "Les premiers ordinateurs en France". HIF.2.
- J. W. NAGLER, "In memoriam Gustav Tauschek". BFT, 1966: pp. 1–14.
- C. NICOLADZE, "Arithmomètre à multiplication directe purement électrique". CRAS, 186/1928: pp. 123–4.
- M. D'OCAGNE, "Histoire des machines à calculer". BSEIN 132/September 1920: pp. 554–69.
- M. D'OCAGNE, "Vue d'ensemble sur les machines à calculer". BDSM, 2nd series, 4/1922, pp. 102–44.
- M. D'OCAGNE, "Torres-Quevedo". *Larousse mensuel* 364/June 1937: pp. 727–8.
- P. OLÉRON, *L'Intelligence*. Paris: PUF, 1986.
- J. PAYEN, "Les exemplaires de la machine de Pascal". RHSA 16–2/April–June 1963: pp. 161–78.
- M. PELEGRIN, *Machines à calculer électroniques arithmétiques et analogiques*. Paris: Dunod, 1959.
- J. PÉRÈS, L. BRILLOUIN and L. COUFFIGNAL, "Les grandes machines mathématiques". AT 2/1948, no. 11, pp. 329–46; no. 12, pp. 376–85.
- J. PERRIAULT, *Éléments pour un dialogue avec l'informaticien*. Paris: Mouton, 1971.
- H. PIÉRON, *Vocabulaire de la psychologie*. Paris: PUF, 1979.
- R. PILORGE, *Comprendre l'informatique*. Paris: J. Delmas, 1969.
- Y. PLOTON (with M. BARROIS and the Bull Historical Archive), *Itinéraires*. Paris: Bull Communications, 1992.
- H. POINCARÉ, *La Science et l'hypothèse*. Paris: Flammarion, 1902.
- H. POINCARÉ, *Science et méthode*. Paris: Flammarion, 1909.
- J. POYEN and J. POYEN, *Le Langage électronique*. Paris: PUF, 1960.
- M. PRADINES, *Traité de psychologie générale*. Paris: PUF, 1943–1946.

- D. DE PRAT, *Traité de tissage au Jacquard*. Paris: Ch. Béranger, 1921.
- O. PRIEB, *Rechenmaschinen in Büro*. Baden-Baden, 1955.
- I. PRIGOGINE and I. STENGERS, *La Nouvelle alliance*. Paris: Gallimard, 1979.
- J. RAMUNNI, *Physique du calcul*. Paris: Hachette, 1989.
- F. H. RAYMOND, *Calcul analogique. Principes et contributions et théorie générale*. Paris: Société de la Revue d'optique, 1952.
- F. H. RAYMOND, "Les calculatrices numériques universelles". MAF, 3rd series, 1955; 4th series, 1956.
- F. H. RAYMOND, *L'Automatique des informations*. Paris: Masson, 1957.
- F. H. RAYMOND, "Deux calculatrices SEA". OE, December 1960.
- F. H. RAYMOND, *Les Principes des ordinateurs*. Paris: PUF, 1969.
- J. REGNAULT, *Les Calculateurs prodiges*. Paris: Payot, 1952.
- B. RENARD, *Le Calcul électronique*. Paris: PUF, 1960.
- T. RIBOT, *L'Évolution des idées générales*. Paris: Alcan, 1897.
- F. ROSE, *L'Intelligence artificielle: histoire d'une science*. Paris: Payot, 1986.
- R. RUYER, *La Cybernétique et l'origine de l'information*. Paris: Flammarion, 1954.
- J. G. SANTESMASES, *Obra e inventos de Torres Quevedo*. Madrid: Coleccion Cultura y Ciencia, Instituto de España, 1980.
- A. G. SCHRANZ, *Addiermaschinen einst und jetzt*. Aix-la-Chapelle, 1953.
- P. M. SCHUHL, *Machinisme et philosophie*. Paris: PUF, 1938.
- H. SEBERT, "Rapport fait par M. Sebert, au nom du Comité des arts économiques, sur la machine à calculer, dite arithmomètre, inventée par M. Thomas (de Colmar) et perfectionnée par M. Thomas de Bojano...". BSEIN 1879: pp. 393-425.
- H. SEBERT, "Rapport fait par M. Sebert, au nom du Comité des arts économiques, sur les machines à calculer de M. Léon Bollée, du Mans". BSEIN 1895: pp. 977-96.
- N. SILLAMY, *Dictionnaire de la psychologie*. Paris: Larousse, 1967.
- J. C. SIMON, *L'Informatisation de la société*. Paris: La Documentation française, 1980.
- J. C. SIMON, *La Reconnaissance des formes par algorithmes*. Paris: Masson, 1984.
- C. SOTTOCORONA, *Come si diventa specialista di informatica*. Milan: Mondadori, 1986.
- R. TATON (editor), *Histoire générale des sciences* (4 vol.), Paris: PUF, 1957-1964.
- R. TATON, *Histoire du calcul*. Paris: PUF, 1969.
- R. TATON, "Sur l'invention de la machine arithmétique". RHSA, 16/1963: pp. 139-60.
- R. TATON and J. P. FLAD, *Le Calcul mécanique*. Paris: PUF, 1963.
- G. TAUSCHEK, *Die Lochkarten-Buchhaltungsmaschinen . . .* Vienna, November 1930.
- G. TORRES-QUEVEDO, "Les travaux de l'école espagnole sur l'automatisme". *Les Machines à calculer et la Pensée humaine. Colloque international du CNRS*. Paris, 8-13 January 1951: Éditions du CNRS, Paris, 1953, pp. 361-81.
- G. TORRES-QUEVEDO, "Présentation des appareils de Leonardo Torres y Quevedo". *Les Machines à calculer et la Pensée humaine. Colloque international du CNRS*. Paris, 8-13 January 1951: Éditions du CNRS, 1953, pp. 383-406.
- L. TORRES Y QUEVEDO, "Ensayos sobre Automatica. Su Definicion. Extension teorica de sus aplicaciones". RACE, 12/1913: pp. 391-418.
- L. TORRES Y QUEVEDO, "Arithmomètre électromécanique". BSEIN, 199/September-October 1920: pp. 588-9.

- B. A. TRAHTENBROT, *Algorithmes et machines à calculer*. Paris: Dunod, 1963.
- J. TRICOT, "1940–1950: Les premiers ordinateurs à programme enregistré". SV, no. 741, June 1979: pp. 114ff.
- H. J. UFFLER, E. HONORÉ and E. TORCHEUX, "Le calculateur universel 'ANALAC 101'". OE, 405/December 1960: pp. 979–94.
- M. VAJOU, "Alan Turing, ou la mécanisation de l'intelligence". SA, special issue, no. 49, September–October 1984.
- P. VALÉRY, *Variété*, IV. Paris: Gallimard, 1939.
- R. L. A. VALTAT, "Calcul mécanique: machine à calculer fondée sur l'emploi de la numération binaire". CRAS, 202/1936: pp. 1745–8.
- G. VERROUST, *Structure d'un automate algorithmique universel: l'ordinateur*. Séminaire du CNSNSM, CNRS, Orsay, 1965.
- G. VERROUST, *De la maîtrise du feu à une révolution de l'intelligence*. Conférence du MURS, Paris, December 1984.
- G. VERROUST, *La Révolution informationnelle du XXe siècle, une étape fondamentalement nouvelle de l'histoire des hommes*. European Philosophy Conference, 24–28 June, Athens, 1985.
- G. VERROUST, "Vers une civilisation de robots qui prendront la place de l'homme sur terre?". SA, Autumn 1992.
- G. VIEILLARD, *L'Affaire Bull*. Paris: Spag-Chaix, 1968.
- H. VIGNERON, "Les automates". NAT, 13 June 1914: pp. 56–61.
- H. VIGNERON, "L'arithmomètre de M. Torres y Quevedo". NAT, 7 August 1920: pp. 89–93.
- R. WILHELM, *Le Yi-King, le livre des transformations*. Paris: Librairie de Médicis, 1973.
- K. ZUSE, *Der Computer – Mein Lebenswerk*. Munich: Verlag Moderne Industrie, 1970.

NO AUTHOR LISTING:

- Instruments et machines à calculer. Catalogue du musée du Conservatoire national des Arts et Métiers. Section A*. Paris, 1942.
- Le Centenaire de NCR. Vol. 1 (1884–1922, L'Ère de la caisse enregistreuse)*. NCR Corporation, 1984.
- Le Centenaire de NCR. Vol. 2 (1923–1951, L'Ère de la machine comptable)*. NCR Corporation, 1984.
- Le Centenaire de NCR. Vol. 3 (1952–1984, L'Ère de l'ordinateur)*. NCR Corporation, 1984.
- Terminologie du traitement de l'information*. Paris: IBM France, 1987.
- De la machine de Pascal à l'ordinateur: 350 ans d'informatique*. Paris: Musée national des Techniques, 1990.
- Informatique: nouveaux concepts scientifiques. Colloque en l'honneur de JeanClaude Simon*. Paris, 3–4 October 1990.