

APPENDIX

COLLECTIONS OF BIOGRAPHIES AND MEMOIRS

- Anon., *Leaders in American Science*, Who's Who in American Education, Inc., Nashville, Tenn., 8 Vols., 1953-1969.
- Anon., "Thanks for the Memories," *Datamation*, Vol. 28, No. 10, Sept. 1982, pp. 27-52.
- Anon., *Who's Who in Computers and Data Processing 1971*, Quadrangle Books, New York, 5th ed., 1971.
- Applied Computer Research, *Directory of Top Computer Executives*, Applied Computer Research, Phoenix, Ariz., 1983.
- Azimov, Isaac, and Karen A. Frenkel, *Robots: Machines in Man's Image*, Harmony Books, New York, 1985.
- Berkeley, Edmund C., *Who's Who in the Computer Field*, Berkeley Enterprises, Newtonville, Mass., 1963.
- Caddes, Carolyn, *Portraits of Success: Impressions of Silicon Valley Pioneers*, Tioga Publishing Co., Palo Alto, Calif., 1986.
- Cortada, James W., *Historical Dictionary of Data Processing: Biographies*, Greenwood Press, Westport, Conn., 1987.
- Cringely, Robert X., *Accidental Empires*, Williams Patrick/Addison Wesley, Reading, Mass., 1992.
- Debus, Allen G., *World Who's Who in Science*, Marquis-Who's Who, Inc., Chicago, 1968.
- Levering, Robert, Michael Katz, and Milton Moskowitz, *Computer Entrepreneurs: Who's Making It Big and How in America's Upstart Industry*, New American Library, New York, 1984.
- Levy, Steven, *Hackers: Heroes of the Computer Revolution*, Anchor Press/Doubleday, Garden City, N.Y., 1984.
- Ralston, Anthony, and Edwin D. Reilly, Jr., *Encyclopedia of Computer Science and Engineering*, Van Nostrand Reinhold Co., New York, 1983.
- Richie, David, *The Computer Pioneers*, Simon and Schuster, New York, 1986.
- Rosenberg, Jerry M., *The Computer Prophets*, MacMillan Co., London, 1969.
- Slater, Robert, *Portraits in Silicon*, MIT Press, Cambridge, Mass., 1987.
- Tropp, Henry S., "The Effervescent Years: A Retrospective," *IEEE Spectrum*, Vol. 11, No. 2, 1974, pp. 70-79.
- Zientara, Marguerite, et al., *The History of Computing.- A Biographical Portrait of the Visionaries Who Shaped the Destiny of the Computer Industry*, CW Communications, Framingham, Mass., 1981.

BIOGRAPHIES IN: Cortada, James W., *Historical Dictionary of Data Processing: Biographies*, Greenwood Press, Westport, Conn., 1987.

Ramon Lull (1235-1315)

John Napier (1550-1617)

Henry Briggs (1561-1630)
Wilhelm Schickard (1592-1635)
Rene Grillet (1600s)
Gaspard Schott (1608-1666)
Blaise Pascal (1623-1666)
Samuel Morland (1625-1695)
Gottfried Wilhelm von Leibniz (1646-1716)
Pierre Jacquet-Droz (1700s)
Wolfgang von Kempelen (1734-1804)
Joseph-Marie jacquard (1752-1834)
Baron jean-Baptiste-Joseph Fourier (1768-1830)
Pehr Georg Scheutz (1785-1873)
Charles Babbage (1791-1871)
George Boole (1815-1864)
Countess of Lovelace, Augusta Ada (1816-1852)
Martin Wiberg (1826-1905)
William Stanley Jevons (1835-1882)
Henry Adams (1838-1918)
Ramön Verea (1838-1899)
John Shaw Billings (1839-1913)
John Henry Patterson (1844-1922)
John K. Gore (1845-1910)
Willgodt Theophil Odhner (1845-1905)
Joseph Boyer (1848-1905)
George Barnard Grant (1849-1917)
Charles Ranlett Flint (1850-1934)
Emst Georg Fischer (1852-1935)
Leonardo Torres y Quevedo (1852-1936)
Allan Marquand (1853-1924)
George Winthrop Fairchild (1854-1924)
William Seward Burroughs (1855-1898)
Lyman Frank Baum (1856-1919)
Alfred Blake Dick (1856-1934)
Carl George Lange Barth (1860-1939)
Herman Hollerith (1860-1929)
Vilhelm Bjerknes (1862-1951)
Maurice d'Ocagne (1862-1938)
Dorr Eugene Felt (1862-1930)
Annibale Pastore (1868-1936)
Leon Bollee (1870-1913)
Edward Andrew Deeds (1874-1960)
Thomas John Watson (1874-1956)
James Wares Bryce (1880-1949)
Percy E. Ludgate (1883-1922)
Clark Hull (1884-1952)
James Henry Rand (1886-1968)
Theodore Henry Brown (1888-1973)
Clair D. Lake (1888-1958)
Vannevar Bush (1890-1974)
William Frederick Friedman (1891-1969)
Leslie John Comrie (1893-1950)
Alfred Blake Dick, Jr. (1894-1954)
Norbert Wiener (1894-1964)
Leslie Richard Groves (1896-1970)
Douglas Rayner Hartree (1897-1958)
Ernest Galen Andrews (1898-1980)
Boris Artybasheff (1899-1965)
Howard Hathaway Aiken (1900-1973)
Donald Alexander Flanders (1900-1958)
Harold Locke Hazen (1901-1980)
Alfred Tarski (1901-1983)
Wallace John Eckert (1902-1971)
Mina Spiegel Rees (1902-)
John Vincent Atanasoff (1903-)
John von Neumann (1903-1957)
John Grist Brainerd (1904-1988)
Alston Scott Householder (1904-)
Derrick Henry Lehmer (1905-1991)

Grace Brewster Murray Hopper (1906-1992)
Reynold B. Johnson (1906-)
Gordon S. Brown (1907-)
John William Mauchly (1907-1980)
Antonin Svoboda (1907-1980)
James Franklin Forster (1908-1972)
John Hamilton Curtiss (1909-1977)
William Bradford Shockley (1910-)
Konrad Zuse (1910-)
Richard Goodman (1911-1966)
Cuthbert C. Hurd (1911-)
John Aleksander Rajchman (1911-1989)
Louis "Moll" Nicot Ridenour, Jr. (1911-1959)
Frederic Calland Williams (1911-1977)
David Packard (1912-)
Alan Mathison Turing (1912-1954)
Julian Bigelow (1913-)
Herman Heine Goldstine (1913-)
Simon Ramo (1913-)
Maurice Vincent Wilkes (1913-)
Dean Everett Wooldridge (1913-)
George Bernard Dantzig (1914-)
Walter W. Jacobs (1914-1982)
George Robert Stibitz (1914-)
Thomas John Watson, Jr. (1914-)
Arthur Walter Burks (1915-)
Borje Langefors (1915-)
Nicholas C. Metropolis (1915-)
Harry Douglas Huskey (1916-)
Claude Elwood Shannon (1916-)
Herbert Alexander Simon (1916-)
Christopher Strachey (1916-1975)
Jule Gregory Charney (1917-1981)
Dov Chevion (1917-1983)
Frank August Engel, Jr. (1917-)
Robert Mano Fano (1917-)
Ralph Ernest Meagher (1917-)
Andrew Donald Booth (1918-)
Jay Wright Forrester (1918-)
John R. Pasta (1918-1981)
John Presper Eckert, Jr. (1919-)
Niels Ivar Bech (1920-1975)
Robert William Bemer (1920-)
Frank Taylor Cary (1920-)
An Wang (1920-1990)
Willis Howard Ware (1920-)
Heinz Zemanek (1920-)
Isaac Levin Auerbach (1921-1992)
Robert Rivers Everett (1921-)
Gene Myron Amdahl (1922-)
Alanj. Perlis (1922-1990) Saul Rosen (1922-1991)
J. Cliff Shaw (1922-1991)
John Weber Carr (1923-)
Victor Mikhaylovich Glushkov (1923-1982)
Jack St. Clair Kilby (1923-)
Herman Lukoff (1923-1979)
Joseph Weizenbaum (1923-)
John Backus (1924-)
Julien Green (1924-)
John R. Opel (1925-)
William Michael Blumenthal (1926-)
FernandoJose Corbató (1926-)
John Diebold (1926-)
Stanley Gill (1926-1975)
Kristen Nygaard (1926-)
Kenneth Harry Olsen (1926-)
Richard Utman (1926-)
William Louis Van Den Poel (1926-)

Robert (Bob) Overton Evans (1927-)
Charles Katz (1927-)
John McCarthy (1927-)
Marvin Lee Minsky (1927-)
Allen Newell (1927-1992)
Robert Norton Noyce (1927-)
David John Wheeler (1927-)
Bernard Aaron Galler (1928-)
Peter Naur (1928-)
Jean E. Sammet (1928-)
Gordon E. Moore (1929-)
Emerson W. Pugh (1929-)
Frederick Phillips Brooks, jr. (1931-)

Ole-Johan Dahl (1931-)
Andrei Petrovich Ershov (1931-1988)
Arie Van Wijngaarden (1933-1987)
Chester Gordon Bell (1934-)
Ralph E. Griswold (1934-)
Brian Randell (1936-)
Philip Don Estridge (1938-1985)
Donald Ervin Knuth (1938-)
Adam Osborne (1939-)
Gary A. Kildall (1942-1994)
Stephen Gary Wozniak (1950-)
William H. Gates (1955-)
Steven Paul Jobs (1955-)

BIOGRAPHIES IN: Evans, Christopher, *Pioneers in Computing* (audiocassettes), Science Museum, London, 1970.¹

Donald W. Davies
Tom Kilburn
Andrew D. Booth
Harry D. Huskey
Allen W.M. Coombs
Herman H. Goldstine
Gordon S. Brown
Michael Woodger
Jay W. Forrester
John W. Mauchly
Stanley M. Ulam
Thomas H. Flowers
Andrew Porter

J. Presper Eckert, Jr.
F.C. Williams
Arthur W. Burks
M.H.A. Newman
Grace Murray Hopper
Donald Michie
Harold L. Hazen
Konrad Zuse
J. Pinkerton
James H. Wilkinson
Ralph J. Slutz
Cuthbert C. Hurd
I. J. Good

¹ For a survey of contents, see Tropp, H.S., "Pioneers of Computing," *Ann. Hist. Comp.*, Vol. 3, No. 4, 1981, pp. 417-20. These interviews are biographical, but not complete by any means.

George R. Stibitz
Maurice V. Wilkes

John V. Atanasoff
Helmut Schreyer

BIOGRAPHIES IN: Ralston, Anthony, and Edwin D. Reilly, Jr., eds., *Encyclopedia of Computer Science and Engineering*, Van Nostrand Reinhold Co., New York, 1983.

Ada (Augusta Ada King [née Byron] Countess of Lovelace)

Howard Aiken John Vincent Atanasoff Charles Babbage

George Boole

J. Presper Eckert

Wallace Eckert

Herman Hollerith

Grace Murray Hopper

Gottfried Wilhelm von Leibniz

John William Mauchly

Blaise Pascal

Alan M. Turing

John von Nuemann

Maurice V. Wilkes

Konrad Zuse

BIOGRAPHIES IN: Wichie, David, *The Computer Pioneers*, Simon and Schuster, New York, 1986.

While not a collection of biographies, this book presents descriptions of the inventions and creations of:

Howard Aiken

Charles Babbage

Garrett Birkhoff

Arthur Burks

Alan Coombs

Wallace Eckert

Herman Goldstine

Herman Hollerith

Harry Huskey

Derrick Henry Lehmer

Gottfried Leibniz

Max Newman

George Stibitz

John von Neumann

Thomas Watson, Sr.

Maurice Wilkes

F.C. Williams
John Vincent Atanasoff
Clifford Berry
George Boole
Vannevar Bush
J. Presper Eckert
Jay Forrester
I.J. Good
Grace Hopper

Thomas Kilburn
Derrick Norman Lehmer
John Mauchly
William Shockley
Alan Turing
Thomas Watson, Jr.
Norbert Wiener
J.H. Wilkinson
Konrad Zuse

BIOGRAPHIES IN: Slater, Robert, *Portraits in Silicon*, MIT Press, Cambridge, Mass., 1987.

Charles Babbage	Seymour Cray	Jack Kilby
John von Neumann	Grace Murray Hopper	Gene Amdahl
Konrad Zuse	John Kemeny	Gordon Bell
Alan Turing	Gary Kindall	John Backus
Claude Shannon	Dennis Ritchie	Thomas Kurtz
John V. Atanasoff	Daniel Bricklin	William Gates
John V. Mauchly	Steven Jobs	Kenneth L. Thompson
Howard Aiken	William Millard	Nolan Bushnell
Thomasi. Watson, Sr.	J. Presper Eckert	Adam Osborne
H. Ross Perot	Jay W. Forrester	Donald Knuth
Robert Noyce	William Norris	
Marcian E. (Ted) Hoff	William Shockley	

BIOGRAPHIES IN: Williams, Michael R., *A History of Computing Technology*, Prentice-Hall, Englewood Cliffs, N.J., 1985.

While not a collection of biographies, this book presents descriptions of the inventions and creations of:

Howard Aiken	Percy Ludgate
Charles Babbage	John Napier
René Grillet	Wilhelm Schickard

Konrad Zuse

John Vincent Atanasoff

Clifford Berry

Gottfried Wilhelm Leibnitz

Samuel Morland

Blaise Pascal

Alan M. Turing

CHARLES BABBAGE INSTITUTE, ORAL HISTORY COLLECTION, AS OF JUNE 30, 1992

The following list shows the Charles Babbage Institute Oral History Collection Number and the name of the Interviewee – This collection represents one of the largest such sets of oral interviews and continues to grow. Interested individuals are encouraged to consult the CBI website for information about these interviews (date, interviewer, etc) and to see the full set available.

211	Adrion, W.R.	092	Butler, William W.	046	Drake, Willis
176	Amarel, Saul	067	Campbell, Robert	088	Dumey, Arnold
107	Amdahl, Gene M.	048	Cantrell, Harry	118	Duncan, Hugh
119	Anderson, Walter L.	191	Cerf, Vinton	153	Dunwell, Steven
059	Armer, Paul Et Al	007	Chambers, Carl	193	Eckert, J. Presper
001	Armer, Paul	223	Cherniavsky, John	013	Eckert, J. Presper
002	Auerbach, Isaac	195	Clark, Wesley	165	Fano, Robert M.
120	Babcock, Dean	Oil	Cleaver Et Al.	014	Feigenbaum, E.
182	Baran Paul	113	Clover, H. Dick	157	Feigenbaum, E.
213	Barnes, Bruce	058	Cohen, Arnold	015	Fein, Louis
128	Bauer, Friedrich L.	138	Cohen, Arnold A.	080	Flowers, T.H.
055	Bauer, Walter	079	Coombs, Aw.M.	148	Forrest, Henrys.
061	Bauer, Walter	162	Corbato, F. J.	016	Forrester Jay
047	Bemer, Robert	209	Corbato, F.J.	017	Forsythe, Alexandra
003	Bigelow Julian	134	Critchfield, C.	049	Fox, Margaret
004	Birkenstock J.	233	Crocker, Stephen	188	Frank, Howard
137	Birkhoff, Garrett	184	Crowther, -William	236	Galler, Bernard A.
141	Bitzer, Donald	180	Csuri, Charles A.	222	Gallie, Thomas
166	Blaauw, Gerritt	145	Curtis, Kent	238	Geckel,Jerome
066	Bloch, Richard	235	Daniel, Willis	207	Goldberg,Robert
173	Blue, Allan	008	Davies, D.	018	Goldstine, Herman
005	Booth, Andrew	189	Davies, D.W.	019	Goldstine, Herman
006	Bowker, Albert	177	Dennis, Jack B.	020	Golub, Gene
230	Buchanan, Bruce	164	Dertouzos, Michael	105	Golub, Gene
078	Burks, Arthur W.	144	Dick, George W.	216	Grad, Arthur
075	Burks, Arthur W.	167	Dijkstra, Edsger	201	Griswold, R & M
136	Burks, Arthur W.	009	Dirks, Gerhard	056	Hammer, Carl
098	Burroughs B 5000	010	Dirks, Gerhard	064	Hawkins, Robert

186	Heart, Frank	156	Mccarthy John	231	Reddy, Raj
221	Hedges, Harry	068	Mccormack, James	072	Rench, Carl
226	Heilmeier, George	045	Mcdonald, Robert	159	Roberts, L.G.
iii	Herr, Robert	057	Mcdonald, Robert	147	Robinson, H.W.
021	Herriot John	185	Mckenzie, A.	210	Rose, Milton
208	Herzfeld, Charles	028	Merzbach, Uta	065	Ross, Douglas
140	Herzstark, Curt	135	Metropolis, N.C.	178	Ross, Douglas T.
101	Hill, John Lindsay	029	Miller, William	100	Rubens, Sidney M.
050	Holberton, Frances	179	Minsky, Marvin L.	163	Ruina, Jack P.
168	Hollands Signaal	203	Mitchell, William	169	Scholten, C.G.H.
081	Hopper, Grace	234	Molnar, Andrew	161	Schwartz, Jules 1.
022	Hughes, Thomas	224	Morgan, Granger	124	Schwarzschild, M.
023	Humphreys, Arthur	110	Mullaney, Frank C.	033	Serrell, Robert
082	Hurd, Cuthbert	073	Mumma, Robert	187	Simpson, Robert L.
076	Hurd, Cuthbert	227	Newell, Allen	086	Slutz, R.
083	Huskey, Harry D.	084	Newman, M.H.A.	034	Smith, R. Blair
215	Ineante, Ettore F.	155	Nilsson, Nils	090	Stein, Marvin L.
158	Kahn, Robert	116	Norris, William C.	131	Strassmann, P.A.
192	Kahn, Robert	133	O'rouke, Thomas J.	171	Sutherland, Ivan
217	Keenan, Thomas A.	175	Ohlander, R. B.	121	Svensden, Edward C.
024	Kilburn, Tom	097	Oliver, Bernard M.	035	Svoboda, Antonin
074	Kilby, Jack St. C.	106	Oliver, Bernard M.	225	Tareski, Val
190	Kleinrock, Leonard	183	Ornstein, Severo	154	Taylor, Robert
219	Lehmann, John	095	Packard, David	143	Tenczar, Paul
150	Lickliger, J.C.R.	095	Packard, David	220	Thaler, Alvin
025	Lloyd, Richard	099	Parker,John	239	Thompson, Ken, Et Al.
232	Lukasik, Stephen	093	Pendergrass, James	125	Thompson, Philip
214	Lykos, Peter	052	Pessin, Florence	062	Thornton, James
069	Maguire, Timothy H.	194	Pinkerton,John	146	Thornton, James
051	Marden, Ethel	149	Pinkerton,John	053	Tomash, Erwin
115	Masterson, Earl E.	031	Pomerene,James	060	Tomash, Erwin
044	Mauchly John	085	Porter, Arthur	204	Townsend, Gregg
026	Mauchly John	142	Propst, Frank	070	Traub, Joseph F.
027	Maxwell, A.T.	032	Rankine, John	089	Traub, Joseph F.

094	Traub, Joseph F.	117	Walsh, Joseph	040	Williams, F.C.
036	Travis, Irvn	202	Wampler, Steven	206	Wills, Cheyenne
129	Tucker, Albert	037	Ware, Willis	237	Winograd, Terry
087	Ulam, Stanislaw	038	Warren, S. Reid	196	Winston, Patrick H.
174	Uncapher, Keith	109	Watson / Birkenstock	127	Zemanek, Heinz
200	Univac Conference	212	Weingarten, F	152	Zemlin, Richard A.
063	Verzuh, Frank	112	Westbee, Robert L.	170	Zonneveld
054	Vincent, Richard	199	Westervelt, Frank	198	Zracket, Charles A.
104	Wakelin, James H.	132	Wheeler, David J.	041	Zuse, Konrad
181	Walden, David	130	Wigner, Eugene		
205	Walker, Kenneth	039	Wilkinson, Jim		

PROFESSIONAL SOCIETY AWARDS

The various professional societies give awards to outstanding individuals. The following lists indicate the major awards administered by each society—consult the society award websites for the current list of recipients (usually with a biography available).

ASSOCIATION FOR COMPUTING MACHINERY (ACM)

Distinguished Service Award

A.M. Turing Award

Outstanding Contribution Award

Grace Murray Hopper Award

Eckert-Mauchly Award (Jointly awarded by the Association for Computing Machinery and the IEEE Computer Society).

The ACM keeps a list of Fellows

IEEE COMPUTER SOCIETY

Computer Pioneer Award

The IEEE keeps a list of Fellows

There are also a large number of other awards that can be found on their website.

AMERICAN ASSOCIATION FOR ARTIFICIAL INTELLIGENCE

The AAAI keeps a list of Fellows.

AMERICAN FEDERATION OF INFORMATION PROCESSING SOCIETIES (AFIPS)

Harry Goode Memorial Award (AIFPS was dissolved 1991, award now administered by IEEE Computer Society.)

COMPUTING RESEARCH ASSOCIATION

Distinguished Service Award

INAMORI FOUNDATION

Kyoto Prize (Kyoto Prizes are given each year in three categories; - several recipients are computer pioneers)