

CONTROL DATA PRIVATE

A CHRONOLOGY OF KEY EVENTS

- 1957 On July 8, Control Data {CDC} is incorporated in Minnesota... On September 1, CDC starts operations with 4 employees... Initial capitalization of the corporation is through the sale of 615,000 shares of common stock at \$1 per share to approximately 300 stockholders... First corporate officers: W.C. Norris, President, and A.J. Ryden, Vice President/Treasurer... First directors: F.C. Fletcher, F.C. Mullaney, W.K. Drake... CDC's first major business decision is to develop a large-scale computer {1604}. The second major decision is the acquisition of CEDAR ENGINEERING, for \$428,000 in cash and stocks. The purpose of the acquisition is to obtain technology in engineering manufacturing applicable to the peripheral equipment. At the time of acquisition CEDAR ENGINEERING has 175 employees and \$1,928,000 in annual sales... R&D work on CDC computers begins.
- 1958 In April, CDC announces its first major computer system, the fully transistorized CDC 1604. The designer is Seymour Cray... On June 27, the first order for a CDC 1604 is received from the U.S. Navy Bureau of Ships... On June 30, CDC has 260 employees; the total number of stockholders is 900; the order backlog is \$2 million... Sperry Rand files lawsuit against CDC... 350,000 shares of preferred stock are sold.
- 1959 CDC places its major efforts on computer research and development... In December, CDC's second computer, the Model 160, is announced. The 160 is a desk-size solid state computer for scientific applications. The designer is Seymour Cray... 99,594 shares of common stock are sold at \$12; 10,000 shares are sold at \$18... CDC sales for 1959 are \$4,588,174; earnings are \$283,214; the order backlog on August 25 is \$8 million.
- 1960 CONTROL CORPORATION is acquired for cash and stock valued at \$2,274,814. The company is a major supplier of supervisory control systems... First delivery of a 1604 to the U.S. Naval Post-Graduate School, Monterey, California; three more 1604's are shipped during this year... First delivery of a 160, in May; its price: \$60,000... S.R. Cray and J.E. Thornton start development of the CDC 6600 large-scale computer... On June 30, CDC has 690 employees compared to 380 a year earlier... The first CDC data center is established in Minneapolis with a CDC 1604.

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- 1961 In April, the CDC 160A is announced. The system has twice the capacity of the 160. The first 160A is delivered in July; its price is \$90,000...300,000 shares of common stock are sold at \$33, and 50,000 shares at \$39...After Minneapolis, CDC establishes its second large-scale data center in Palo Alto, California with 1604 and 160A computers...A new CDC Headquarters building providing 103,000 square feet of space is being constructed at 8100 - 34th Avenue South, Bloomington, Minnesota...CDC's common stock splits 3 for 1.
- 1962 Two new computer systems, the CDC 1604A and the CDC 3400 are announced...In January, the Sperry Rand-CDC lawsuit, filed in 1958, is settled out-of-court...CDC's new headquarters building is completed and occupied...The number of CDC employees on June 30 is 2,273...Expenditures for plant and equipment during the year amount to \$13,756,000...The 605 Magnetic Tape Drive is announced...The first CDC operations outside the U.S. are established in Melbourne, Australia and Toronto, Canada...\$15 million of 4-1/4% of subordinated debentures are sold.
- 1963 CDC enters the European market. Wholly owned subsidiaries are established in Australia, The Netherlands, Sweden, Switzerland, West Germany, and France...In July, the CDC 6600 computer is announced. Shortly after the announcement, Lawrence Radiation Laboratory, Livermore, California, orders the first 6600...In March, CDC acquires the Computer Division of the Bendix Corporation and its two main products -- the G-15 and the G-20 computers...Two major peripherals are announced: the CDC 603 Magnetic Tape Transport, and the CDC 405 Card Reader...As of June 30, over 700 CDC computer systems are installed.
- 1964 The first CDC 6600 computer is shipped to Lawrence Radiation Laboratory, Livermore, California...Six acquisitions are made including Rabinow Engineering {optical character recognition equipment}, Transactor Business of the Stromberg Division of General Time {data collection systems}, and Holley Computer Products {computer peripheral products}. The purpose of the acquisitions is to establish a broader base for peripheral and computer-related products...The CDC 3400 computer system is announced...The number of CDC employees exceeds 6,000...CDC's common stock splits 3 for 2.

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- 1965 A CDC 6600 computer, Serial Number 3, is installed at CERN, Switzerland...A CDC 6600 computer, Serial Number 5, is installed at the U.S. Department of Commerce (Weather Bureau)...First delivery of a CDC 3100 computer is made to the University of Montreal, Canada...The CDC 1700 computer is announced. The system is designed for data acquisitions, control, scientific processing...Announcement and first delivery of the CDC 3300 computer...Nine acquisitions are made during the year; the purpose is to broaden CDC's base in peripherals, scientific systems, software, and data services...\$25 million in preferred stock is sold...CDC opens its first Data Center outside the U.S. in Frankfurt, West Germany...The first Control Data Institutes are established for the purpose of providing training in computer technology...The first CDC 915 Page Reader is installed at the Crocker Citizens National Bank in San Francisco...The mass memory disk files 807/808 are announced; the files store 84 million and 168 million characters, respectively.
- 1966 Acquisition of SAMARUGHI data centers in Italy...First installation of a CDC 1700 computer at Bell Laboratories, Greensboro, N.C....First delivery of a CDC 3600 computer to the U.S. Navy Research Laboratory, Washington, D.C.... CDC operates in 20 countries...By June 30, 19 6000 series computers are installed at customer sites...NASA selects CDC 6000 series computers for the Langley Research Center... Dual CDC 3600s are used at Cape Kennedy in the Apollo moon flight program.
- 1967 The first Control Data Institute outside the U.S. is opened in Frankfurt, West Germany...Ten acquisitions are made, including Autocon Industries, and C-E-I-R Inc....CDC sells \$56 million in sinking fund debentures and 373,334 shares of common stock at \$90...The first CDC 6500 computer is delivered to CERN, Geneva, Switzerland...Installations of CDC's 915 Page Readers in industry and governments increase rapidly...The number of CDC employees exceeds 14,000.
- 1968 The world's most powerful computer, the CDC 7600, is announced...12 acquisitions are made during the year. Among the acquired companies is Commercial Credit Corporation (CCC), the largest and most significant acquisition in CDC's history. With the CCC acquisition, CDC enters the field of financial services. CCC is acquired for stock with a market value of \$745,573,740...Other acquisitions, such

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- 1968
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- as Data Media and Business Forms Division of Victor, represent CDC's entry into business forms and products... On December 11, CDC files a major antitrust suit against IBM, charging IBM with violation of Section 2 of the Sherman Antitrust Act and unfair marketing practices... CDC begins operation of its CYBERNET data services network with seven CDC 6600 computers and a number of medium-scale computers... 30 Data Centers operate in the U.S., Mexico, Canada, Europe, and Australia... NASA selects a CDC 6400 computer for simulating lunar flight and landing... CDC's FY 1968 revenues are \$387,445,137.
- 1969
- Six acquisitions are made to expand business products and education lines... CDC's social responsibility program is started by locating plants in disadvantaged communities in Eastern Kentucky, Washington, D.C., Minneapolis/St. Paul... Two 7600 computer systems are installed... Completion of two major software compilers BASIC, JOVIAL, and the KRONOS operating system... Introduction of the 9486 Disk, 9310 and 9300 printers, 9220 card reader, 9814 display terminal... In 1969, 19 Control Data Institutes are in operation.
- 1970
- A major agreement is signed with the Export-Import Bank of the U.S. to finance international business... Three computer training schools are acquired... The first CDC 6700 computer is delivered to the U.S. Navy at Dahlgren, Va... CDC enters the end-use peripheral market, including the production of IBM plug-compatible equipment... Hardware, software, and services are unbundled... Full implementation of CDC's total service concept through four major organizations: Computer Systems, Peripheral Equipment, Computer Services, and Financial Services... Installation of the first CDC 6600 computer in Japan... An agreement is signed with the Canadian government to establish a cooperative program. The total investment in this venture will be \$56 million... Major software developments are KRONOS 1.0, MASTER 3.0, MARS II, BROKERAGE CONTROL SYSTEM... CDC establishes a Corporate Office to share top management responsibilities; the members are W. C. Norris, W. R. Keye, R. D. Schmidt, H. H. Hammer. Four computer operating areas are established, each headed by a Vice President and Group Executive: EDP Products, T. G. Kamp; EDP Systems, R. C. Hall; Marketing, P. G. Miller; Services, R. M. Price... Five major CDC data centers operate in Europe.

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- 1971 The CDC CYBER 70 computer series is announced; two systems are ordered by the Union Bank of Switzerland...CDC is firmly established in four major services areas: Data Services, Education, Engineering, Professional Services... CDC's line of terminals increases. Rapid acceptance of lottery, off-track betting, and ticket issuing terminals... The 921 Optical Character Reader, using laser technology, is introduced...Revenues from CDC's computer business for FY 1971 exceed \$571 million.
- 1972 On May 1, CDC enters into a joint venture agreement with National Cash Register Company (NCR). As a result, a new company, Computer Peripherals, Inc. (CPI), is formed to manufacture computer peripheral equipment, and joint development of common computer product lines is started... CDC establishes a Committee for Corporate Social Responsibility to promote social justice...CDC acquires 3 companies to increase its service capabilities. Among the acquisitions is Syntonic Technology, Inc.
- 1973 On January 12, the CDC-IBM antitrust suit is settled; as a result, CDC acquires the Service Bureau Corporation (SBC) from IBM, and IBM pays all legal costs, and in addition, pays for R&D projects...W.C. Norris signs an agreement with the government of Romania to establish a jointly-owned company, ROM Control Data, to manufacture and distribute peripheral products...CDC's revenues for 1973 from the computer business total \$948.2 million... Acquisition of three data services operations from IT&T in Brazil, England and the U.S....CDC enters the end-user peripheral and CYBERNET markets in Europe...A major top management reorganization results in the formation of a Management Committee consisting of four senior line operating presidents and three senior staff officers. The operating companies and their presidents are CDC Systems and Services Company, R. M. Price; CDC Marketing Company, P. G. Miller; CDC Peripheral Products Company, T. G. Kamp; Commercial Credit Company, J. M. Sheehan...In 1973 the Executive Committee consists of W. C. Norris, Chairman of the Board and Chief Executive Officer; W. R. Keye, R. D. Schmidt, D. S. Jones...The CDC minicomputer System 17 is announced...CDC has 44 computer systems installed in socialist countries...Revenues from European operations reach \$200 million.

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- 1974 CDC's newest computers, the CYBER 170 series, is announced in Toronto, Canada. The system's primary use will be in network computer services...Barclays Bank Ltd. in the U.K. orders three CDC CYBER 1000 communications systems... The total number of employees at CDC and its subsidiaries exceeds 44,000...CYBERLOAN, a credit network service developed for Commercial Credit Company, goes on-line... CDC is a billion-dollar multinational corporation with operations in 31 countries.
- 1975 CDC 38500 Mass Storage System is announced...Deliveries of CYBER 170 computer systems begin...Several new data services introduced for data base management and management sciences applications...Magnetic Peripherals, Inc. formed with Honeywell Inc. to manufacture disk products... International Computers Ltd., United Kingdom, joins Computer Peripherals, Inc....Joint venture organized with Iran to manufacture advanced computer terminals...Revenues reach \$1.25 billion.

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SYSTEM	ANNOUNCED
3100	1/65
3170	8/70
3200	5/64
3300	12/65
3500	9/67
3400	11/64
3600	6/63
3800	2/66
4200	7/70
6400	12/64
6500	10/66
6600	7/63
6700	7/69
7600	12/68
CY71	4/76
72	3/71
73	3/71
74	3/71
76	3/71
CY172	4/74
173	4/74
174	4/74
175	4/74

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