

CDC SPINOFFS/CDC TECHNOLOGY

1. Astrocom (control systems)
2. The Analyst
3. Compton Electronics
4. Computer Systems
5. Computer Communications, Inc.
6. Cray Research
7. Data 100
8. Data Action
9. Data Central*
10. Data Pathing
11. Datagraph
12. Digital System
13. ETA Systems
14. Flame Industries
15. Intech, Inc.
16. Materials Processing, Inc.
17. Multiaccess
18. Midwest Data System
19. Network Systems
20. Northern Telecom Systems*
21. Premier Computer Corp.
22. VTC
23. Xylogics
24. Techanalysis
25. Zycad
26. Zytex (power supplies)
27. Edge Computer
28. Cybernetics
29. Gateway Communication
30. Star Technologies

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CDC spin-off companies

Network systems

Cypress Semiconductor Minnesota

Seagate Technology

TRO Learning

Zycad. (Silicon Solutions)

Zytec

Data 100

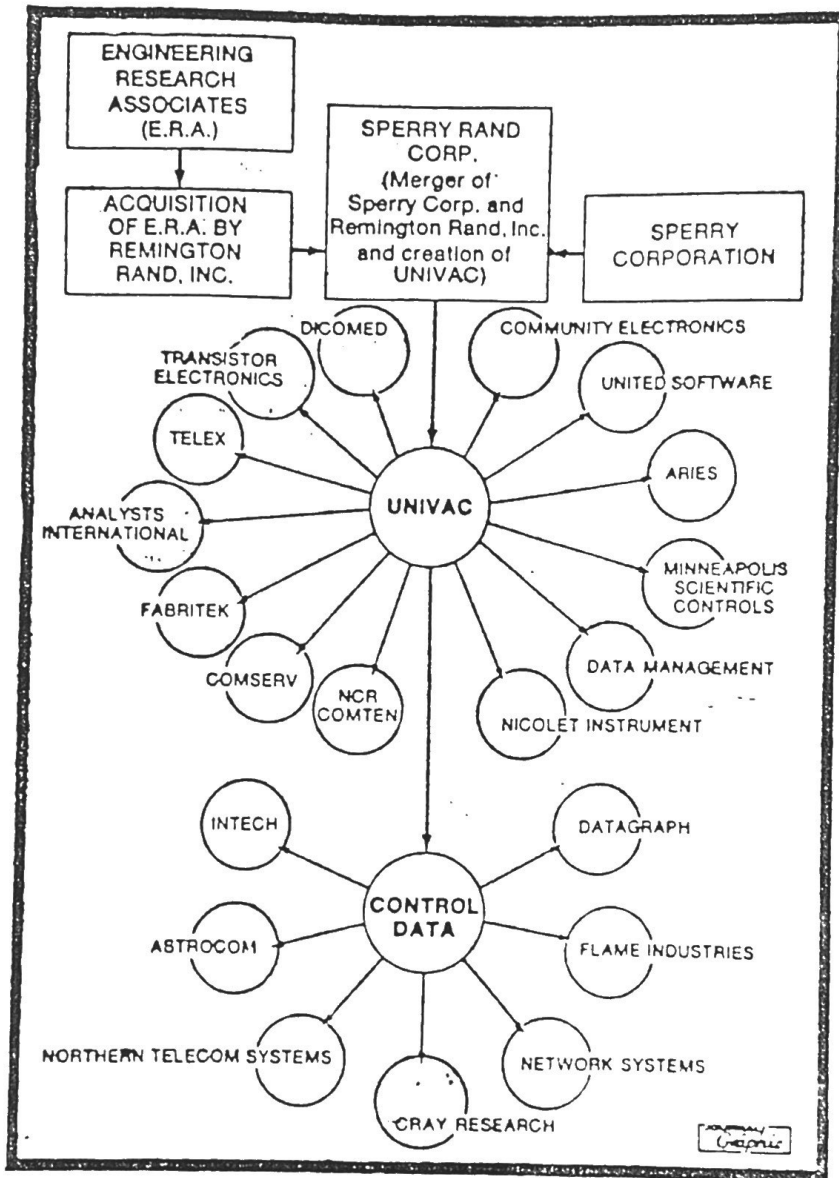
UTC

Control Data Systems

Ceridian

Cray Computer Corp

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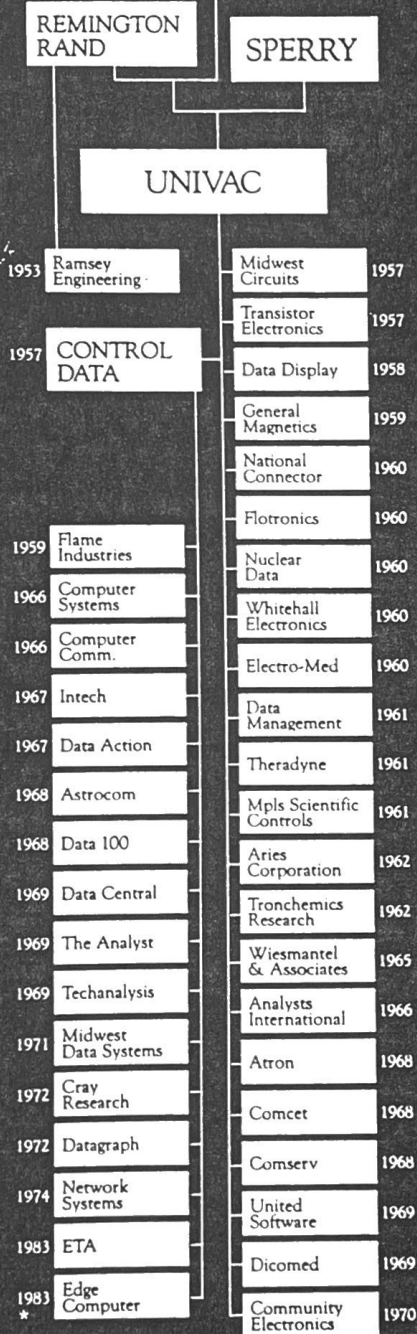


WHEELS OF FORTUNES — The small job center started a generation ago by Engineering Research Associates in St. Paul led to Univac and Control Data. Both of these firms, in turn, generated a flurry of spinoff ventures in Minnesota and other states, in one of the classic examples of the way business innovation has produced jobs. Details in this graphic were based on a study done by the Stanford Research Institute, updated by the Citizens League and by Journal interviews

MILWAUKEE JOURNAL
 October 7, 1980

* Does not include most recent spin-off companies

ERA



A Legacy of Technology

Minnesota's supercomputer industry beginnings can be traced back to the days of Engineering Research Association (ERA). Forty-three companies have been created since then and two companies; Cray Research and ETA Systems, have gone on to develop supercomputers that are being used for thousands of applications in many different industries and are available at the Minnesota Supercomputer Center for applied research and development.

**Twenty-three Minnesota companies in the computer industry have been formed since 1983. All of those companies are spin-offs of Control Data Corporation either through the assistance of Control Data or formed by former employees.*

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Information courtesy of the Charles Babbage Institute