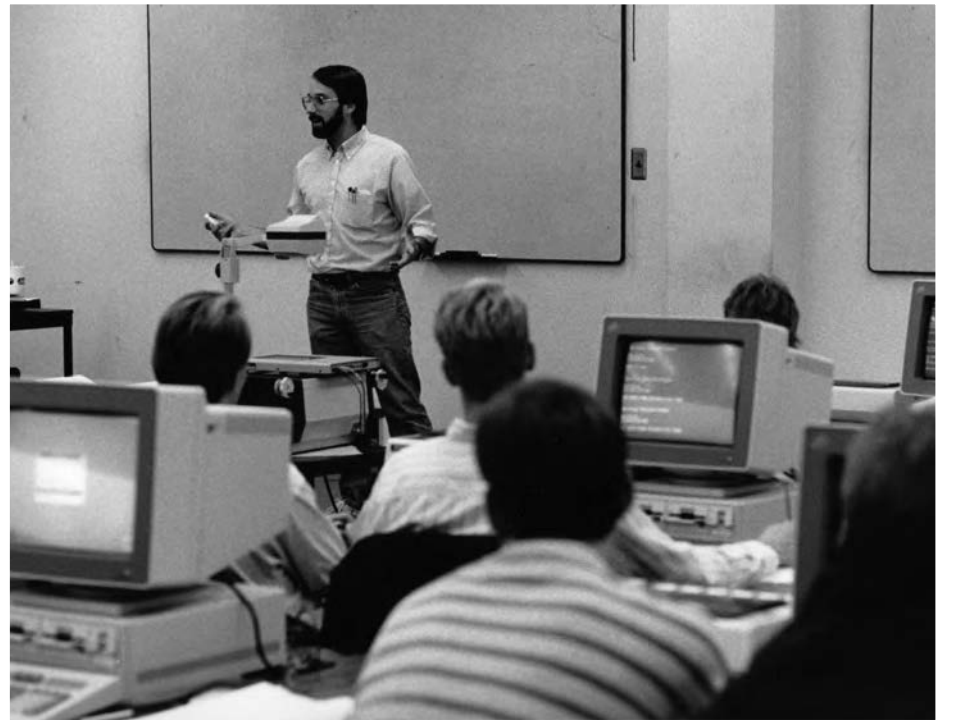


1988



Macintosh II computers arrive in GG Brown Connector lab



Freshmen engineering teaching lab



Apollo workstation



CAEN student Macintosh programmers

February 1988 – Telnet becomes available on Macintosh computers

April 1988 – CAEN staff develop 4-CAEN automated voice response system (a.k.a. DecTalk)

June 1988 – North Campus Apollo ring of 400 workstations splits into two rings

July 1988 – CAEN's very own Big Brother program monitors the network

August 1988 – Support ends for Apple Lisas; Apollo DN330 computers in Dow Mezzanine lab upgraded to 3 MB of RAM and Apollo 3000 & 4000 workstations upgraded to 8 MB of RAM and 170 MB Hard Disks

September 1988 – Viruses attack CAEN Macintosh labs, and CAEN programmers develop Dr. Mac to come to the rescue

1989



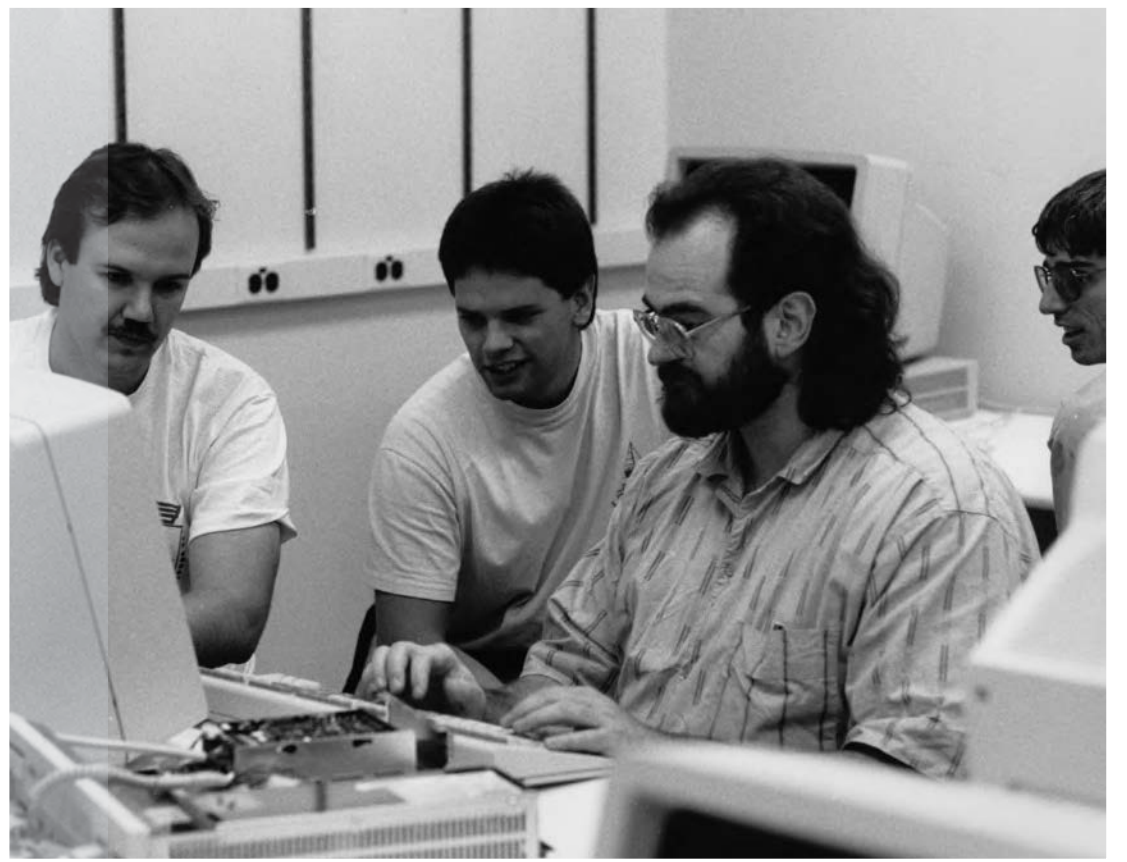
CAEN User Services Group
(from left): Ann Gordon,
Ben Vonk, David Dissar,
Harumi Kuno, and students



Randall Frank and
Bill Joy from Sun



Lab Macintosh
displays CAEN
network map



John Muckler (left) and
Paul Killey (2nd from
right) set up first CAEN
UNIX lab

January 1989 – IBM PS/2 model 70s arrive in the CAEN labs

February 1989 – Advanced Visualization Facility opens up in 145 Chrysler

April 1989 – 4327 EECS becomes first CAEN Lab to implement 24 hour card key access

July 1989 – CAEN User Services group designs new university-wide student photo identification card

September 1989 – CAEN programmers develop Launchbreak (predecessor of KeyServer) to check out software licenses on the network

October 1989 – Sun CEO and U-M graduate Bill Joy visits CAEN during EDUCOM

November 1989 – First CAEN UNIX lab featuring DEC 3100 Ultrix workstations is set up at 2341 EECS

1990



Engineering student utilizing Sun SPARCstation in 4440 EECS lab



Pierpont Commons Lab



EECS 2340 lab



"Viz" Lab

August 1990 – CAEN staff develop *caenhelp*, the first online CAEN request information system

September 1990 – 24 hour access expands to all eighteen CAEN labs

September 1990 – First joint CAEN-ITD lab opens up in North Campus Pierpont Commons with ten IBM RS/6000 workstations and 90 Macintosh IIfx computers

November 1990 – AFS (from Carnegie Mellon University's Andrew File System) becomes available on CAEN UNIX platforms

November 1990 – CAEN installs Sun SPARCstation 1+ workstations in labs

1991



IBM PS/2



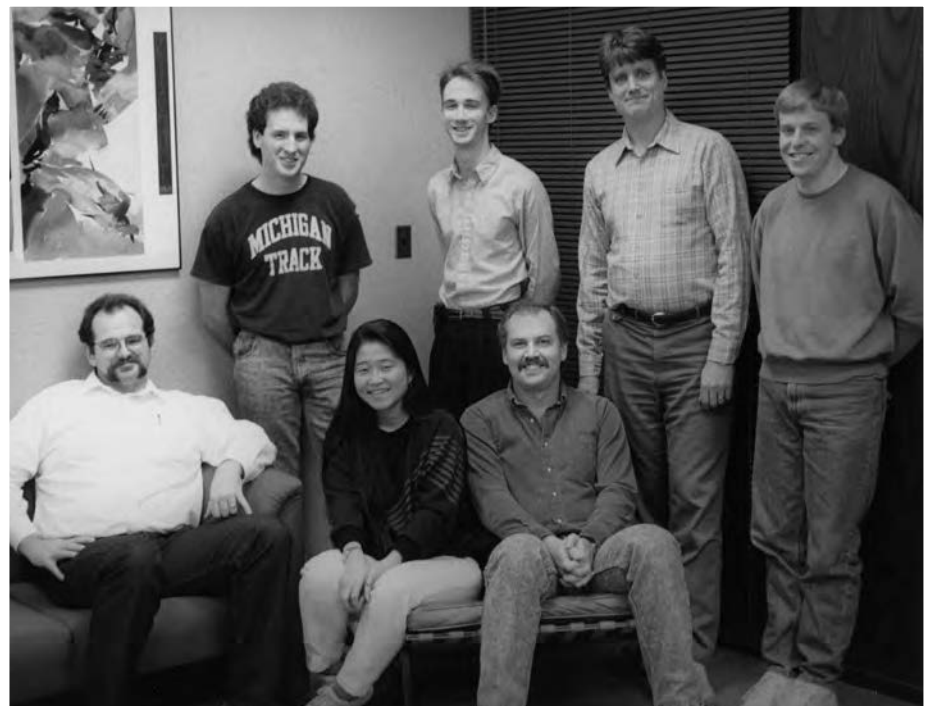
CAEN counselor in action



Dan Maletta
joins CAEN
student staff



CAEN lab in EECS



Systems Group (from left)
Paul Killey, Mike McLearn,
Harumi Kuno, Michael
Pelletier, Paul Howell,
Lewis Kellum, and Steve
Mattson

June 1991 – CAEN upgrades the “backbone” network from Proteon Pronet-80 to FDDI (Fiber Distributed Data Interface) to transfer data at 100 MBits per second

August 1991 – IBM PS/2 model 35 computers operate with Windows 3.1.1

August 1991 – Macintosh System 7 OS arrives

September 1991 – CAEN Systems Group deploys new X Window System “look and feel” for all CAEN UNIX workstations

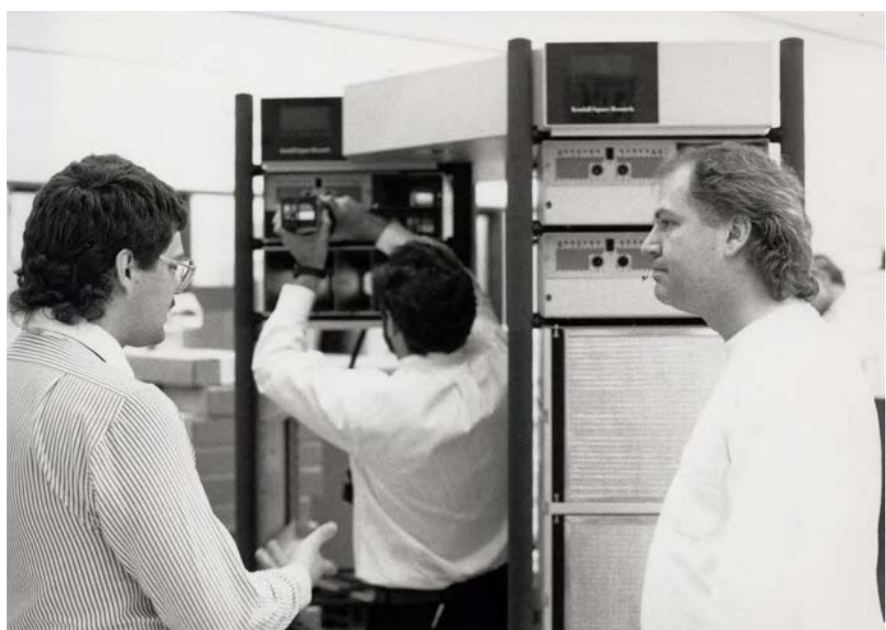
1992



Lee Liming
conducting freshmen
orientation in GG
Brown Connector Lab



CAEN lab scene



Paul Howell (right)
speaks with KSR
technician



CAEN staff gather for picnic;
(from left) Jim Rennell, John
Muckler, Linda Grischy, Judy
Sharkey, Paul Killey, Kip
Cranford, Mark Giuffrida

January 1991 – IBM PS/2 Model 70 token ring switches over to Novell NetWare

September 1992 – CAEN begins phase out of all Apollo computers in favor of UNIX workstations; CAEN network storage space expands to 250 GB

September 1992 – KSR massively parallel computer with 32 nodes, 1GB main memory, and performance of over 1 gigaflop becomes available