A Brief History of CS @ WPI

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michaelg@wpi.edu
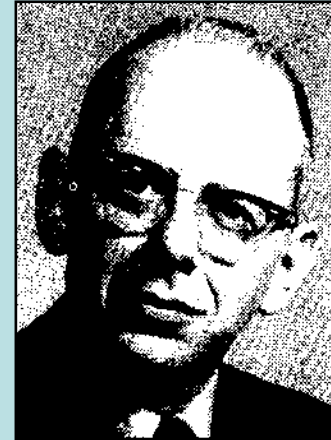
Department of Computer Science
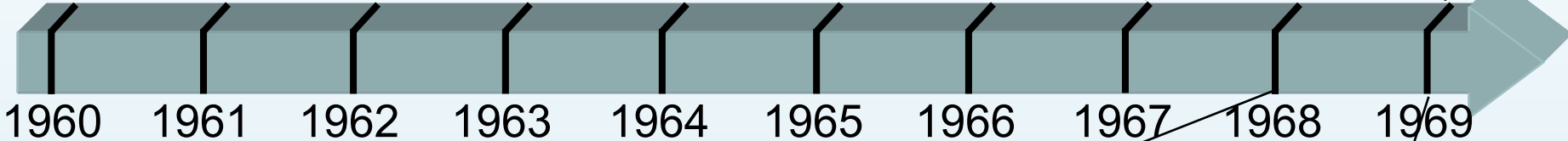
1960s

WACCC opens in Gordon Library w/ IBM 360/40
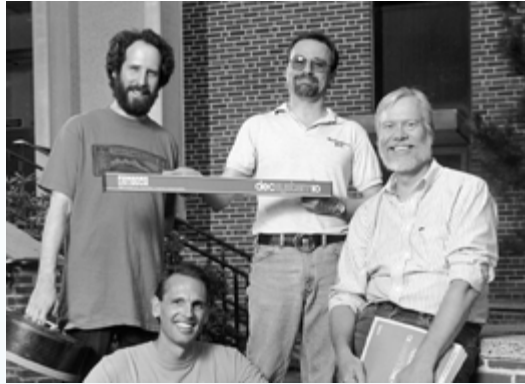

Ray Scott moves from MA to CS

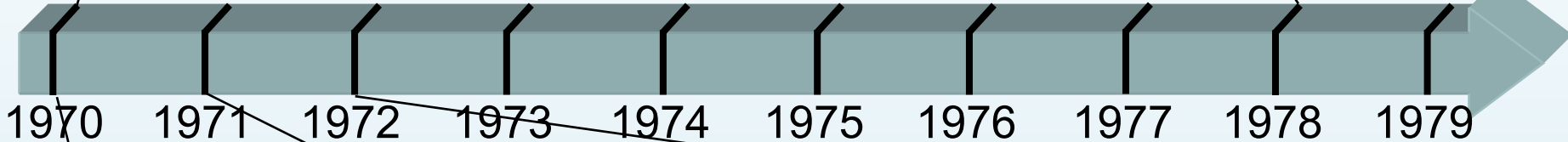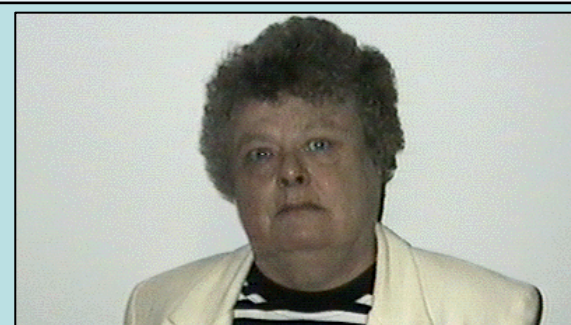| 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |

Norman Sondak WACCC Director, 1st CS Prof

MS in CS offered

1970s

Bob Kinicki

WPI=Worcester Polytechnic Institute, site of a very active community of PDP-10 hackers during the 1970s—*The Jargon File*

1970   1971   1972   1973   1974   1975   1976   1977   1978   1979

BS in CS offered

Stephen Alpert joins CS

Mary Hardell

WPI in the Jargon File

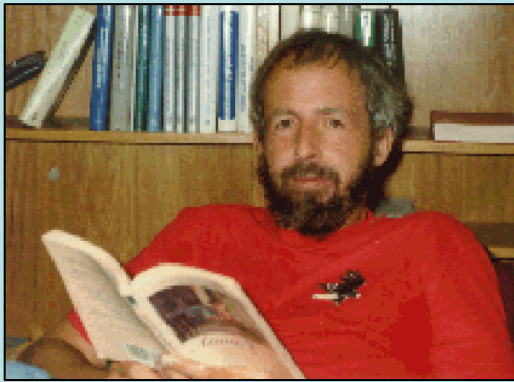|	
Bogus	Kluge
Cuspy	Rave
Fine	Rude
Flame	Saga
Gweep	Wall

Early 1980s

VAXen 11/750s
Larry, Moe, Curly

PhD in CS
Offered

Stan Selkow

Lee Becker

1980   1981   1982   1983   1984

CS moves
to AK
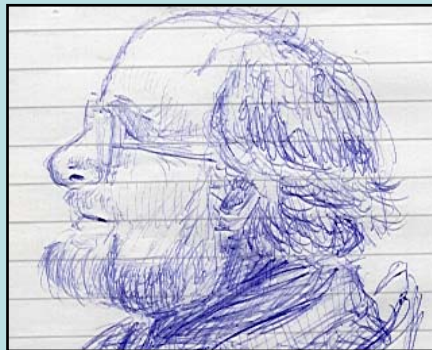
Dave Brown
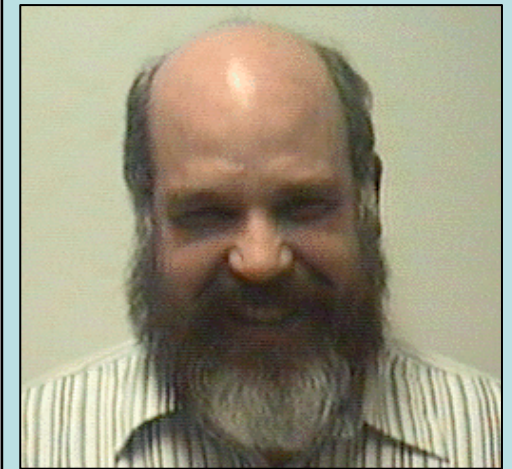
Karen Lemone

Late 1980s

Matt Ward
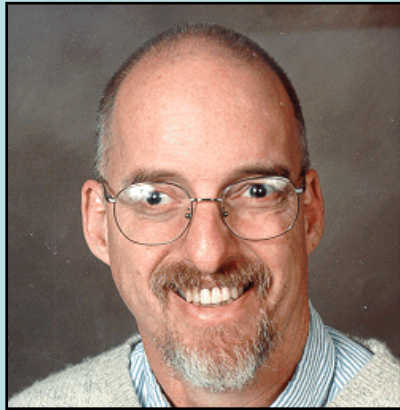
David Finkel

Mike Gennert

CS buys Encore Multimax

Ward wins 1st CS NSF RIA award

Fuller Labs construction begins

CS awards 1st PhD

CS has 165 UG majors

1985   1986   1987   1988   1989

WPI

Early 1990s

Craig Wills

Gennert, Hachem, Ward win $315,000 NSF grant for GAEA

CS & ECE start CCN program

1990   1991   1992   1993   1994

CS has 65 Grad students

CS moves into Fuller Labs

Glynis Hamel

CS has $171K in research grants

Fuller Labs

Late 1990s
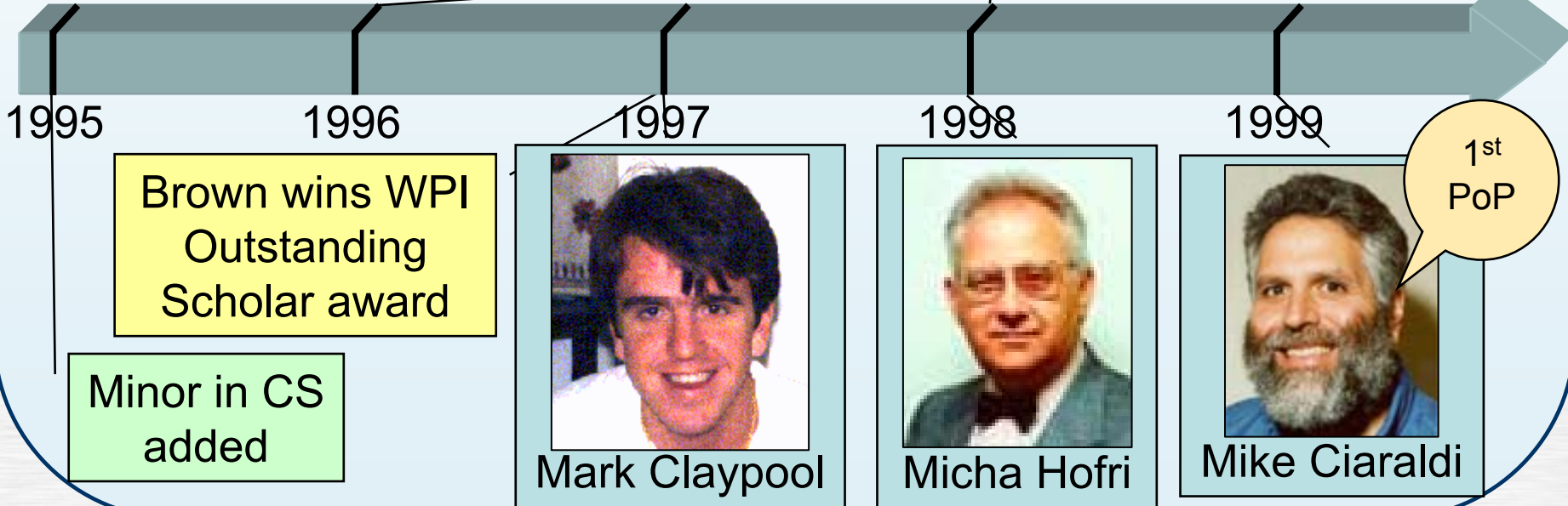
"Gang of 4": George Heineman, Carolina Ruiz, Elke Rundensteiner, Gabor Sarkozy

1995   1996   1997   1998   1999

Brown wins WPI Outstanding Scholar award

Minor in CS added

1st PoP

Mark Claypool

Micha Hofri

Mike Ciaraldi

WPI

Early 2000s

Kathi Fisler

210 CS Freshmen

608 CS Total UG

.com bubble bursts

210 Freshmen '01→
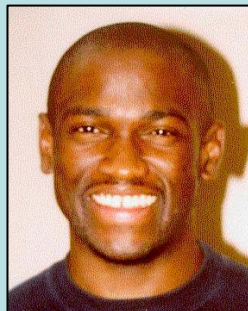
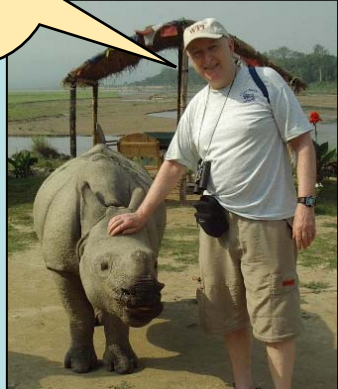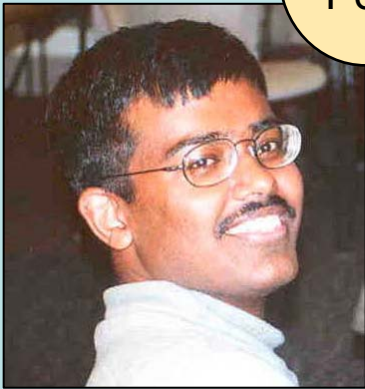136 Sophomores '02

2000

2001

2002

Fisler wins NSF CAREER Award

CS adds labs in Gordon Library Annex

Emmanuel Agu, Dan Dougherty, Neil Heffernan

WPI

Mid 2000s

2nd PoP

Murali Mani, Gary Pollice

Claypool wins 4th Best Paper

1st WPI GRAD day: CS has most posters

Heffernan wins NSF CAREER award

CS awards 6 PhDs

$600K GAANN grant

2003

Heffernan and Wills get patents

Gennert wins $787K NIH grant

2004

Wills co-chairs WWW Conf

Interactive Media & Game Development IMGD major launched!

Fisler wins Moruzzi award

2005

Rob Lindeman

2006

WPI

Today

$2M.8/yr in research funding

Heffernan, Heineman, Mani and CMU ("Dream Team") win $2M Dept of Ed award

300 UG majors 100 Grad students

3rd WPI GRAD day: CS has most posters

Robotics Engineering major launched: 1st UG RBE in US!

Lindeman wins Moruzzi award

21 TT Faculty 2 Profs of Practice 1 Instructor

2009

2007

2008

Chuck Rich

2nd WPI GRAD day: CS has most posters

Rundensteiner wins WPI Outstanding Scholar award

Joseph Beck   Joshua Guttman

Tomorrow

Other initiatives: Bioinformatics, Learning Sciences

More emphasis on Software Security

Research goal: $10M/yr in 10 yrs!

Add facilities for new programs

Add faculty for new programs

Active alumni involvement

Increasing national recognition

WPI

CS Research Groups

- Applied Logic and Security
- Artificial Intelligence
- Congestion Control
- Database Systems
- Human Interaction in Virtual Environments
- Image Science
- Intelligent Tutoring Systems
- Knowledge Discovery and Data Mining
- Mobile Graphics
- Performance Evaluation of Distributed Systems (Networks)
- Software Engineering
- Software Tools Technology
- Theory Umbrella
- Verification

CS MQP Project Centers

Other CS Project Sponsors
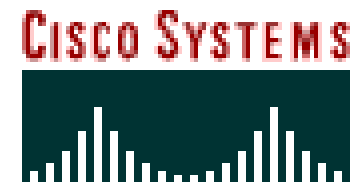
Elsewhere on Campus…

Campus Center

Gateway Park

East Hall

Increase student body:
- 2800→3400 UG
- 1000→1600 Grad

New programs:
- Environmental Eng
- New BA Degree
- Great Problems Seminars

Planned Athletic Center

How to Help

⊕ Visit WPI to talk to majors

⊕ Hire student interns

⊕ Sponsor projects

⊕ Sponsor / collaborate on research

⊕ Come back for (or finish!) grad work

⊕ Capital Campaign (even if only $10)

⊕ Join Advisory Board
   CS, IMGD, Robotics Engineering