



UC SANTA CRUZ
People Making a World of Difference



UC Santa Cruz – Defining the Future

Committee on Educational Policy
September 16, 2009

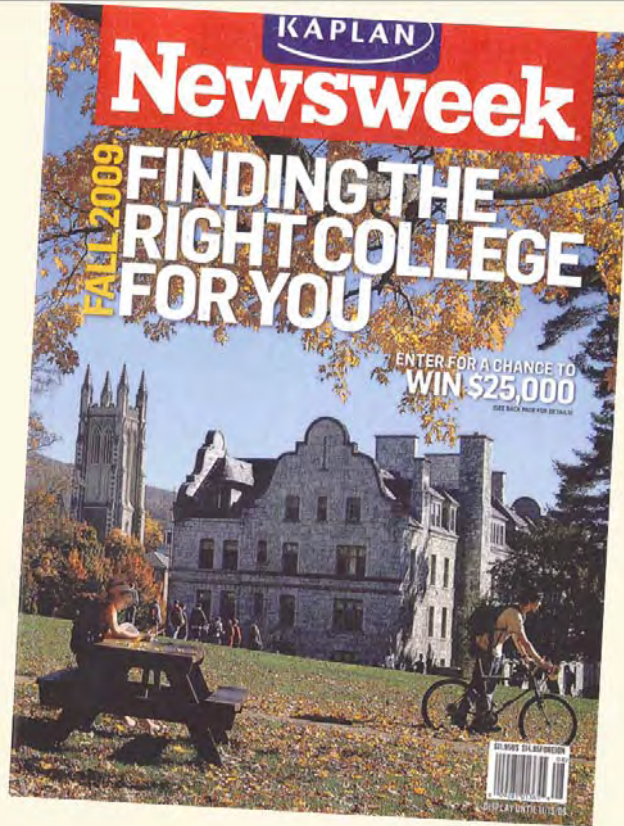


UC SANTA CRUZ
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Dynamic Research University







ENVIRONMENTALISTS WHO NEED TO GET THEIR HANDS DIRTY
WARREN WILSON COLLEGE, Asheville, N.C.

The school motto is "We're not for everyone... but then, maybe you're not everyone." That means every student works, in a way accustomed to "Students enroll in the college knowing that they will work 40 hours per week in campus jobs ranging from plumbing to landscaping to forestry," as well as at least 20 community-service hours a year, says spokesman Ben Anderson. The reason not entirely clear—maybe hitting three hours pitching mums—the Warren service produces first-class scholars ready for graduate school. Social conscience and environmentalism are strong among the 1,000 students, but they also learn how to handle themselves on a working farm.

OVERACHIEVERS WHO NEED TO STOP AND LOOK AROUND
UNIVERSITY OF CALIFORNIA, SANTA CRUZ, Santa Cruz, Calif.

Caitlin May, class of '09, had a hectic time at UC Santa Cruz, graduating in just three years with a major in politics while mixing in some architecture classes, holding down a part-time job, and spending a winter break in Peru as a volunteer at an orphanage. She also learned the therapeutic qualities of the campus's spectacular redwood-lined ravines. "I go out my way to cross them because I love the feeling of being up in the canopy of the trees," she says. Physics major Nina McCurdy, also '09, adopted a similar stress reliever: the Media Theater, and toward the Music Center to the top of the first incline where she could see the wide blue-green expanse of Monterey Bay, one of many such lookouts on the 2,000-acre mountain-side campus.

THE NEXT STEVE JOBS
STANFORD UNIVERSITY, Stanford, Calif.

Where will this century's Internet giants come from? Are we limiting ourselves by assuming the Web will even be part of the next big thing? The people working hardest to leap to the next paradigm are still hanging around the two main San Francisco Peninsula highways, 101 and 102. Since Stanford is the big university there, academically ambitious undergrads pour in. The faculty seems to be involved in a good local spinoff. Stanford alumni founded Nike, Hewlett-Packard, Sun Microsystems, Novell, Yahoo, Cisco Systems, Etilica Graphics, and Google itself. Jessica Richman, class of '06, is pursuing a master's degree in a tech field and has some social-entrepreneurship plans herself that are online-related. But, as she says, they are "in stealth mode, so I can't go into detail."





Santa Cruz Main Campus



Marine Sciences Campus



Silicon Valley Center
(planned)



Lick Observatory



Institution	Citation Impact
Harvard	12.46
California Institute of Technology	11.28
MIT	11.02
UC Santa Cruz	10.78
Johns Hopkins	10.57
Stanford	10.41
Yale	10.24
Washington University	10.18
University of Chicago	10.13
University of Washington	9.87
Princeton	9.80
Duke	9.45
UCLA	9.44
University of Pennsylvania	9.39
UC Berkeley	9.36
Brandeis	9.35

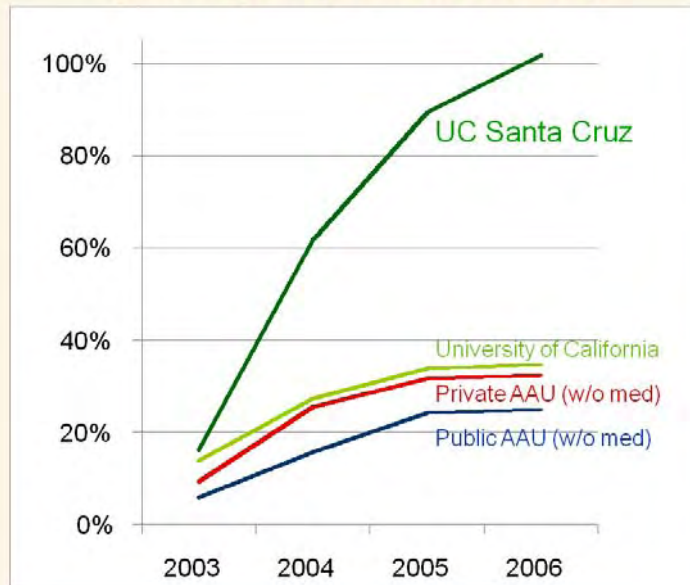
- 4th in overall impact, 1st among public universities

Federal R&D Expenditures (\$000)

Institution	Federal R&D/FTE
California Institute of Technology	\$767
MIT	\$396
Carnegie Mellon	\$224
University of Colorado—Boulder	\$200
UC Berkeley	\$178
Princeton	\$143
Pennsylvania State	\$141
University of Maryland—College Park	\$133
UC Santa Cruz	\$121
UC Santa Barbara	\$117
Brandeis	\$117
University of Texas—Austin	\$108
Rice	\$95
Rutgers	\$78
University of Nebraska—Lincoln	\$66
University of Oregon	\$65
University of Kansas	\$60
Indiana University—Bloomington	\$42
Syracuse	\$28

- 4th in overall impact, 1st among public universities
- 9th in federal research funding per faculty member

Federal R&D Expenditures (\$000)
(Percentage Change from 2002 Base Year)



- 4th in overall impact, 1st among public universities
- 9th in federal research funding per faculty member
- 4th biggest gainer in federal research dollars 2000-07



Nearly 6 in 10 undergraduates work with faculty on research.



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Undergraduate Research



UC SANTA CRUZ
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Unique Residential Colleges





Diverse, Successful Students



Diverse, Successful Students



Tim Krupnick

Visiting with a village chief in Senegal

Elizabeth Bastiaans

Studying an endangered lizard in Mexico





Irene Vasquez

- Double major – environmental studies, economics
- Plans to work for National Parks Service



Sequilla Lee

- Sociology major
- Plans to be a history teacher in her home town



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Breadth . Perspective . Proficiency

MCD biology - Ph.D.

Music composition - D.M.A.

Digital Arts and New Media - M.F.A.

Education - Ph.D. and Ed.D.

Electrical Engineering - M.S./Ph.D.

Film and Digital Media - Ph.D.

Social Documentation - M.A.

Music - Ph.D.

EE Biology - Ph.D.

Visual Studies - Ph.D.

Bioinformatics - M.S./Ph.D.

STRATEGIC ACADEMIC PLAN



February 2008

University of California, Santa Cruz

Office of the Campus Provost/Executive Vice Chancellor

Six Themes

- Advanced Technology
- Culture, Heritage and Identity
- Science and Policy of our Environment
- Human Health
- Creative Media and Communication
- Globalization



David Haussler
Director, Center for Biomolecular
Science and Engineering





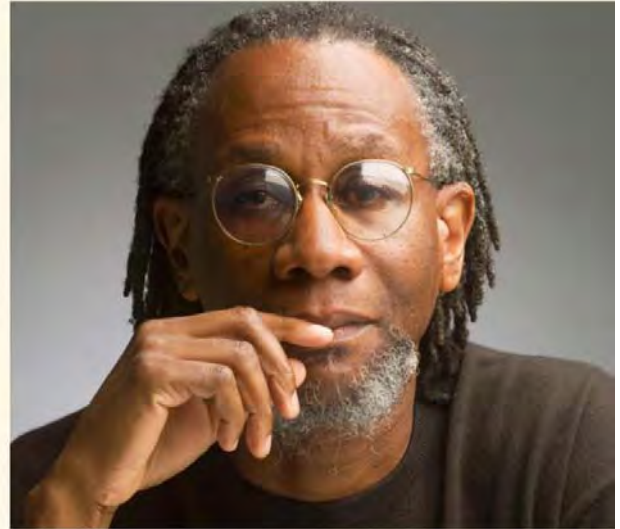
Michael Mateas

Computer Game Design . MacArthur Foundation Chair



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Investing in Remarkable Faculty



Nate Mackey

Poet . National Book Award Winner



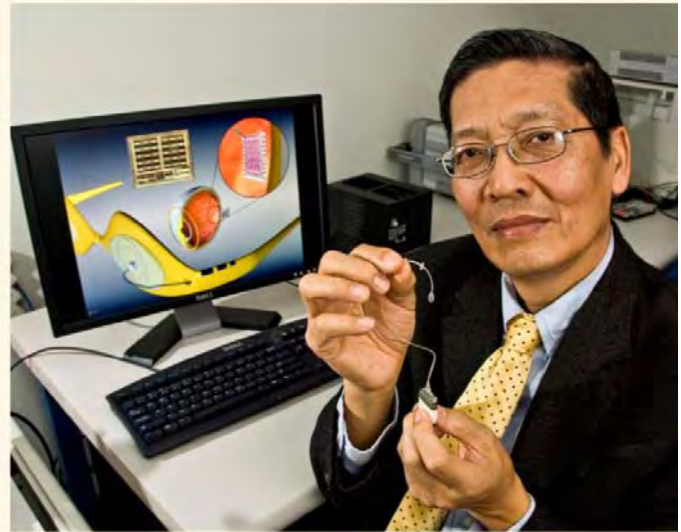
UC SANTA CRUZ
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Investing in Remarkable Faculty



Terrie Williams

Marine Biologist



Wentai Liu

Electrical Engineering . Artificial Retina Inventor



David Yager

Dean of the Arts



Art Ramirez

Dean of Jack Baskin School of Engineering



Carl Walsh

Economist



Enrico Ramirez-Ruiz
Astrophysicist

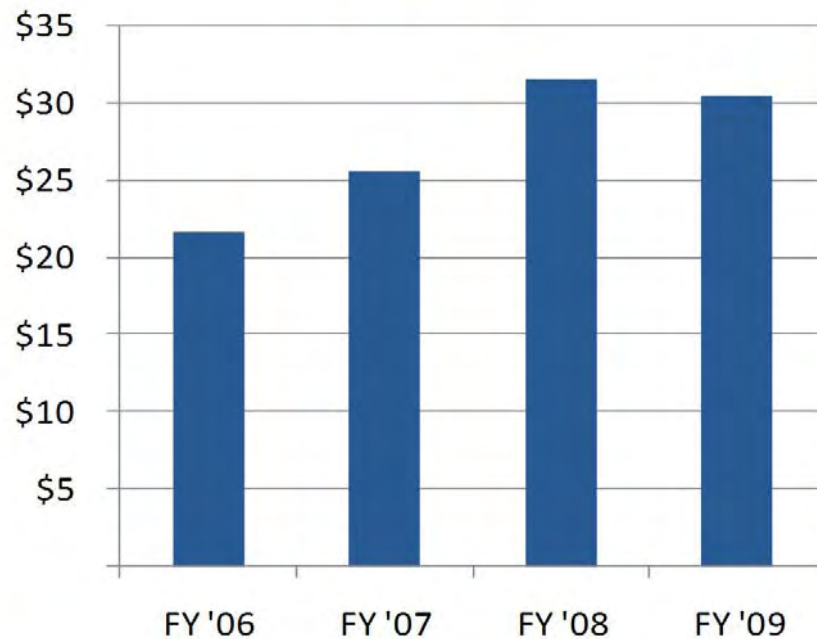


Nate Dominy
Anthropologist

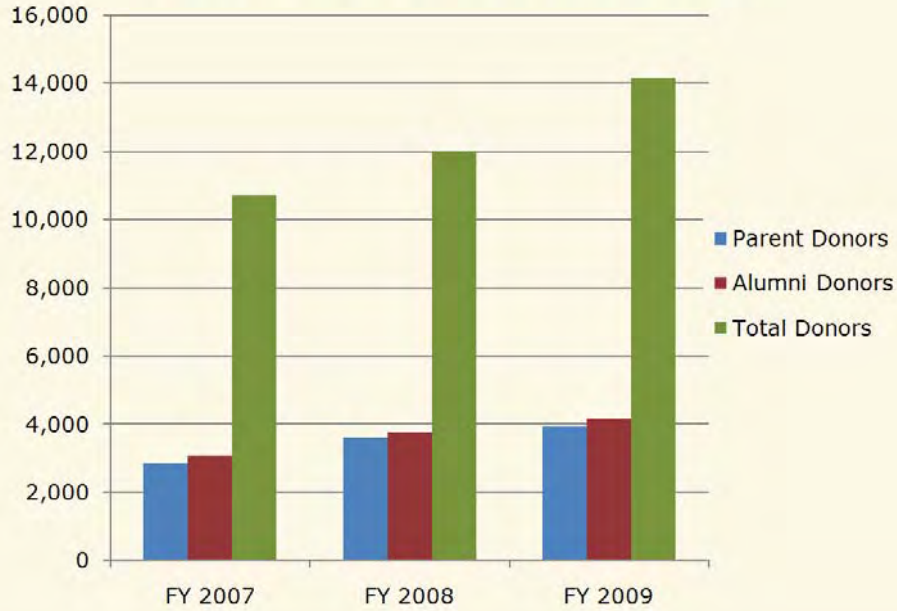


Sandra Faber
Astronomer . Bower Prize Winner

Private Support (\$millions)



Individual Donors Increase







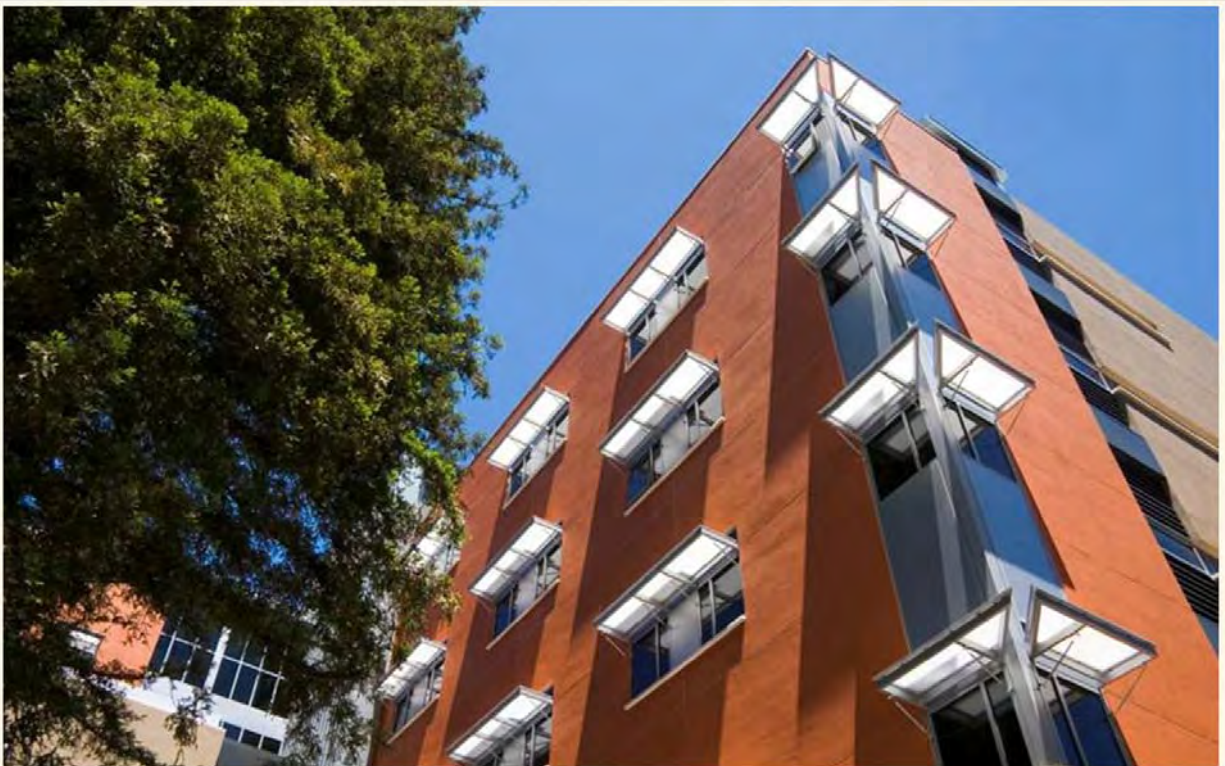
McHenry Library



Humanities and Social Sciences



Digital Arts Research Center



Physical and Biological Sciences



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