



Stanford

BUILDING FOR THE NEW CENTURY

Annual Report 2007





Mark Jacobson

survey through the Woods Institute showing that 85 percent of Americans believe global warming is probably happening.

In a study in *Child Development*, Eaton Psychology Professor CAROL DWECK



(right) shows that at one New York City junior high school, students' mindsets about intelligence affected their math grades, suggesting ways for teachers to help underperforming students.

to protect wetlands in research published in *Global Environmental Change* and *Journal of Climate*.

A study by MARK JACOBSON, professor of civil and environmental engineering, in *Environmental Science & Technology*, shows that ethanol-fueled vehicles pose as high a health risk as vehicles fueled by gasoline.

JONATHAN PAYNE, assistant professor of geological and environmental sciences, presents evidence in the *Geological Society of America Bulletin* that a massive, rapid release of carbon may have triggered an extinction 250 million years ago, providing clues to current global carbon cycle changes.

Humanities and Social Sciences

Passages of Martin Luther King, a play by historian CLAYBORNE CARSON, director of the Martin Luther King Jr. Papers Project, plays to capacity crowds for five nights in Beijing.

JON KROSINICK, the Frederic O. Glover Professor of Communication and Political Science, conducts a

In *The Age of Independence: Interracial Unions, Same-Sex Unions and the Changing American Family*, sociologist MICHAEL ROSENFELD says that an increase in non-



Clayborne Carson



Geophysicist Mark Zoback announces that scientists at the San Andreas Fault Observatory at Depth have extracted rock samples from two miles beneath the surface of the fault, opening new doors for earthquake research.



Beth Pruitt, assistant professor of mechanical engineering, leads an effort funded by a \$2 million grant from the National Science Foundation to generate heart tissue with stem cells.



The Institute of Medicine of the National Academy of Sciences elects three faculty members of the School of Medicine: Ron Levy, Michael Longaker and Matthew Scott (above).



Reunion Homecoming attracts more than 9,000 participants—the most ever—and features a roundtable on global challenges moderated by law alumnus and journalist Carlos Watson (above).



Five faculty members are elected to the American Association for the Advancement of Science: Steven Artandi (Medicine), Laura Attardi (Radiation Oncology),

Christopher Chidsey (Chemistry), Karen Cook (Sociology) (above), Friedrich Prinz (Mechanical Engineering).