HOUSTON AREA ALUMNI

April 5, 2011

President David Leebron
“Rice is in a state of transition. It is a transition from good to better. Facing extraordinary opportunity, the institution is about to become braver, stronger, sounder and more beautiful. ... And at Rice the good life will continue to be lived, but better.”

Edgar Odell Lovett
March 4, 1946
Vision for the Second Century: Five years of progress

- $800 million board-approved construction projects
- 949 entering undergraduates, up 30 percent from 726 in Fall 2004
- Broader, deeper engagement with Houston
- Enhanced research and graduate education
- Larger international presence
- Greater visibility
New faces, new assignments

George McLendon
Provost

Sarah Whiting
Dean of Architecture

Nicolas Shumway
Dean of Humanities

Ned Thomas
Dean of Engineering

Rick Greenspan
Director of Athletics

John Hutchinson
Dean of Undergraduates

Paula Sanders
Vice Provost, Academic Affairs

Carol Quillen
Vice President, International
Applications for fall 2011: 13,804
Applications up 75 percent

Total 7,887

Total 13,804
Undergraduates housed on campus
Financial update: Budget

• The budget is very tight, but:
  - No across-the-board reductions
  - Hiring continues
  - Modest pay raises
  - No increase in Rec Center fees
  - Maintain need-blind admission and financial aid policies

• Some fee increases:
  - Medical and dental insurance
  - Parking rates

• Challenges:
  - State and federal deficits may impact financial aid and grants
  - Finding new efficiencies and revenue sources
Cumulative campaign total by FY (dollars in millions)
Facilities update

Transformational $800 million construction program nearing completion:

• Huff House
• South colleges renovation, East servery
• Wilson House
• Brockman Hall for Physics

Future plans, when funds are raised:

• Continuing Studies, Social Sciences, opera theater, football facility
Grand opening - March 24, 2011
Suzanne Deal Booth Pavilion
James Turrell Skyspace
March 29: Construction began
May 17: Celebration
A vibrant campus
V2C: Emerging strategic initiatives

- Bioscience and health
- Energy and the environment
- International strategies
Centennial Campaign opportunities

- Lab on a chip
- Tissue regeneration
- Global health
- Entrepreneurship
- Policy campus
- Leadership
- Urban design
- Continuing Studies building
- Football facility
- Opera theater
- Global humanities
- Translational Research Consortium
- Green Carbon Center
Why be international?

• Global higher education marketplace
  - Recruit the best faculty and students
    - 22 percent faculty foreign citizens
    - 34 percent graduate students from abroad
    - 11 percent recent freshmen from abroad

• Create global research collaborations
  - Research universal issues

• Give Rice students an international experience
  on campus and through study abroad

• Expand influence and visibility through global
  alumni population

• Build a global reputation
  - Times Higher Education: from 100th to 47th in 2010
International initiatives

• International scholars and students
  - ~600 international scholars and researchers at Rice
  - One-fifth of overall Rice student population

• Research collaborations: BIPP
  - China, Singapore, Japan, Latin America

• Global health: Rice 360

• International centers: Chao Center

• Study abroad: New programs in Argentina and India; opportunities in Brazil and Turkey
“The most refreshing thing about being at Rice is the friendliness of the people. They want to understand the world and really value people from other nations.”

Suman Khatiwada from Nepal, pursuing a doctorate in materials science.
International initiatives

Travels to China: Universities visited
- Peking - agreement signing
- Tsinghua - attend centennial, discuss programs
- Nankai - meet new president, reinforce relationship
- Fudan - global cities survey
- Hong Kong - science and technology collaboration
- Tongji - architecture
- Shanghai - humanities

Alumni and student events
- Hong Kong
- Beijing
BRC strategy: Houston Area Translational Research Consortium

• Ideal central location for bringing together experts in the Texas Medical Center

• Commercialization opportunities

• Experiential learning
• **John McDevitt**: $3.7 million to develop cancer diagnostics with MD Anderson, BCM and UT San Antonio.

• **Rebecca Richards-Kortum**: $1.8 million to develop a new imaging system for the early detection of oral cancer.

• **Rebekah Drezek**: $200,000 for one of the first 13 "high-impact/high-risk" awards for work with the Center for Cell and Gene Therapy (BCM, TCH, TMH) on combined immunotherapy and light-activated photothermal cancer therapy.
Cancer research

- **Vivian Ho** and **Thomas Aloia** (TMH) - National Cancer Institute funding to research strategies to restrain costs and improve outcomes for cancer patients.

- **Dmitri Lapotko** and **Jason Hafner** - NIH funding for investigating the use of “nanobubbles” in cancer therapy.
Rice, TMC team take aim at deadly pancreatic cancer

Houston (Oct. 18, 2010) - Researchers from Rice University’s Laboratory for Nanophotonics, the Radiology Department at Baylor College of Medicine and the University of Texas MD Anderson Cancer Center are preparing to test a combined approach for diagnosing and treating pancreatic cancer with a specially engineered nanoparticle.

The five-year, preclinical testing program will be funded by a newly announced $1.8 million grant from the National Cancer Institute’s Alliance for Nanotechnology in Cancer program.
Energy transitions

- Create think tank for the future of energy
- Improve hydrocarbon fuel efficiency
- Develop new carbon-based fuel sources
- Reduce the environmental impact of carbon fuel consumption
V2C: Contributions to our community

• Public service and leadership
• Houston Area Survey: since 1982
• K-12 programs
• Art and Music
  - Museum of Fine Arts
    o Opens April 24, 1924
    o First director - Rice’s James Chillman
  - Houston Symphony: today
    o 22 Rice alumni
    o 14 Rice adjunct faculty members
    o 6 soloists
• United Way
  - Giving **up 33 percent**
    o $190,000
  - Participation **up 96 percent**
    o 438 to 857
  - Lead donors: 63
  - Leadership
    o Bobby Tudor
    o President Leebron, Ping Sun
    o Greg Marshall, Steve Klineberg, Reggie Clarkson
    o Jim Crownover
Houston engagement

Co-directors Michael Emerson and Stephen Klineberg
Houston visibility
• Rhodes and Marshall scholars
  - Rhodes: Ye Jin Kang, one of only 32 Americans
  - Marshall: Anthony Austin and Jingyuan Luo, only 40 students
  - Clinton Global Initiative University: 10 Rice undergraduate students

Seniors Effie Rahman, Lina Hu, Cindy Dinh, Frances Kellerman, Benjamin Lu and Ann Chou; juniors Dandan Liu, Stephanie Huang, and Sanjula Jain; sophomore Amanda Gutierrez
Making a difference

- Arsalan Kazemi
  - Co-winner of the U.S. Basketball Writers Association’s Most Courageous Award
  - The first Iranian-born athlete to play NCAA Division I basketball

- An Owls leader
Student achievement

ZEROW House

“Bio-beer”

Low-cost microscope

Salad spinner centrifuge
• Naomi Halas, Robert Hauge, James Tour and the late Rick Smalley
  - Four Rice University researchers among the *top 100 chemists of the past decade*
    ISI/Thomson Reuters
Faculty achievement

Naomi Halas and Jennifer West
Inventors of the Year
by the State Bar of Texas

Peter Hartley
Association for Energy Economics
Senior Fellow Award

Moshe Vardi
American Academy of Arts and Sciences

Jim Tour, Yildiz Bayazitoglu, and Rich Baraniuk: Elected Fellows of the American Association for the Advancement of Science
Young faculty achievement

Stephan Link
NSF CAREER

Junghae Suh
NSF CAREER

Lisa Biswal
NSF CAREER

Daniel Cohan
NSF CAREER

Luay Nakhleh
NSF CAREER

Emilia Morosan
NSF CAREER
• Graham Bader, *Hall of Mirrors: Roy Lichtenstein and the Face of Painting in the 1960s*
• Marcia Brennan, *Curating Consciousness: Mysticism and the Modern Museum*
• Justin Cronin, *The Passage*
• Elaine Ecklund, *Science v. Religion: What Scientists Really Think*
• Jeffrey Kripal, *Authors of the Impossible: The Paranormal and the Sacred*
• Alexander Regier, *Fracture and Fragmentation in British Romanticism*
• Cary Wolfe, *What is Posthumanism?*
• Diane Wolfthal, *In and Out of the Marital Bed: Seeing Sex in Renaissance Europe*
Alumni achievement

- CEOs and entrepreneurs
- Public servants
- Philanthropists
- Scientists and teachers
- Writers
- Musicians and composers
- Architects, doctors, lawyers
- Olympians and pro athletes
Alumni achievement

• Public service
  - Annise Parker, mayor
  - Ed Emmett, county judge
  - George Greanias, head of Metro
  - Scott Hochberg, state legislature
  - Pete Olson and John Kline, Congress
  - Ben Rhodes, deputy national security advisor

• Business
  - Lynn Elsenhans, CEO, Sunoco
  - James Turley, CEO, Ernst and Young
  - Doug Foshee, CEO, El Paso Corp
  - David Rhodes, president, CBS News
The Rice stuff

Michel
Bull
Sullivan
Hoffman
Chang-Diaz
Jernigan
Voss

Wisoff
Newman
Doi
Massimino
Whitson
Olivas
Walker
Let’s Celebrate Rice!
Rice Day at the Capitol
Centennial Celebration

- Lovett Hall Centennial
  - March 7
  - ~ 500 attendance

- Rice History Corner blog

- Martin Luther King Day Parade

- Rice Day at the Rodeo
Centennial Celebration
Oct. 10-14, 2012