

Welcome

J. E. Wallace Sterling
Chancellor

Presentation

"The Margaret Jacks Gift"

Paul R. Hanna
Senior Research Fellow, Hoover Institution;
Lee L. Jacks Professor of Child Education, *Emeritus*

Remarks

"The Department of Computer Science"

Edward A. Feigenbaum
Chairman, Department of Computer Science

Address

"Computer Science and Our National Economy"

William F. Miller
President, SRI International;
Professor of Computer Science;
Professor of Public and Private Management
in the Graduate School of Business

Acceptance of Facilities

Gerald J. Lieberman
Vice Provost and Dean of Research

Reception and Tours, 11:30 to 1:00

**MARGARET JACKS HALL
DEDICATION**

STANFORD UNIVERSITY
JUNE 20, 1980

Architect: William H. Busse
Consulting Engineer: Tom Simonson
General Contractor: Robert Tiscornia
Landscape Architect: Jack C. Stafford
Structural Engineer: Fred Willsea
Stanford Project Manager: Roger Buckhout



MARGARET ANNA JACKS

Margaret Jacks died in Palo Alto on April 7, 1962 at the age of eighty-seven. She was the last survivor of the seven children of California pioneer David Jacks, who came west in 1849 and settled in Monterey.

By nature shy and modest, Margaret nevertheless took on the management of the extensive Jacks properties on the Monterey Peninsula and in the Salinas Valley from the time of her sister, Lee L. Jacks', death in January, 1941. Lee's bequest to Stanford made possible the David Jacks Professorship in Higher Education and the Lee L. Jacks Professorship in Child Education.

Margaret Jacks was a graduate of Radcliffe, an ardent Christian Scientist, and a champion of educational improvement throughout her life. In addition to her many gifts to Stanford for scholarships and faculty salaries, she took a personal interest in the Los Altos children's home known as Twelveacres and made generous contributions to many institutions including College of the Pacific, Occidental University, San Francisco Theological Seminary, Radcliffe, and Mills College. She also founded, with Mrs. Herbert Hoover, the Monterey chapter of the American Red Cross.

Toward the end of her life, Miss Jacks developed a great interest in the preservation of historic Monterey, and founded several organizations dedicated to that purpose. She and her sister, Mary (Mrs. Myron

Thomas), purchased the Pacific Building in Monterey and the Stage Coach Inn near Soledad and donated them to California together with funds for their maintenance.

At her death, Margaret Jacks bequeathed to the University one of the largest single gifts in its history. To that date, it was second only to the Founding Grant by Senator and Mrs. Stanford. Her gift has made possible the Vida Jacks Professorship in Education, named for another sister, the Margaret Jacks Professorship in Education, and now the reconstruction of Margaret Jacks Hall.

MARGARET JACKS HALL

Outwardly, the Quad's distinctive sandstone walls and arcades and red clay tile roofs look just as generations of Stanford alumni remember them, dating back to the turn of the century. Inside, however, Margaret Jacks Hall is entirely new. Like Sloan Mathematics Center, Jordan Hall, and History Corner, it has been shaped to the specialized needs of Stanford education and research today and in the decades ahead.

The building was reduced to a shell, its rear roof raised, and its interior built anew with four floors in place of the original three, and a roof terrace giving a wide view across the campus. The architects — Spencer Associates of Palo Alto — have created adaptable and efficient work space for the diverse activities of the Department of Computer Science and Boys Town Center for the Study of Youth Development, without sacrificing the grace and solidity of the old Quad. The oak doors open onto a spacious reception area with a quarry tile floor and a stairway whose wrought iron handrails were saved from the reconstruction of Jordan Hall and Margaret Jacks Hall.

Margaret Jacks Hall represents a nearly ideal accommodation to two often conflicting pressures in the affairs of the University: pressure for growth and change on the one hand, and pressure to preserve our heritage on the other.

THE DEPARTMENT OF COMPUTER SCIENCE, founded in 1965, is a center for graduate level research and education recently rated the best in the United States by a survey of computer science department chairmen. Some sixty-five master's candidates and 100 doctoral candidates come from all parts of the world to work in the Department's strong research groups in analysis of algorithms, theory of computation, artificial intelligence, numerical analysis, and systems. Although the groups' main goal is basic research, there is also considerable emphasis on applications and on interdisciplinary work in such areas as chemistry, genetics, physics, and medicine. Ties are maintained with researchers in the departments of Electrical Engineering, Mathematics, Statistics, and Operations Research, and faculty and students commonly work with investigators in nearby industrial and research organizations.

BOYS TOWN CENTER for the Study of Youth Development is the focal point of research by faculty in nine disciplines — psychology, sociology, education, law, anthropology, pediatrics, psychiatry, economics, and human biology — on children who could be considered at risk for economic, biological, or cultural reasons. In addition to Stanford faculty, visiting scholars from all parts of the world take part in the Center's activities.

Scientific Symposium

1:00 to 5:00 p.m.

Room 040, Building 420

Computer Science and Scientists: Two Personal Perspectives

Donald E. Knuth

Professor of Computer Science

National Medal of Science, 1979

ACM Turing Award, 1974

Robert W. Floyd

Professor of Computer Science

ACM Turing Award, 1978

Intermission

Generating Computer Generations

(The George and Alexandra Forsythe Memorial Lecture)

C. Gordon Bell

Vice President of Engineering

Digital Equipment Corporation

Intermission

Programs with Common Sense – 21 Years After

John McCarthy

Professor of Computer Science

ACM Turing Award, 1971

Computer Science and Medicine: A Personal View from the Bridge

Edward H. Shortliffe

Assistant Professor of Medicine

(General Internal Medicine)

and, by courtesy, of Computer Science

ACM Grace Murray Hopper Award, 1976