

First Gordon Research Conference on Science Education

The Gordon Research Conferences announce the First Gordon Research Conference on Science Education. The conference will be held at the Doubletree Hotel, Ventura, California on March 30 through April 3, 1992. This new venture represents a response of The Gordon Research Conferences to the national crisis in science education. The Gordon Research Conferences has a sixty-year tradition as a facilitator of progress in science through its unique communication format.

Organized by Alan H. Cowley (University of Texas at Austin) and Paul Saltman (University of California San Diego), the First Gordon Research Conference on Science Education is designed as an inaugural meeting with four specific goals:

- (1) To act as a forum for convening educators and research scientists from academe, industry, and government,
- (2) To permit critical, in-depth examination of the various initiatives and alternatives in science education,
- (3) To provide an atmosphere conducive to the generation of joint ventures between research scientists and educators, and
- (4) To play a catalytic role in forging a more integrated, national approach to science education.

Themes to be addressed at the conference include science literacy, development of a national policy for science and science education, women in science, minority access to science education, rewarding college and university teaching, science and mathematics teaching at elementary through post-secondary levels, curricular reform and the involvement of the media, government, and industry in science education.

An important innovative role for the First Gordon Research Conference on Science Education will be to serve as a parent for future Gordon Science Education Conferences. Problems and needs for such conferences will be identified at the First Conference.

Attendance at the First Gordon Research Conference on Science Education will be limited. Approximately half of the participants will be invited; the remainder will be selected on the basis of a formal application. Application materials may be obtained by writing to: Science Education Conference, Gordon Research Conferences, Gordon Research Center, University of Rhode Island, Kingston, RI 02881-0801. Telephone: (401) 783-4011 or (401) 783-3372; FAX (401) 783-7644

Program for the First Gordon Research Conference on Science Education

Monday, March 30, 1992

- A Personal View of Teaching and Research.* Linus Pauling (Linus Pauling Institute)
Why is Science Literacy Important in Society? Norman Hackerman (Rice University, University of Texas at Austin, Robert A. Welch Foundation)
How can Science Literacy be Achieved? Bassam Z. Shakhashiri (University of Wisconsin, Madison)
Toward A National Policy for Science and Science Education. George Brown (Congressman, California)
Serving the Unserved in Science. Who's Let in and Who is Left Out? Sally Ride (University of California, San Diego)

Tuesday, March 31, 1992

- Can Teaching Effectiveness REALLY be Measured?* Robert Wilson (University of California, Berkeley)
Strategies for Teaching Science Majors. Harry B. Gray (California Institute of Technology)
What are the Scientific Societies Doing About Science Education? Richard Nicholson (AAAS)
Science Education Reform: What's Wrong with the Paradigm? Sheila Tobias (University of Arizona and University of California, San Diego)
Who Teaches the Teachers to Teach? James Guthrie (University of California, Berkeley)

Wednesday, April 1, 1992

- Who Teaches?* Paul Saltman (University of California, San Diego)
How Do They Teach it? Lee Schulman (Stanford University)
Mathematics Education: A Strategy for Reform. Shirley Hill (University of Missouri, Kansas City)
Project 2061. F. James Rutherford (AAAS)
Scope, Sequence, and Coordination. Bill Aldridge (National Science Teachers Association)

Thursday, April 2, 1992

- How A Major Research University Rewards Teaching.* John Slaughter (Occidental College)
What is Industry Doing About Science Education? Henry Gysling (Eastman Kodak)
What are the Media Doing About Science Education? John Nobel-Wilford (*New York Times*)
Keynote Address

Friday, April 3, 1992

- Round Table Discussion**
Science Education. Where Do We Go From Here? Luther Williams (NSF), Andy Kaldor (Exxon), Wendell Mohling (Shawnee Mission, Kansas)