

### AAAS INVITED LECTURES AND ILLUSTRATED PRESENTATIONS

- **Invited Lecture I (26 Dec., WH)**  
Jerome Kagan (Professor, Department of Social Relations, Harvard University).  
*Cross Cultural Perspectives on Early Development*
- **Invited Lecture II (27 Dec., SP)**  
Wolf von Eckardt (Architectural Critic, The Washington Post).  
*The New Urban Vision*
- **Invited Lecture III (28 Dec., SP)**  
Richard L. Gregory (Institute for Brain Research, Bristol University).  
*A Paradigm for Perception*
- **Address of the Retiring AAAS President (28 Dec., SP)**  
Mina Rees (President Emeritus, Graduate Division, City University of New York).  
*Saga of American Universities: The Role of Science*
- **George Sarton Memorial Lecture (28 Dec., SH)**  
Thomas S. Kuhn (Professor of the History of Science, Princeton University).  
*Mathematical versus Experimental Tradition in the Development of Physical Science*
- **The B. Y. Morrison Lectureship (29 Dec., SP)**  
René Dubos (Professor Emeritus, Rockefeller University).  
*Humanizing the Earth*
- **RESA Annual Address and Procter Prize (29 Dec., WH)**  
Lewis M. Branscomb (Vice President and Chief Scientist, IBM, Inc., Armonk, N.Y.).  
*Federal Support of Commercially Relevant R & D*
- **Phi Beta Kappa Lecture (29 Dec., SH)**  
I. Bernard Cohen (Professor, Department of History of Science, Harvard University).  
*Isaac Newton: Mathematics, Experiment, and Imagination*
- **Invited Lecture IX (30 Dec., SP)**  
Stephen Toulmin (Provost, Crown College, University of California, Santa Cruz).  
*... And Shall We Have Science for Ever and Ever?*
- **Illustrated Presentation I (26 Dec., WH)**  
Voices and Images of Washington, D.C.  
*Urban Ritual*
- **Illustrated Presentation II (27 Dec., SP)**  
Jerome Weingart (Environmental Quality Laboratory, Pasadena, California).  
*Harnessing the Sun*
- **Illustrated Presentation III (29 Dec., SP)**  
Ryan W. Drum (Fairhaven College).  
*Single Cell Ecology—Diatoms*
- **Illustrated Presentation IV (30 Dec., SP)**  
Tom Frost (Mountain Photography, Ventura, California).  
*Adventure in Exploration: The South Wall of Annapurna 1970*

### Women and Ethnic Minorities in Science

On Wednesday morning, 27 December, a half-day symposium entitled "Facts and Fiction with Regard to Sex Differences" will discuss sex differences from the physiological and sociological point of view, and the psychological basis of sex differences as related to ability in science. Arranged by Elizabeth L. Scott, of the University of California, Berkeley, this symposium will feature Estelle Ramey of Georgetown University and Jacqueline J. Jackson of Duke University as well as a panel consisting of four other women who are accomplished professionals.

Closely related to this program, is one arranged by Hope E. Hopps of the FDA, Department of HEW, entitled "Affirmative Action Programs—Their Impact on Women Today." This symposium, occurring on Wednesday afternoon, 27 December, will present a critical evaluation of women's action programs both in the university and government areas. It will seek answers to the questions: What are the substantive changes of the past 6 years?; What is happening in education and employment?

Other symposia related to these include: "Sex-Role Learning in Childhood and Adolescence"; "Human Learning Capacity in Neurobiological Perspective"; and "Women and Ethnic Minorities in Science and Technology: The Role of Professional Societies."

The last named symposium, scheduled for Friday afternoon, 29 December, is arranged by Richard Trumbull of AAAS. It will (i) present problems and methods related to information gathering on availability of individuals

and educational and employment opportunities; (ii) review placement, recruitment, and compliance aspects; and (iii) discuss programs now under way to meet the needs and those which have been planned. Participants include: Betty M. Vetter of the Scientific Manpower Commission; Robert E. Smith of the Office of Civil Rights, HEW; and William P. Layton of the American Society of Civil Engineers.

On Thursday, 28 December, a symposium entitled "Minorities in Physical Science" arranged by Martin A. Paul of the NAS-National Research Council will consider the range of efforts being made to increase the numbers of blacks, certain other minorities, and women entering careers in the physical sciences.

Besides assessing the present situation in education and employment this symposium will consider such other topics as the role of black colleges in science education and research and educational projects to broaden opportunities for minorities in science. Participants will include: Adolph Y. Wilburn of the National Academy of Sciences; Lucius P. Gregg, Jr., of the First National Bank of Chicago; Warren E. Henry and Moddie D. Taylor of Howard University; Mary W. Gray of American University; and Alfred E. Brown of Celanese Research Company.

### Science in the Cultural Setting

On 27 December a symposium will be presented on semiotics, arranged by William McLean of the University of Illinois, with emphasis on plastic and graphic aspects of semioses. Some of the topics to be covered include film, modern art, photographs of the whole earth, and conceptual aspects of multiple system processes of communication.

On 29 December, in the afternoon, Gerald Holton of Harvard University will organize a symposium on "Science and the New Challenges to Rationality." The leading paper of this symposium will be presented by Charles Frankel of Columbia University on "The Nature and Sources of Irrationalism."

On 29 and 30 December, at the Corcoran Gallery of Art, a symposium will be organized to explore "Visual Perception and the Modern Arts," following upon the invited lecture of the previous day by Professor Richard Gregory of Bristol University, entitled