

USING NSF AND OTHER DATA CREATIVELY TO ANALYZE THE SE JOB MARKET

The Science and Engineering Workforce Project
of the National Bureau of Economic Research

Sponsored by the Alfred P. Sloan Foundation

May 28, 2004

Richard B. Freeman and Daniel L. Goroff: Organizers

The National Science Foundation

4201 Wilson Boulevard, Arlington VA, Meeting Room 375

PROGRAM

THURS MAY 27, 2004 6pm - DINNER

FRIDAY MAY 28, 2004 NSF 4201 Wilson Boulevard, Arlington VA. Meeting Room 375.
Enter NSF through North Side Lobby. Have a picture ID ready and pick up your visitors pass.

8:30-9am COFFEE and PASTRIES

9-10:30am **DISCUSSION OF USE OF NSF CONFIDENTIAL FILES:** Chair, Paula Stephan

PART I: SHORT PRESENTATION OF PAPERS USING NSF CONFIDENTIAL DATA

Keith Bender (paper joint with John Heywood) - "Job Satisfaction and the Highly Educated: The Role of Gender, Academic Tenure, and Comparison Income"

Catherine Weinberger (paper joint with Peter Kuhn) - "The Evolution of the U.S. Gender Earnings Gap, 1969-1999: A Cohort-Based Analysis"

George Borjas - "The Impact of Foreign Students on the Earnings of Doctorates"

Shulamit Kahn (paper joint with Donna K. Ginther) - "Women and Economics: Moving Up or Falling off the Academic Career Ladder?"

Peter Oratzem - "Returns to Graduate and Professional Education: The Roles of Mathematical and Verbal Skills by Major"

PART II: DISCUSSION OF HOW TO MAXIMIZE THE USE OF THE DATA

11-12:30pm **ENVIRONMENTAL SCIENCE CAREER SURVEY**

Key Issues: **David Blockstein**

Basic information; the number of environmental majors

Survey Design: Unique – link of careers to education

Tentative Questionnaire: **Richard B. Freeman**

Email prompting: **Geoff Davis**

Longitudinal Problems: **Catherine Weinberger; Charles Brown; Anne Preston**

12:30-1:30 LUNCH

1:30-2:30 **ANALYSIS OF STUDENT INFLOW INTO MATHEMATICS** - Chair, Daniel L. Goroff

Phillip M. Sadler - "Briefing on a Proposed Survey of College Mathematics Students"
With conference call participation by representatives of the Survey's Advisory Board:

Clifford Adelman, National Center for Educational Statistics

Sol Garfunkel, Consortium for Mathematics and its Applications

Andrew Gleason, Harvard University

Edward Joyce, Boston Public Schools

James Maxwell, American Mathematical Society

Jeanne Narum, Project Kaleidoscope

Elaine Seymour, University of Colorado, Boulder

Uri Treisman, University of Texas at Austin

2:30-2:45 **BREAK**

2:45-3:45 **DISCUSSION OF NBER CONFERENCE / OTHER INITIATIVES**

Richard B. Freeman, Daniel L. Goroff, Tanwin Chang

3:45pm **ADJOURN**

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PARTICIPANT LIST

James Adams	Rensselaer Polytechnic Institute and NBER
Elaine Bernard	Harvard University, Executive Director, Trade Union Program and Labor and Worklife Program at the Harvard Law School
Keith Bender	University of Wisconsin - Milwaukee, Department of Economics
David Blockstein	National Council for Science and the Environment, Senior Scientist
Grant Black	Georgia State University, Senior Research Associate, Andrew Young School of Policy Studies
George Borjas	Harvard University, John F. Kennedy School of Government and NBER
John Bound	University of Michigan, Department of Economics, and NBER
Charles Brown	University of Michigan, Department of Economics, and NBER
Lynda T. Carlson	National Science Foundation, Division Director, Social, Behavioral and Economic Sciences, Science Resource Statistics
Tanwin Chang	Harvard University and NBER, Policy Analyst
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Sharon Levin	University of Missouri, St. Louis, Dept of Economics, & Director of Grad. Studies
Ronald Oaxaca	University of Arizona, Department of Economics
Peter Orazem	Iowa State University, Director, Industrial Relations Program and Co-Director, Institute of Science and Society
Anne Preston	Haverford College, Department of Economics
Phillip M. Sadler	Harvard University, Harvard-Smithsonian Center for Astrophysics
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