

USING NSF AND OTHER DATA CREATIVELY TO ANALYZE THE S&E 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, Dan and Brad's (in the Hilton Arlington & Towers), 950 North Stafford St. Arlington.

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 Narrowing 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 Orazem (paper joint with Moohoun Song) - "Returns to Graduate and Professional Education: The Roles of Mathematical & Verbal Skills by Major"

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

10:30-11am BREAK

11-12:30pm **ENVIRONMENTAL SCIENCE CAREER SURVEY** - Chair, Richard B. Freeman

Key Issues: **David Blockstein** - "Campus to Careers: The Career Paths of Alumni of Interdisciplinary Environmental Programs"

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 - "Factors Influencing College Success in Mathematics (FICSMath)"

With conference call participation by representatives of the Survey's Advisory Board and others:

Donald Albers, Mathematics Association of America

Andrew Gleason, Harvard University

James Maxwell, American Mathematical Society

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
Grant Black	Georgia State University, Senior Research Associate, Andrew Young School of Policy Studies
David Blockstein	National Council for Science and the Environment, Senior Scientist, Council of Environmental Deans and Directors
George Borjas	Harvard University, John F. Kennedy School of Government and NBER
John Brighton	NSF, Engineering, OAD, Assistant Director
Charles Brown	University of Michigan, Department of Economics, and NBER
Lynda T. Carlson	NSF, Division Director, Social, Behavioral and Economic Sciences, Science Resource Statistics
Margaret Cavanaugh	NSF, Director's Office, Staff Associate
Tanwin Chang	Harvard University and NBER, Policy Analyst
Claire Christian	National Council for Science and the Environment, Program Assistant
Nicholas L. Clesceri	NSF, Biology and Environmental Engineering / BES, Program Director
Ryan M. Colker	Renewable Natural Resources Foundation, Director of Programs
Geoff Davis	Sigma Xi, The Scientific Research Society, Visiting Scholar
Janice Earle	NSF, Education and Human Resources, Senior Program Director
Dean Evasius	NSF, Division of Mathematical Sciences, Assistant Program Officer
Richard B. Freeman	Harvard University, Department of Economics and NBER
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Peter Henderson	National Research Council, Board on Higher Education and Workforce
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Shulamit B. Kahn	Boston University, School of Management
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
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Phillip M. Sadler	Harvard University, Harvard-Smithsonian Center for Astrophysics
Paula Stephan	Georgia State University, Andrew Young School of Policy Studies
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Elaine Zanutto	University of Pennsylvania, Wharton School, Department of Statistics
Eleanor L. Babco	Commission on Professionals in Science and Technology, Executive Director