

Section VI:

**Contributors to the EHR Advisory Committee
Review of U.S. Undergraduate Education in SME&T**

Acknowledgments

Shaping the Future is the product of many people, and it is a pleasure to acknowledge their contributions to this report. My only fear is that I will overlook someone, and I hope for forgiveness if that is the case.

First, I thank Luther Williams for the idea to do the report in the first place and the unfailing support and encouragement to complete it and to implement it. To Bob Watson, Division Director for Undergraduate Education is owed an enormous debt of gratitude. Bob opened the Division to me, provided whatever I needed to get the job done, allowed me to observe and participate in many aspects of the Division's work, and gave invaluable advice and suggestions at every stage. Throughout, however, he was careful to allow me to be independent. Any lapse of objectivity is my responsibility, not his.

The staff in DUE were helpful beyond belief, though they had a full plate of responsibilities without this review! They provided information and assistance at every turn, seemingly never too busy to answer a question or offer a suggestion. They planned the conference, "Shaping the Future," in such a way as to provide a superb sendoff for our report. Thanks to all of them, who became and still are good colleagues.

Special thanks are due to Myles Boylan and Peter Yankwich, who did most of the staff work, analyzing information, commenting on early drafts, gathering data, and providing invaluable historical perspectives. Anita Broadus was our faithful secretarial support, solving all sorts of problems and providing all sorts of assistance, always with a smile. Ranetta Roseboro was always available as backup, helping me with computer or administrative problems.

Outside the NSF, I acknowledge with gratitude my colleagues at the NRC with whom we worked so closely. Thanks to Don Kennedy, who provided the overall leadership for "From Analysis to Action," along with Brad Moore, Chair of the NRC's Committee on Undergraduate Science Education, and Nancy Devino, NRC staff. They were faithful colleagues whose commitment and wisdom are reflected in many ways in *Shaping*.

The RevUE committee was wonderful. They trusted me, corrected me, improved my writing, made me think, broadened my horizons. The report would not have been nearly so complete or accurate without their invaluable help.

I thank my several institutions, who permitted me the time to work on *Shaping the Future*. I am particularly grateful to the University of Minnesota for giving me the opportunity to do the major part of this work, on an IPA with the NSF. But St. Olaf College and The University of Missouri have also generously shared me (or maybe they were glad to be rid of me!) for some of this work. I trust they will think it has been worthwhile.

Finally, I thank most sincerely all those around the country who participated in the review, through writing letters, testifying at hearings, sending information, responding to my questions, being part of the opening convocation, regional symposia, discussions at professional meetings, or the final conference itself. Your ideas, not mine, are reflected in the report. It was you who have done so much to improve SME&T undergraduate education in the past 10 years—and it is that progress that created a climate in which the vision we tried to articulate in *Shaping* could even be conceivable. Thank you, on behalf of all of our students, today and in the years to come.

Melvin D. George
Columbia, Missouri
March, 1997

Reproduction of the letter sent out by NSF Assistant Director Luther Williams to initiate discussion and commentary on the national state of undergraduate education. Respondents to Dr. Williams' letter, the various NSF and NRC steering committees, participants and contributors to the process are listed following the Description of the review.

OMB 3145-0156
EXP. DATE 12/95

June 14, 1995

Dear _____

I seek your assistance with a comprehensive review of undergraduate education in science, mathematics, engineering, and technology (SME&T) that is being carried out by the National Science Foundation. SME&T education in the United States takes place in different types of institutions and in very diverse settings; we are seeking guidance from every major sector. At this early stage, I am soliciting the views of a small number of persons experienced and strongly interested in the subject of the review in order to identify major themes, topics, and focal points for consideration.

The attached memorandum, *NSF Review of Undergraduate Education*, describes the structure of the effort, indicates the policy context, lists the goals of the Foundation's SME&T education activities, and indicates some of the broad areas of inquiry to be studied. This solicitation of views occurs at the beginning of *Phase I*.

I invite you to participate now in the Review by writing a substantial letter based on your experience with contemporary undergraduate SME&T education and focusing on two questions:

What are the three most significant improvements in undergraduate SME&T education you have observed in our nation during the past ten years?

What are the three most important problems you and collaborating individuals and organizations encounter in your efforts to assure that the best possible education is delivered to undergraduates in the areas of SME&T?

I hope you will use *student learning in SME&T fields* as the primary frame of reference for your remarks, and the *quality of the resulting student preparation for diverse post-matriculation pursuits* as the primary criterion for judging educational merit. Your letter (or any questions) should be addressed to "Undergraduate Review," c/o Dr. Robert F. Watson, Director, Division of Undergraduate Education, Room 835 at the above address. Your input is needed by August 1, 1995. A report summarizing the findings and recommendations of the review should be available to share with you early in 1996.

Your letter will be an important addition to the contributions you have made to undergraduate education. I thank you for it.

Sincerely,

Luther S. Williams
Assistant Director

NSF Review of Undergraduate Education: Description

The Education and Human Resources (EHR) Directorate of the National Science Foundation (NSF) is undertaking a general review of the condition and needs of undergraduate education in the United States in the areas of science, mathematics, engineering, and technology (SME&T). This review includes wide consultation with students, educators, and employers. It will produce, by late spring 1996, a set of recommendations for accelerating progress in the improvement of undergraduate education. Concurrent with the review is a national dialogue on this subject conducted by the National Research Council and following from the joint NRC-NSF *Convocation on Undergraduate Education* held in April 1995 in Washington DC. The NSF review is coordinated with this dialogue—drawing on it and on other sources of input from individuals, organizations, and groups across the country.

Acting in an advisory capacity to Luther S. Williams, Assistant Director of NSF for EHR, are members of the Subcommittee for Undergraduate Education of the directorate's Advisory Committee:

Sadie Bragg, Borough of Manhattan Community College
Denice D. Denton, University of Wisconsin - Madison
Melvin George, University of Minnesota, (Chair)
Peter Gerber, MacArthur Foundation
Mary M. Lindquist, Columbus College (Georgia)
James Rosser, California State University - Los Angeles
David Sanchez, Texas A&M University
Alfredo G. de los Santos, Jr., Maricopa Community Colleges (Arizona), and
Carolyn Meyers, North Carolina A&T State University, (Consultant)

The Foundation is undertaking this review of the central enterprise of undergraduate education at a critical moment. National efforts to improve *precollege* education in SME&T, including those of the NSF, have been extensive and have involved efforts to create both innovative local improvement and larger systemic changes. The support of such efforts at the *undergraduate* level is more recent and has emphasized innovative improvement projects at single sites. The necessity for—and possibility of—larger-scale changes in undergraduate education is the primary question the review will investigate. While the Foundation recognizes that it raises this question at a time when the nation's colleges and universities are facing unprecedented financial and programmatic challenges, it is expected that the review will reveal ways of increasing the effectiveness of these institutions in undergraduate education. The provision of excellent educational services requires a robust infrastructure whose components at all institutions include faculty, curriculum, and capabilities for teaching and scholarship. The condition and support of these components will be examined.

The goals of improved undergraduate education in SME&T are:

- citizens who are empowered to be full participants in a scientific and technological society;
- a technically well-prepared workforce that can both participate and lead in a high performance workplace employing advanced technologies;
- teachers who are solidly grounded in both science and pedagogy, and scientists and engineers who are well-prepared for their occupations; and
- young people with diverse backgrounds, reflecting the changing face of America, successfully involved in SME&T.

Consistent with its chartered responsibility to “initiate and support ... science education programs at all levels ...”, the NSF seeks to ascertain the extent of effective innovation in undergraduate education in SME&T, and to determine what steps, if any, should be taken next to bring about further significant improvements. The specific areas of inquiry listed below are designed to lead to implementable recommendations to universities and colleges, scientific societies, and government and private funding and credentialing agencies (including, particularly, NSF itself):

- What are the innovations in undergraduate education and what is the evidence that their adoption represents a superior practice of undergraduate education? [The areas of inquiry regarding superior practice will involve: curriculum of all types and levels, faculty maintenance and development, pedagogy, instructional technology, instrumentation and facilities, research opportunities for students and faculty, and connections of instructional programs to the world of work.]
- What are the unmet educational needs of those who are receiving and have received undergraduate SME&T instruction?
- What infrastructure needs of institutions offering undergraduate instruction must be supported for them to implement the best instructional practices and meet the needs of students and employers?

In the context of an institution’s entire undergraduate enterprise, what are the problems that need to be addressed to achieve the goals of undergraduate SME&T education? What are suggested solutions to these problems? Who should do what, and how?

The effort through which the Foundation plans to address these questions will consist of three phases:

Phase I, now well advanced, involves direct, systematic investigation of the considered points of view of a broad spectrum of individuals and organizations who may be regarded as the “customers” of the diverse educational programs and institutions that deliver undergraduate education. Four major means are being employed: (a) Responses are being analyzed to letters soliciting the views of nearly 200 individuals and organizations. (b) Comments are being invited at a number of disciplinary and educational conferences. (c) Hearings were held to receive testimony from representatives of disciplinary groups, institutions of higher education, and business/industry. (d) Focus groups of students, recent graduates, parents, employers, and graduate/professional schools admission officers are being conducted. In addition, existing reports and data on undergraduate SME&T education are being analyzed.

Phase II of the review will present a summary of preliminary findings and tentative recommendations from Phase I for comment and elaboration to a large number of persons experienced in undergraduate education: individuals and organizations will be contacted, regional hearings will be held, and there will be discussions with faculty and administrators attending key professional society meetings.

In *Phase III*, the review will formulate, based on Phases I and II, specific firm recommendations in a plan for action to achieve the goals stated above for improved undergraduate education in SME&T. The report conveying the results of the review is expected to be ready in the spring of 1996 and will be disseminated first through a major event planned for July 1996 in Washington, DC.

For further information contact the Division of Undergraduate Education of EHR.

**Respondents to the Letter from Luther Williams,
NSF Assistant Director for Education and Human Resources**

Jane Armstrong

*Director of Policy Studies
Education Commission of the States
Denver, CO*

Alexander W. Astin

*Allan M. Carter Professor and Director
University of California, Los Angeles
Los Angeles, CA*

Hyman Bass

*Department of Mathematics
Columbia University
New York, NY*

Osa Brand

*Educational Affairs Director
Association of American Geographers
Washington, DC*

George R. Boggs

*Superintendent/President
Palomar College
San Marcos, CA*

Laurence J. Boucher

*Dean, College of Natural and Mathematical
Sciences
Towson State University
Towson, MD*

Ernest L. Boyer

*President
The Carnegie Foundation for the Advancement of
Teaching
Princeton, NJ*

Jim Burke

*Colloquium Committee, Department of Mathematics
University of Washington
Seattle, WA*

William L. Briggs

*Mathematics Department
University of Colorado at Denver
Denver, CO*

Alice Brown (et al.)

*Director
Appalachian College Association, Inc.
Berea, KY*

Lillian N. Cassel

*Department of Computing Sciences
Villanova University
Villanova, PA*

Thomas R. Cech

*Teacher
Howard Hughes Medical Institute Research
Laboratories
University of Colorado at Boulder
Boulder, CO*

Kenneth Chapman

*Education Division
American Chemical Society
Washington, DC*

Orville L. Chapman

*Professor of Chemistry &
Associate Dean for Educational Innovation
University of California, Los Angeles
Los Angeles, CA*

Robert Christman

*NAGT Executive Director
National Association of Geology Teachers
Bellingham, WA*

John Clevenger

*Professor of Chemistry
Truckee Meadows Community College
Reno, NV*

William S. Cohen

*Department of Biology
University of Kentucky
Lexington, KY*

Jhonna B. Cole

*President
Spelman College
Atlanta, GA*

Rita R. Colwell

*President,
American Association for the Advancement of
Science
Washington, DC*

K. Jane Coulter

*Deputy Administrator
Science and Education Resources Development
United States Department of Agriculture
Washington, DC*

G. A. Crosby

*Professor of Chemistry and Materials Science
Washington State University
Pullman, WA*

Patricia A. Cunniff

*Director, Science and Technology Resource Center
Prince Georges Community College
Largo, MD*

Jaleh Daie

*Science Advisor, UW System
University of Wisconsin
Madison, WI*

E. Julius Dasch

*National Space Grant College and Fellowship
Program
National Aeronautics and Space Administration
Washington, DC*

G. Doyle Daves, Jr.

*Dean, School of Science
Rensselaer Polytechnic Institute
Troy, NY*

Kerry Davidson

*Deputy Commission of Higher Education
State of Louisiana Board of Regents
Baton Rouge, LA*

Eugene M. DeLoatch

*Dean
Morgan State University
Baltimore, MD*

Denice D. Denton

*Professor of Electrical and Computer Engineering
University of Madison - Wisconsin
Madison, WI*

Paul R. Dickenson

*Executive Director
Partnership for Environmental Technology
Education
Pleasanton, CA*

Catherine J. Didion

*Executive Director
Association for Women in Science
Washington, DC*

Richard P. D'Onofrio

*President
Franklin Institute of Boston
Boston, MA*

John A. Dossey

*Distinguished University Professor of Mathematics
& Past-President, NCTM
Illinois State University
Normal, IL*

Ronald G. Douglas

*Vice Provost & Professor of Mathematics
State University of New York at Stony Brook
Stony Brook, NY*

Marvin Druger

*Chairperson, Department of Science Teaching
& Professor, Biology and Science Education
Syracuse University
Syracuse, NY*

Patricia A. Dyer

*Vice President Academic Affairs
Palm Beach Community College
Palm Beach, FL*

Robert H. Edwards

*President
Bowdoin College
Brunswick, ME*

Arthur B. Ellis

*Meloche-Bascom Professor
University of Wisconsin - Madison
Madison, WI*

Royce C. Engstrom

*Professor of Chemistry
University of South Dakota
Vermillion, SD*

E. W. Ernst

*Allied Signal Professor of Engineering
University of South Carolina
Columbia, SC*

Dale Ewen

*Vice President, Academic and Student Services
Parkland College
Champaign, IL*

Etta Falconer

*Associate Provost for Science Programs & Policy
Spelman College
Atlanta, GA*

Lyle D. Feisel

*Dean, School of Engineering and Applied Science
Binghamton University
Binghamton, NY*

Evan R. Ferguson

*Deputy Executive Director
Sigma Xi, The Scientific Research Society
Research Triangle Park, NC*

Pamela A. Ferguson

*President
Grinnell College
Grinnell, IA*

Samuel C. Florman

*Kreisler, Borg, Florman Construction Company
Scarsdale, NY*

Kenneth E. Foote

*Associate Professor of Geography
The University of Texas at Austin
Austin, TX*

Norman L. Fortenberry

*Executive Director
National Consortium for Graduate Degrees for
Minorities
in Engineering and Science, Inc. (GEM)
Notre Dame, IN*

Shelley Fisher

*President
National Science Teachers Association
Sand Springs, OK*

Marye Anne Fox

*Vice President for Research
The University of Texas at Austin
Austin, TX*

Carver C. Gayton

*Corporate Director, College and University
Relations
The Boeing Company
Seattle, WA*

Edward E. Geary

*Coordinator for Educational Programs
The Geological Society of America
Boulder, CO*

Joan S. Girgus

*Director,
Pew Science Program in Undergraduate Education
Princeton, NJ*

Elma Gonzalez

*Professor of Biology
University of California, Los Angeles
Los Angeles, CA*

John I. Goodlad

*Professor and Director, Center for Educational
Renewal
University of Washington
Seattle, WA*

William H. Graves

*Professor of Mathematics,
Associate Provost for Information Technology
The University of North Carolina at Chapel Hill
Chapel Hill, NC*

Lawrence P. Grayson

*Executive Director
National Academy for Science, Space and
Technology Scholarship Program
United States Department of Education
Washington, DC*

Norman Hackerman

*President Emeritus
Rice University
Houston, TX*

Jerrier A. Haddad

*President,
Accreditation Board for Engineering and
Technology
Baltimore, MD*

Gene E. Hall

*Professor, College of Education
University of Northern Colorado
Greeley, CO*

William C. Harris

*Assistant Director, Mathematical and Physical
Sciences
National Science Foundation
Arlington, VA*

David M. Hata

*Chair, Microelectronics Technology
Portland Community College
Portland, OR*

Robert M. Hazen

*Carnegie Institution of Washington
Geophysical Laboratory
Washington, DC*

James G. Heideman

*Department of Technology
California State University, Los Angeles
Los Angeles, CA*

Curtis J. Hieggelke

*Professor of Physics
Joliet Junior College
Joliet, IL*

Alice S. Huang

*Dean for Science and Professor
New York University
New York, NY*

Frank L. Huband

*Executive Director
American Society for Engineering Education
Washington, DC*

Durward R. Huffman

*President
Northern Maine Technical College
Presque Isle, ME*

Frederick S. Humphries

*President
Florida A&M University
Tallahassee, FL*

Jerry Johnson

*Chair, Department of Mathematics
University of Nevada Reno
Reno, NV*

Karen L. Johnson

*President
American Association of Physics Teachers
College Park MD*

John R. Jungck

*Professor, Department of Biology
Beloit College
Beloit, WI*

Jane Butler Kahle

*Condit Professor of Science Education
The Ohio Mathematics/Science Project
Oxford, OH*

David Kaufman

*Associate Dean, College of Engineering
The University of New Mexico
Albuquerque, NM*

Penelope Kegel-Flom

*President
Association for Women in Science
Washington, DC*

Donald E. Kirk
Dean of Engineering
San José State University
San José, CA

William E. Kirwan
President
University of Maryland at College Park
College Park, MD

George D. Klein
President
New Jersey Marine Sciences Consortium
Fort Hancock, NJ

Priscilla W. Laws
Professor of Physics
Dickinson College
Carlisle, PA

Joan R. Leitzel
Senior Vice Chancellor for Academic Affairs
University of Nebraska Lincoln
Lincoln, NE

Stephen R. Lewis, Jr.
President
Carleton College
Northfield, MN

Ivo E. Lindauer
Professor of Botany
University of Northern Colorado
Greeley CO

Mary Lindquist
Past President
National Council of Teachers of Mathematics
Columbus, GA

Jean MacGregor
Interim Director
Washington Center for Improving the
Quality of Undergraduate Education
Olympia, WA

C. Peter Magrath
President
National Association of State Universities and Land-
Grant Colleges
Washington, DC

Ted Marchese
Vice President
American Association of Higher Education
Washington, DC

Marilyn Mays
President
American Mathematical Association of Two-Year
Colleges
Memphis, TN

Eve L. Menger

Painted Post, NY

Stanley A. Mertzman
Associate Dean of the College, Dean of Research
Franklin and Marshall College
Lancaster, PA

Mary Beth Monroe
Department of Physics
Southwest Texas Junior College
Uvalde, TX

C. Bradley Moore
Professor of Chemistry
University of California at Berkeley
Berkeley, CA

Calvin C. Moore
Department of Mathematics
University of California at Berkeley
Berkeley, CA

Manual T. Pacheco
President
The University of Arizona
Tucson, AZ

Robert E. Parilla
President
Montgomery College
Rockville, MD

Edward A. Parrish
Centennial Professor and Dean
Vanderbilt University
Nashville, TN

C. Kumar N. Patel

*President
The American Physical Society
College Park, MD*

Ernest J. Peck

*Vice Chancellor, Academic Affairs
University of Nebraska at Omaha
Omaha, NE*

Joseph G. Perpech

*Vice President, Grants and Special Programs
Howard Hughes Medical Institute
Chevy Chase, MD*

Frederic K. Pfaender

*Chairman, Board of Education and Training
American Society for Microbiology
Washington, DC*

Winfred M. Phillips

*Dean, College of Engineering
University of Florida
Gainesville, FL*

George D. Peterson

*Executive Director
Accreditation Board for Engineering and
Technology, Inc.
Baltimore, MD*

David R. Pierce

*President
American Association of Community Colleges
Washington, DC*

Jerry Pine

*Professor of Biophysics
California Institute of Technology
Pasadena, CA*

Karl S. Pister

*Chancellor
University of California, Santa Cruz
Santa Cruz, CA*

Jack Price

*President
National Council of Teachers of Mathematics
Reston, VA*

William A. Prothero, Jr.

*Department of Geological Sciences
University of California, Santa Barbara
Santa Barbara, CA*

Judith A. Ramaley

*President
Portland State University
Portland, OR*

William H. Rauckhorst

*University Director for Scholarship and Teaching
Miami University
Oxford, OH*

Stephen Rodi

Kenneth A. Ross

*President
Mathematical Association of America
Eugene, OR*

James M. Rosser

*President
California State University, Los Angeles
Los Angeles, CA*

Brian M. Rushton

*President
American Chemical Society
Washington, DC*

David A. Sanchez

*Vice Chancellor for Academic Affairs
Texas A&M University
College Station, TX*

A. Mickey Sarquis

*Director, Center for Chemical Education
Miami University
Middletown, OH*

Robert B. Schwartz

*Director, Education Program
The Pew Charitable Trusts
Philadelphia, PA*

Joyce A. Scott

*Vice President for Academic and International Programs
American Association of State Colleges and Universities
Washington, DC*

Mary Shaw

*School of Computer Science
Carnegie Melon University
Pittsburgh, PA*

Calvet H. Smith

*Office of Systemic Reform
State of Ohio
Cincinnati, OH*

Edward A. Prather

*Assistant Dean
College of Engineering
University of Cincinnati
Cincinnati, OH*

William F. Snyder

*President
Wytheville Community College
Wytheville, VA*

Dorothy L. Stout

*Past President, National Association of Geology Teachers
Cypress College
Cypress, CA*

Bob Swenson

*Vice President for Research and Creative Activities
Montana State University
Bozeman, MT*

Judith Tavel

*Department of Mathematics, Physical and Computer Sciences
Dutchess Community College
Poughkeepsie, NY*

John G. Truxal

*Distinguished Teaching Professor Emeritus
State University of New York at Stony Brook
Stony Brook, NY*

Alan Tucker

*Chair, Coordinating Council for Education
The Mathematical Association of America
Stony Brook, NY*

Stephen B. Tucker

*Program Manager, Higher Education Programs
General Electric Fund
Fairfield, CT*

Gordon E. Uno

*President, National Association of Biology Teachers
The University of Oklahoma
Norman, OK*

Christopher J. Van Wyk

*Department of Mathematics and Computer Science
Drew University
Madison, NJ*

Kenneth L. Verosub

*Professor of Geology
University of California, Davis
Davis, CA*

Nathaniel T. Wheelwright

*Associate Professor of Biology
Bowdoin College
Brunswick, ME*

Laurel L. Wilkening

*Chancellor
University of California, Irvine
Irvine, CA*

Paul H. Williams

*Department of Biology
University of Wisconsin - Madison
Madison, WI*

Karen Worth

*Senior Associate
Education Development Center, Inc.
Newton, MA*

Wm. A. Wulf

*AT&T Professor of Engineering
University of Virginia
Charlottesville, VA*

Richard N. Zare

*Marguerite Blake Wilbur Professor of Chemistry
Stanford University
Stanford, CA*

Maria E. Zavala

*California State University Northridge
Northridge, CA*

Undergraduate Convocation Program Steering Committee for *From Analysis to Action*

Undergraduate Convocation Program Steering Committee

Donald Kennedy

*Department of Biology
Stanford University*

Melvin D. George

*President Emeritus
St. Olaf College (MN)*

Members, Board on Engineering Education

Karl S. Pister

*Chancellor
University of California-Santa Cruz*

Denice D. Denton

*Professor of Engineering
University of Wisconsin-Madison*

Members, Committee on Undergraduate Science Education

C. Bradley Moore

*Department of Chemistry
University of California - Berkeley*

Sharon R. Long

*Department of Biology
Stanford University*

Members, Mathematical Sciences Education Board

Hyman Bass

*Department of Mathematics
Columbia University*

Sylvia T. Bozeman

*Department of Mathematics
Spelman College (GA)*

Members-at-Large

Dudley R. Herschbach

Harvard University

Gerald Holton

Harvard University

Angelica Stacy

*Department of Chemistry
University of California - Berkeley*

Marilyn J. Suiter

American Geological Institute

**Participants in *From Analysis to Action: Undergraduate Education in
Science, Mathematics, Engineering, and Technology*
The NRC/NSF Convocation**

April 9-11, 1995

Abraham, Neal

*Professor of Physics
Bryn Mawr College
101 North Merion Avenue
Bryn Mawr, PA 19010*

Apple, Martin A.

*Executive Director
Council of Scientific Society Presidents
1155 16th Street, NW
Washington, DC 20036*

Agogino, Alice

*Professor
University of California
Department of Mechanical Engineering
5136 Etcheverry Hall
Berkeley, CA 94720*

Agrawal, Askok

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Ahnert, Edward

*President
Exxon Education Foundation
225 East John W. Carpenter Freeway
Irving, TX 75062*

Alberts, Bruce

*Chairman
National Research Council
2101 Constitution Avenue, NW
Washington, DC 20418*

Atkiss, Anthony

*Chairman
Exxon Education Foundation
225 East John W. Carpenter Freeway
Irving, TX 75602*

Baker, Gregory

*Professor
Ohio State University
Department of Mathematics
231 W. 18th Avenue
Columbus, OH 43210*

Bass, Hyman

*Professor of Mathematics
Columbia University
Department of Mathematics
New York, NY 10027*

Berriozabal, Manuel

*Professor of Mathematics/Coordinator
University of Texas at San Antonio
Division of Math, Computer Science and
Statistics
San Antonio, TX 78249-0661*

Beltz, Barbara

*Professor
Wellesley College
Wellesley, MA 02181*

Boggs, George

*President
Palomar College
11140 West Mission Road
San Marcos, CA 92069-1487*

Bordogna, Joseph

*Assistant Director for Engineering
National Science Foundation
4201 Wilson Boulevard, Room 505
Arlington, VA 22230*

Borland, Robert

*University of Nebraska at Lincoln
Department of Mathematics & Statistics
Box 8800323
Lincoln, NE 68588-0323*

Boutte, Kenneth

Xavier University
P.O. Box 120C
New Orleans, LA 70125

Boylan, Myles

National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard
Arlington, VA 22230

Bozeman, Sylvia

Professor and Chairman, Department of
Mathematics
Spelman College
350 Spelman Lane, Box 270
Atlanta, GA 30314-4399

Bragg, Sadie

Acting Dean of Academic Affairs and
Professor of Mathematics
Borough of Manhattan Community College
199 Chambers Street
New York, NY 10007

Brown, Malcolm

Director of Academic Computing
Dartmouth College
Kiewit Computing Center 6028
Hanover, NH 03755

Brownstein, Barbara

Professor
Temple University
Department of Biology
Philadelphia, PA 19122

Brunkhorst, Bonnie

Professor of Geology and Science Education
California State University
Institute for Science Education
5500 University Parkway
San Bernardino, CA 92407

Bruns, Peter

Director, Division of Biological Sciences
Cornell University
169 Biotechnology Building
Ithaca, NY 14853

Bunce, Diane

The Catholic University of America
Chemistry Department
Washington, DC 20064

Burrill, Gail

President-Elect, NCTM
University of Wisconsin NCRMSE
12155 West Luther Avenue
Madison, WI 53706

Bybee, Rodger

Associate Director
Biological Sciences Curriculum Study
5415 Mark Dabbling Boulevard
Colorado Springs, CO 80918-3842

Campbell, George

President
National Action Council for Minorities in
Engineering
3 West 35th Street
New York, NY 10001

Cannon, Peter

Managing Partner VRE
4848 Colt Street, Suite 1
Ventura, CA 93004

Capco, David

Professor, Arizona State University and
Program Director National Science Foundation
4201 Wilson Boulevard, Room 605
Arlington, VA 22230

Cappellari, Ann

Beloit College
Beloit, WI 53511

Carlson, William

Professor and Chairman
University of Texas at Austin
Department of Geological Sciences
Austin, TX 78712

Carpenter, John

Director
University of South Carolina Center for Science
Education
Columbia, SC 29208

Carr, Stephen

Associate Dean, Engineering
Northwestern University
Robert R. McCormick School of
Engineering and Applied Science
Evanston, IL 60208

Celeste, Richard

*Celeste & Sabety, Ltd.
240 North 5th Street
Columbus, OH 43215*

Chamot, Dennis

*Assistant Executive Director
Commission on Engineering and Technical Systems
National Research Council
2101 Constitution Avenue, NW, HA280
Washington, DC 20418*

Chang, Amy

*Director, Education and Training
American Society for Microbiology
Office of Education and Training
1325 Massachusetts Avenue, NW
Washington, DC 20020*

Chapman, Orville

*Professor
University of California
Department of Chemistry and
Biochemistry
405 Hilgard Avenue
Los Angeles, CA 90095-1569*

Chapman, Sally

*Professor of Chemistry
Barnard College
3009 Broadway
New York, NY 10027-6598*

Clark, Robert

*Professor of Physics and
Associate Dean of College of Science
Texas A&M University
College Station, TX 77843-4242*

Conroy, Brian

*The Catholic University of America
Chemistry Department
Washington, DC 20064*

Crosby, Glenn

*Professor of Chemistry and Materials Science
Washington State University
Pullman, WA 99164-4630*

Crowley, Kevin

*Senior Program Officer
National Research Council Board on Earth Sciences
2101 Constitution Avenue, NW, HA 372
Washington, DC 20418*

Daie, Jaleh

*Senior Science Advisor and Professor
Office of the Senior Vice President for Academic
Affairs
University of Wisconsin
329 Birge Hall
Madison, WI 53706-1559*

Dalrymple, Brent

*Dean and Professor
Oregon State University
College of Oceanic and Atmospheric Sciences
Oceanography Administration Building 104
Corvallis, OR 97331 -5503*

Deloatch, Eugene

*Dean, School of Engineering
Morgan State University
Baltimore, MD 21239*

Denton, Denice

*Associate Professor
University of Wisconsin at Madison
Department of Electrical and Computer Engineering
Madison, WI 53706-1691*

Dickison, Alexander

*Professor of Physics and Chair
Seminole Community College
100 Weldon Boulevard
Sanford, FL 32773-6199*

Donaldson, James

*Professor, Department of Mathematics
Howard University
2441 6th Street, NW
Washington, DC 20071*

Douglas, Ronald

*Vice Provost for Undergraduate Studies and
Professor of Mathematics
State University of New York at Stony Brook
E3350 Main Library
Stony Brook, NY 11794*

Dowell, David

*Princeton University
Department of Physics
P.O. Box 708, Washington Road
Princeton, NJ 08544*

Downing, Shenyata

Xavier University
P.O. Box 120C
New Orleans, LA 70125

Doyle, Michael

Dr. D.R. Semmes Distinguished
Professor of Chemistry
Trinity University
San Antonio, TX 78212

Duffey, Mary

OWeefe Duffy
350 Fifth Avenue
New York, NY 10118

Duvall, Betty

Community College Liaison
U.S. Department of Education
600 Independence Avenue, SW
Washington, DC 20202

Eckstrand, Irene

Acting Director
National Institutes of Health
Office of Science Education
6100 Executive Boulevard, Room 5H01
Rockville, MD 20892

Edgerton, Russell

President
American Association for Higher Education
One DuPont Circle, Suite 360
Washington, DC 20036

Edgington, Samantha

Princeton University
Department of Physics
P.O. Box 708, Washington Road
Princeton, NJ 08544

Erdman, Carl

Director of Academic Development and Foundation
Coalition
Texas A&M University
Division of Educational Programs Research
2037 WERC College Station TX 77843-3126

Ernst, Edward

Allied Signal Professor of Engineering
University of South Carolina
College of Engineering
Swearingen Engineering Center
Columbia, SC 29208

Falconer, Etta

Associate Provost for Science Programs and Policy
Spelman College Box 1005
350 Spelman Lane Atlanta, GA 30314

Feldberg, Melissa

Wesleyan University
Department of Earth and Environmental Sciences
265 Church Street
Middleton CT 06459

Ferguson, Pamela

President
Grinnell College
P.O. Box 805
Grinnell, IA 50112

Ferguson, Veronique

Bronx Community College
University Avenue/West 181st Street
231 Colston Hall
Bronx, NY 10453

Florman, Samuel

Vice President
Kreiser Borg Florman Construction Company
97 Montgomery Street
Scarsdale, NY 10583

Forman, Susan

Director of College & University Programs
Mathematical Sciences Education Board
National Research Council
2101 Constitution Avenue, NW, HA 476
Washington, DC 20418

Fortenberry, Norman

National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Foster, Anthony

Bronx Community College
University Avenue/West 181st Street
231 Colston Hall
Bronx, NY 10453

Friedel, Janice Nagra

President
Lexington Community College
209 Oswald Building, Cooper Drive
Lexington, KY 40506-0235

Fromm, Eli

*Vice Provost for Research and Graduate Studies
32nd and Chesnut Streets
Philadelphia, PA 19104*

Froyd, Jeffrey

*Professor of Electrical and Computer Engineering
Rose-Hulman Institute of Technology
Department of Electrical and Computer Engineering
5500 Wabash Avenue
Terre Haute, IN 47803*

Fuchs, Bruce

*National Institutes of Health
Office of Education
6121 Executive Boulevard, Suite 450
Rockville, MD 20854*

Gabriel, Clifford

*Executive Director
American Institute of Biological Sciences
730 11th Street, NW
Washington, DC 20001-4521*

Gangolli, Ramesh

*Professor of Mathematics
University of Washington
Department of Mathematics GN-50
Seattle, WA 98195*

Geary, Edward

*Coordinator for Education Programs
Geological Society of America
3300 Penrose Place
Boulder, CO 80301-9140*

Gentile, James

*Dean for the Natural Sciences
Hope College
Holland, MI 49423*

George, Melvin

*Vice President for Institutional Relations
University of Minnesota
432 Morrill Hall, 100 Church Street
Minneapolis, MN 55455*

Gerardi, Donna

*Director
National Research Council
Coordinating Council for Education
2101 Constitution Avenue, NW, HA 450
Washington, DC 20418*

Girgus, Joan

*Director, Pew Charitable Trusts
Pew Science Program in Undergraduate Education
Princeton University, Green Hall
Princeton, NJ 08544*

Glass, Sandra

*Program Vice President
W.M. Keck Foundation
555 South Flower Street, Suite 3230
Los Angeles, CA 90071*

Goldberg, David

*Professor
University of Illinois at Urbana Champaign
Department of General Engineering
104 South Matthews Avenue
Urbana, IL 61801*

Gonzalez, Mario

*Associate Vice Chancellor
University of Texas System
601 Colorado Street
Austin, TX 78701-2982*

Goroff, Daniel

*Professor, Department of Mathematics
Harvard University
Cambridge, MA 02138-2901*

Greenhouse, Cheryl

*Media Relations Associate
National Research Council
Office of News and Public Information
2101 Constitution Avenue, NW
Washington, DC 20418*

Greenwood, MRC

*Associate Director for Science
Office of Science and Technology Policy
Executive Office of the President
17th and Pennsylvania Avenue, NW
Washington, DC 20500*

Groat, Charles

*Executive Director
Louisiana State University
Center for Coastal, Energy, and Environmental
Resources
Baton Rouge, LA 70803*

Hackerman, Norrnan

*Chairman, Scientific Advisory Board
The Welch Foundation
4605 Post Oak Place, Suite 200
Houston, TX 77027*

Haddad, Jerrier

*President
Accreditation Board for Engineering and
Technology
162 Macy Road
Briarcliff Manor, NY 10510*

Harrison, David

*Director, Advanced Integrated Manufacturing
Center
Sinclair Community College
444 West Third Street
Dayton, OH 45402-1460*

Hata, David

*Department Head
Portland Community College/Intel Corporation
Microelectronics Technology
1705 SE 29th Avenue
Portland, OR 97214*

Hatcher, Robert

*Distinguished Scientist and Professor
University of Tennessee/Oak Ridge
National Laboratory
Department of Geological
301 G and G Building
Knoxville, TN 37996-1410*

Hawkins, William

*Director, SUMMA
Mathematical Association of America
1529 18th Street, NW
Washington, DC 20036*

Haynes, John

*Professor of Biology
Morehouse College
Department of Biology
830 Westview Drive, SE
Atlanta, GA 30314*

Hazen, Robert

*Professor
George Mason University
5251 Broad Branch Road, NW
Washington, DC 20015*

Herschbach, Dudley

*Baird Professor of Science
Harvard University Department of Chemistry
12 Oxford Street
Cambridge, MA 02138*

Hill, Constance

*Environmental Protection Specialist
Federal Highway Administration Environmental
Quality Branch
400 7th Street, SW
HEP-42 Room 3240
Washington, DC 20590*

Hill, Wendell

*University of Maryland
Institute for Physical Science & Technology
College Park, MD 20742*

Hixson, Susan H.

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard
Arlington, VA 22230*

Hodge, Daniel

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard
Arlington, VA 22230*

Holton, Gerald

*Mallinckrodt Professor of Physics and History of
Science
Harvard University, Department of Physics
358 Jefferson Physical Laboratory
Cambridge, MA 02138*

Hoopes, Laura

*Vice President and Dean of the College
Pomona College
Claremont, CA 91711*

Horn, Christine

*The Catholic University of America
Chemistry Department
Washington, DC 20064*

Houston, Johnny

*Professor, Math and Computer Science
Elizabeth City State University
Elizabeth City, NC 27909*

Howell, Kathleen

*Professor of Aeronautics and Astronautics
Purdue University
West Lafayette, IN 47907*

Huang, Alice

*Dean for Science
New York University
6 Washington Square North
New York, NY 10003*

Hughes Hallett, Deborah

*Professor of Mathematics
Harvard University
Cambridge, MA 02138*

Hunt, William

*Professor of Electrical Engineering
Georgia Institute of Technology
School of Electrical and Computer Engineering
Atlanta, GA 30332-0250*

Hutchings, Patricia

*Director, Teaching Initiative
American Association of Higher Education
One DuPont Circle, Suite 360
Washington, DC 20036*

Jaco, William

*Executive Director
American Mathematical Society
P.O. Box 6248
Providence, RI 02904-2213*

Jarmul, David

*Director of Communications
Howard Hughes Medical Institute
4000 Jones Bridge Road
Chevy Chase, MD 20815*

Johann, Eileen Delgado

*Miami-Dade Community
College at Kendall
11011 SW 104th Street
Miami, FL 33176*

Johnson, Raymond

*Professor and Chair, Department of Mathematics
University of Maryland
College Park, MD 20742-0001*

Jones, Therese

*Chairman, Division of Sciences and Engineering
Amarillo College
P.O. Box 447
Amarillo, TX 79178-0001*

Joyner, Jacquelyn Scotton

*Mathematics Instructional Specialist
Richmond Public Schools
Department of Instruction
301 North 9th Street, 12th Floor
Richmond, VA 23219*

Jungeck, John

*Professor, Department of Biology
Beloit College
700 College Street
Beloit, WI S3511*

Justus, Joyce

*Office of Science Technology Policy
Room 432, Old Executive Office Building
17th and Pennsylvania Avenue, NW
Washington, DC 20500*

Kahle, Jane

*Condit Professor of Science Education
Miami University
418 McGuffey Hall
Oxford, OH 45056*

Kennedy, Donald

*Bing Professor of Environmental Studies
Stanford University
Encina Hall 200
Stanford, CA 94305-6055*

Kennedy, Ian

*Professor and Vice Chairman
University of California
Department of Mechanical and
Aeronautical Engineering
Davis, CA 95616*

Keynes, Harvey

*Professor of Mathematics
University of Minnesota
127 Vincent Hall
Minneapolis, MN 55455*

Khoury, Bernard

*Executive Director
American Association of Physics Teachers
One Physics Ellipse
College Park, MD 20740*

Kincaid, W. Brad

*Mesa Community College
Department of Life Science
1833 West Southern Avenue
Mesa, AZ 85202*

Klausner, Richard

*National Institutes of Health
National Institute of Child Health and
Human Development
Building 18T, Room 101
Bethesda, MD 20892*

Korshin, Caryn

*Program Officer
Exxon Education Foundation
225 East John W. Carpenter Freeway
Irving, TX 75062-2298*

Kowalski, Frank

*Professor of Physics
Colorado School of Mines
Golden, CO 80401*

Kraus, Pamela

*University of Washington
Department of Physics
Physics FM-15
Seattle, WA 9819*

Krylova, Irina

*The Catholic University of America
Chemistry Department
Washinaton4 DC 20064*

Kulacki, Francis

*Dean, Institute of Technology
University of Minnesota
105 Walter Library
117 Pleasant Street, SE
Minneapolis, MN 55455*

Labov, Jay

*Study Director, Committee on Undergraduate
Science Education
National Research Council
2101 Constitution Avenue, NW
Washington DC 20418*

Lacampagne, Carole

*Senior Research Associate in Mathematics
U.S. Department of Education
Institute for Student Achievement, Curriculum, and
Assessment
555 New Jersey Avenue, NW
Washington DC 20208-5649*

Lane, Neal

*Director
National Science Foundation
4201 Wilson Boulevard
Arlington VA 22230*

Lappan, Glenda

*Professor, Department of Mathematics
Michigan State University
101 Wills House
East Lansing, MI 48824*

Laws, Priscilla

*Professor of Physics
Dickinson College
P.O. Box 1773
Carlisle, PA 17013*

Lee, Peter

*Dean, College of Engineering
California Polytechnic State University
Grand Avenue
San Luis Obispo, CA 93407*

Leitzel, James

*Associate Professor of Mathematics
University of Nebraska at Lincoln
Department of Mathematics & Statistics
Box 8800323
Lincoln, NE 68588-0323*

Leitzel, Joan

*Senior Vice Chancellor
University of Nebraska at Lincoln
Academic Affairs
202 Canfield Administration Building
Lincoln, NE 68588-0420*

Lester, William

*Senior Fellow for Science & Engineering
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Levitan, Herbert

*Section Head, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Lawrence, Bettye

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard
Arlington, VA 22230*

Lewis, Donald

*Professor of Mathematics
University of Michigan
Angell Hall
Ann Arbor, MI 48109-1003*

Lewis, Margaret

*Director of Applied Technology and Vocational
Education
School Board of Brevard County
Department of Curriculum Services
2700 Street Johns Street
Viera, FL 32940*

Lichter, Robert

*Executive Director
The Camille and Henry Dreyfus Foundation, Inc.
555 Madison Avenue, Suite 1305
New York, NY 10022-3301*

Lightbourne, James

*Program Director
National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Lindquist, Mary

*Callaway Professor of Mathematics Education
Columbus College
Curriculum Instruction
Columbus, GA 31901*

Lisensky, George C.

*Professor of Chemistry
Beloit College
Beloit, WI 53511*

Lohmann, Jack

*Associate Dean for Academic Affairs
Georgia Institute of Technology
College of Engineering
Room 302 Administration Building
Atlanta, GA 30332-0360*

Long, Sharon

*Professor of Biology
Stanford University
216 Gilbert Laboratories
Stanford, CA 94305-5020*

Madison, Bernard

*Dean, Fulbright College of Arts and Sciences
Fullbright College, Main 525
Fayetteville, AR 72701-3025*

Mahlab, Minna

*Research Assistant
National Research Council Committee on
Undergraduate
Science Education
2101 Constitution Avenue, NW
Washington, DC 20418*

Mahood, Gail

*Professor of Geological and Environmental Sciences
Stanford University, MC 2115
Stanford, CA 94305-2115*

Malcom, Shirley

*Head, American Association for the
Advancement of Science
Directorate for Education and Human Resources
1333 H Street, NW
Washington, DC 20005*

Marshall, Diane

*Associate Professor of Biology
University of New Mexico
Department of Biology
Albuquerque, NM 87131*

Mateja, John

*Deputy Program Manager
U.S. Department of Energy
Office of Science Education Programs
1000 Independence Avenue, SW
Washington, DC 20585*

Matthews, Pamela

Associate Dean of Mathematics
Mt. Hood Community College
26000 SE Stark Street
Gresham, OR 97030

Mays, Marilyn

President, AMATYC and Professor of
Mathematics and Computer Science
North Lake College
5001 MacArthur Boulevard
Irving, TX 75038-3899

Mazur, Eric

Professor of Physics
Harvard University
Department of Applied Sciences
29 Oxford Street
Cambridge, MA 02138

McBride, Duncan

Section Head, EHR/DUE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

McDermott, Lillian

Professor of Physics
University of Washington, Physics FM- 15
Seattle, WA 98195

McKenney, James

Director, Economic Development
American Association of Community Colleges
One DuPont Circle, Suite 410
Washington, DC 20036

McWethy, Patricia

Executive Director
National Science Education Leadership Association
P.O. Box 5556
Arlington, VA 22205

Merritts, Dorothy

Associate Professor, Department of Geosciences
Franklin and Marshall College
Lancaster, PA 17604-3003

Mertzman, Stanley

Professor of Geosciences
Franklin and Marshall College
P.O. Box 3003
Lancaster, PA 17604-3003

Metzger, Norman

Executive Director
Commission on Physical Sciences, Mathematics, and
Applications
National Research Council
2101 Constitution Avenue, NW
Washington, DC 20418

Miller, Catherine

32nd and Chestnut Streets
Philadelphia, PA 19104

Minster, Jean-Bernard

Professor of Geophysics and
Director, System-wide Institute of
Geophysics and Planetary Physics
University of California at San Diego
Scripps Institution of Oceanography
La Jolla, CA 92093-0225

Mohrig, Jerry

Professor of Chemistry
Carleton College
Department of Chemistry
Northfield, MN 55057

Molter, Lynne

Associate Professor of Engineering
Swarthmore College
Department of Engineering
500 College Avenue
Swarthmore, PA 19081

Monroe, Mary Beth

Physics Instructor
Southwest Texas Junior College
2401 Garner Field Road
Uvalde, TX 78801-6297

Moore, C. Bradley

Professor of Chemistry
University of California at Berkeley
Berkeley, CA 94720-1460

Moore, John A.

Professor Emeritus of Biology
University of California
Department of Biology
900 University Avenue
Riverside, CA 92521

Moore, Lawrence

Duke University
Department of Mathematics
P.O. Box 90320
Durham, NC 27708-0251

Moore, Penny

Piedmont High School
800 Magnolia
Piedmont, CA 94611

Morawetz, Cathleen

Professor Emeritus
CIMS--New York University
251 Mercer Street
New York, NY 10012-110

Moyé, Alfred

University Relations Manager
Hewlett-Packard Company
1501 Page Mill Road, MS 3L7
Palo Alto, CA 94304

Nally, Terry

American Chemical Society
Educational Division
1155 - 16th Street, NW
Washington, DC 20020

Neale, Bridget

Harvard University
Department of Mathematics
Cambridge, MA 02138

Narum, Jeanne

Director, Independent Colleges Office
Project Kaleidoscope
1730 Rhode Island Avenue, Suite 1205
Washington, DC 20036

Nocera, Daniel

Professor of Chemistry
Michigan State University
Department of Chemistry
East Lansing, MI 48824

O'Brien, Ruth

Staff Associate
Commission on Physical Sciences, Mathematics, and
Applications
National Research Council
2101 Constitution Avenue, NW
Washington, DC 20418

O'Connell, Suzanne

Assistant Professor
Wesleyan University
Department of Earth and Environmental Sciences
265 Church Street
Middleton, CT 06459

Offenbacher, Jeanette

Senior Project Assistant
National Research Council
Coordinating Council for Education
2101 Constitution Avenue, NW, HA 450
Washington, DC 20418

O'Keefe, John

O'Keefe Duffy
350 Fifth Avenue
New York, NY 10118

Oliver, Michael

Inverness Research Associates
5545 Trinhardt Drive
Fairway, KS 66205

Olson, Steve

7608 Sebago Road
Bethesda, MD 20817

Osheroff, Douglas

Chairman and Professor of Physics
Stanford University
Varian Physics, Room 108
Stanford, CA 94305-4060

Oyewole, Sandra Herndon

National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Parilla, Robert

President
Montgomery College
900 Hungerford Drive
Rockville, MD 20850

Patmore, Stacey

Senior Project Assistant
National Research Council
Committee on Undergraduate Science Education
2101 Constitution Avenue, NW
Washington, DC 20418

Perpich, Joseph

*Vice President, Grants and Special Programs
Howard Hughes Medical Institute
4000 Jones Bridge Road
Chevy Chase, MD 20815*

Perry, Robert

*Associate Professor of Physics
Ohio State University
174 West 18th Avenue
Columbus, OH 43210*

Phillips, Monte

*Professor of Civil Engineering
University of North Dakota
Box 8115
Grand Forks, ND 58202-8115*

Pierce, David

*President
American Association of Community Colleges
One DuPont Circle, NW, Suite 410
Washington, DC 20036*

Pine, Stanley

*Professor of Chemistry
California State University
Los Angeles, CA 90032*

Pings, Cornelius

*President
Association of American Universities
One DuPont Circle, Suite 730
Washington, DC 20036*

Pister, Karl

*Chancellor
University of California at Santa Cruz
296 McHenry Library
Santa Cruz, CA 95064*

Pollack, Kerstin

*Acting Director
National Research Council
Board on Engineering Education
2101 Constitution Avenue, NW
Washington, DC 20418*

Pollard, Beth

*National Research Council
Coordinating Council for Education
2101 Constitution Avenue, NW, HA 450
Washington, DC 20418*

Poodry, Clifton

*Director, National Institutes of Health
Minority Opportunities Research Division
45 Center Drive, Suite 2AS.37
Bethesda, MD 20892-6200*

Prados, John

*Senior Education Associate
National Science Foundation
Engineering Education and Centers Division
4201 Wilson Boulevard, Room 585
Arlington, VA 22230*

Prakash, Ravi

*Embassy of India
Science Counselor
2536 Massachusetts Avenue, NW
Washington, DC 20008*

Prelas, Mark

*Professor of Nuclear Engineering
University of Missouri
Columbia, MO 65211*

Quinn, Helen

*Senior Staff Specialist
Stanford Linear Accelerator Center
Theoretical Physics, Education and
Public Outreach
P.O. Box 4349
Stanford, CA 94309*

Ramirez, Martin

*Greenfield Academic Director
UDM Engineering and Science
4001 W. McNichols Road
P.O. Box 19900
Detroit, MI 48219*

Rasaq, Ramon

*Bronx Community College
University Avenue/West 181st Street
231 Colston Hall
Bronx, NY 10453*

Ray, Janet

*Seattle Central Community College
Mathematics Department, BE 5104
1701 Broadway
Seattle, WA 98122*

Razzaghi, Amir

Princeton University
Department of Physics
P.O. Box 708, Washington Road
Princeton, NJ 08544

Reynolds, Ann

Chancellor
City University of New York
535 East 80th Street, Room M700
New York, NY 10021

Rhoades, Sandra

Smith College
Department of Mathematics
Northampton, MA 01063-001

Richtol, Herbert M.

Program Director
National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Ridgway, Kenneth

Purdue University
Department of Earth and Atmospheric Sciences
1397 CIVIL Building
West Lafayette, IN 47907-1397

Ridky, Robert

Professor of Geology
University of Maryland
College Park, MD 20742

Rigden, John

Director of Physics Programs
American Institute of Physics
One Physics Ellipse
College Park, MD 20740

Roden, Christie

University of Wisconsin at Madison
Department of Plant Pathology
1630 Linden Drive
Madison, WI 53706

Rodi, Stephen

Division Chair
Austin Community College, Rio Grande
Mathematics and Physical Sciences
1212 Rio Grande Street
Austin, TX 78701-1785

Romig, Phillip

Professor and Head of Department
Colorado School of Mines
Department of Geophysics
Golden, CO 80401

Roohk, Bonita

Golden West College
Department of Biological Sciences
15744 Golden West Road
Huntington Beach, CA 92647

Rosa, Victoria

The Catholic University of America
Chemistry Department
Washington, DC 20064

Rosamilia, Armand

The Catholic University of America
Chemistry Department
Washington, DC 20064

Rosser, James

President
California State University at Los Angeles
5151 State University Drive
Los Angeles, CA 90032

Roy, Swati Dutta

Princeton University
Department of Physics
P.O. Box 708, Washington Road
Princeton NJ 08544

Sampson, Kirsten A.

Program Officer
National Research Council
2101 Constitution Avenue, NW, HA 450
Washington, DC 20418

Sarquis, Arlyne

Director, Center for Chemical Education
Miami University
4200 East University Boulevard
Middletown, OH 45042

Sawrey, Barbara

Vice Chair
University of California at San Diego
Department of Chemistry and Biochemistry
9500 Gilman Drive
La Jolla, CA 92093-0303

Schneiderman, Jill

*U.S. Senate Office of Senator Tom Daschle
Hart Senate Office Building, Room 509
Washington, DC 20510*

Schneider, Carol

*Executive Vice President
Association of American Colleges and Universities
1818 R Street, NW
Washington, DC 20009*

Schowengerdt, Frank

*Vice President for Academic Affairs and Dean of
Faculty
Colorado School of Mines
Golden, CO 80401*

Schuster, Gary

*Dean, College of Science
Georgia Tech
Atlanta, GA 30332-0400*

Sechrist, Chalmers F.

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard
Arlington, VA 22230*

Shearer, Clement

*Dean for Budget and Planning and Professor of
Geology
Carleton College
One North College Street
Northfield, MN 55057*

Shiflett, Ray C.

*Executive Director
California Polytechnic University at Pomona
Office of External Relations
3801 West Temple
Pomona, CA 91768*

Simpson, Patricia

*Associate Professor, Science Education and Biology
St. Cloud State University
720 4th Avenue South
St. Cloud, MN 56301*

Sjoerdsma, Ted

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Snow, John

*Dean, College of Geosciences
University of Oklahoma
Sarkeys Energy Center
100 East Boyd, Suite 710
Norman, OK 73019-0628*

Spencer, James

*Atlantic Philanthropic Service Company
120 East Buffalo Street
Ithaca, NY 14850*

Squitieri, Louise

*Professor of Biology
Bronx Community College
University Avenue/West 181st Street
231 Colston Hall
Bronx, NY 10453*

Stacy, Angelica

*Professor, College of Chemistry
University of California at Berkeley
Berkeley, CA 94720*

Stakgold, Ivar

*Director, American Mathematical Society
Washington Office
1527 Eighteenth Street, NW
Washington, DC 20036*

Steen, Lynn

*Executive Director
Mathematical Sciences Education Board
2101 Constitution Avenue, NW, HA 476
Washington, DC 20418*

Stellar, Diana

*Hartnell College
798 Pine Street, #2
Monterey, CA 93940*

Stewart, Barbara

*Associate Professor of Biology
Swarthmore College
Department of Biology
Swarthmore, PA 19081*

Stewart, Joanne

*Associate Professor of Chemistry
Hope College
65 Eustis Street, # 1
Cambridge, MA 02140*

Stith, James

*Professor of Physics
Ohio State University
Department of Physics
174 West 18th Avenue
Columbus, OH 43210- 1106*

Stoddart, Trish

*Associate Professor
University of California at Santa Cruz
Department of Education
211 Crown College
Santa Cruz, CA 95064*

Stone, David

*Professor, Department of Mathematics and
Computer Science
Georgia Southern University
Landrum Box 8093
Statesboro, GA 30460-8093*

Stout, Dorothy

*Professor of Geosciences
Cypress College
Physical Sciences Department
9200 Valley View Street
Cypress, CA 90630*

Straley, Tina

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Straumanis, Joan

*Program Officer
U.S. Department of Education
Fund for the Improvement of Post Secondary
Education
7th & D Streets, SW, ROB-3, Room 3100
Washington, DC 20202-5175*

Strobel, Kevin

*University of Minnesota at Minneapolis
Mathematics Department
206 Church Street, SE
Minneapolis, MN 55455*

Suiter, Marilyn

*Director, Education and Human Resources
American Geological Institute
4220 King Street
Alexandria, VA 22302-1507*

Suplee, Curt

*The Washington Post
1150 15th Street, NW
Washington, DC 20071*

Swann, Marie Johnson

*Bronx Community College
University Avenue/West 181st Street
231 Colston Hall
Bronx, NY 10453*

Sward, Marcia

*Executive Director
Mathematical Association of America
1529 Eighteenth Street, NW
Washington, DC 20036-1385*

Taylor, Jean

*Professor, Department of Mathematics
Rutgers University
Hill Center, Busch Campus
Piscataway, NJ 08855*

Teague, Daniel

*Instructor of Mathematics
North Carolina School of Science and
Mathematics
1219 Broad Street
Durham, NC 27705*

Teles, Elizabeth

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Thompson, Joe

*Director, NSF Engineering Research Center for
Computational Field Simulation
Mississippi State University
P.O. Drawer 6176
Mississippi State, MS 39762*

Thompson, Jr., Albert

*Chair and Professor of Chemistry
Spelman College
Box 281
Atlanta, GA 303144399*

Tobias, Sheila

*Research Corporation
724 North Campbell Avenue
Tucson, AZ 85719*

Trefil, James

Clarence J. Robinson Professor of Physics
George Mason University
Department of Physics
207 East Building
Fairfax, VA 22030

Tucker, Alan

Distinguished Teaching Professor
State University of New York
Department of Applied Mathematics and Statistics
Stony Brook, NY 11794-3600

Turro, Nicholas

Professor of Chemistry
Columbia University
Box 610, Havemeyer Hall
New York, NY 10027

Udomprasert, Patricia

Princeton University
Department of Physics
P.O. Box 708, Washington Road
Princeton, NJ 08544

Verosub, Kenneth

Professor, Department of Geology
University of California at Davis
Davis, CA 95616

Waintraub, Jack

Department Chair and Professor
Middlesex County College
Department of Physics/Electrical Engineering
Technology
Edison, NJ 08818-3050

Walker, Graham

Professor of Biology
Massachusetts Institute of Technology
Department of Biology, 68-633
Cambridge, MA 02139

Ward, Samuel

University of Arizona Department of Life Sciences
MCB South 444, Park & Lowell
Tucson, AZ 85721

Warner, Frank

Associate Dean and Professor of Mathematics
University of Pennsylvania
Schools of Arts and Sciences
116 College Hall
Philadelphia, PA 19104-6377

Watson, Robert

Director, National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

West, Russell

The Catholic University of America
Chemistry Department
Washington, DC 20064

Wettack, F. Sheldon

Vice President and Dean of the Faculty
Harvey Mudd College
301 East 12th Street
Claremont, CA 91711

Wigdor, Alexandra K.

Director, Commission on Behavioral and Social
Sciences and Education
Division on Education, Labor and Human
Performance
National Research Council
2101 Constitution Avenue, NW, HA 178
Washington, DC 20418

Wilkinson, David

Professor of Physics
Princeton University
P.O. Box 708, Washington Road
Princeton, NJ 08544

Williams, Antoine

The Catholic University of America
Chemistry Department
Washington, DC 20064

Williams, Luther

Assistant Director, National Science Foundation
Directorate for Education and Human Resources
4201 Wilson Boulevard, Room 805
Arlington, VA 22230

Williams, Paul

Professor, Department of Plant Pathology
University of Wisconsin at Madison
1630 Linden Drive
Madison, WI 53706

Williams, Richard

Dean, College of Engineering
California State University at Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840

Williams, Theodore

*Professor, Department of Chemistry
College of Wooster
943 College Avenue
Wooster, OH 44691*

Wilson, Jack

*Dean, Undergraduate and Continuing Education
Rensselaer Polytechnic Institute
C11 Room 4011
Troy, NY 12180*

Witte, Robert

*Senior Program Officer
Exxon Education Foundation
225 E. John W. Carpenter Freeway
Irving, TX 75062-2298*

Wong, Tamae

*Senior Program Officer
Commission on Physical Sciences, Mathematics, and
Applications
National Research Council
2101 Constitution Avenue, NW
Washington, DC 20418*

Woodin, Terry

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Wood, Sally

*Professor, Department of Electrical Engineering
Santa Clara University
Santa Clara, CA 95053*

Woolsey, Suzanne H.

*Chief Operations Officer
National Research Council
2101 Constitution Avenue, NW
NAS 206
Washington, DC 20418*

Wubbels, Gene

*National Science Foundation
Division of Undergraduate Education
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Wyche, James

*Associate Provost
Brown University
Campus Box 1963
Providence, RI 02912*

Zare, Richard

*Professor of Chemistry
Stanford University
Stanford, CA 94305*

Zdravkovich, Vera

*Dean of Science, Mathematics and Health
Technology
Prince George's Community College
301 Largo Road
Largo, MD 20772*

The EHR Advisory Committee

CHAIR: James M. Rosser

VICE-CHAIR: Kerry Davidson

Susan Agruso

Director, Authentic Assessment
State Department of Education
Columbia, SC

Edward W. Bales

Director of Education, External Systems
Motorola Corporate Offices
Schaumburg, IL

Joan Barber

Director for Student Life
North Carolina School
of Science and Mathematics
Durham, NC

George Boggs

President
Palomar College
San Marcos, CA

Sadie Bragg

Acting Dean of Academic Affairs
City University of New York
Borough of Manhattan
Community College
New York, NY

Diane J. Briars

Mathematics Specialist
Office of Educational Design
and Assessment,
Pittsburgh Public Schools
Pittsburgh, PA

Kerry Davidson

Deputy Commissioner,
Academic Affairs and Research
Louisiana Board of Regents
Baton Rouge, LA

Alfredo G. de los Santos, Jr.

Vice Chancellor
for Educational Development,
Maricopa Community Colleges
Tempe, AZ

Denice D. Denton

Professor,
Electrical and Computer Engineering,
University of Wisconsin, Madison
Madison, WI

Charlotte K. Frank

Vice President,
Research and Development
The McGraw-Hill Companies
New York, NY

Alan J. Friedman

Director
New York Hall of Science
Flushing Meadows Corona Park, NY

Melvin D. George

President Emeritus
St. Olaf College
Northfield, MN

Peter Gerber

MacArthur Foundation
Chicago, IL

N. Gerry House

Superintendent
Memphis Public Schools
Memphis, TN

Jane Butler Kahle

Condit Professor
of Science Education
Miami University
Oxford, OH

Charlotte Keith

Indian Trail High School
Olathe, KS

Mary M. Lindquist

School of Education
Columbus College
Columbus, GA

Stanley S. Litow

Director, Corporate Support Programs
International Business Machines
Corporation
Armonk, NY

Jack R. Lohmann

Associate Dean,
College of Engineering
Georgia Institute of Technology
Atlanta, GA

Charles Merideth

President
New York City Technical College
Brooklyn, NY

Robert E. Parilla

President,
Montgomery College
Rockville, MD

Diana Garcia Prichard

Photoscience Research Division
Eastman Kodak Company
Rochester, NY

James M. Rosser

President
California State University
Los Angeles
Los Angeles, CA

David A. Sanchez

Department of Mathematics
Texas A&M University
College Station, TX

Maria Santos

Supervisor,
Math and Science Department
San Francisco Unified School District
San Francisco, CA

Robert Schwartz

The Pew Charitable Trusts
Philadelphia, PA

Calvert H. Smith

Office of Systemic Reform
State of Ohio
Cincinnati, OH

Gwendolyn W. Stephenson

Chancellor
St. Louis Community College System
St. Louis, MO

Uri Treisman

Department of Mathematics
University of Texas at Austin
Austin, TX

Leon Ukens

Department of Physics
Towson State University
Towson, MD

Donna L. York

Science Curriculum Coordinator
Anchorage School District
Anchorage, AK

EHR Committee Responsible for the Report
***Shaping the Future: New Expectations for Undergraduate Education in
Science, Mathematics, Engineering, and Technology***

Melvin D. George
President Emeritus
St. Olaf College (MN)
Chair

Sadie Bragg
Acting Dean of Academic Affairs,
City University of New York
Borough of Manhattan Community College (NY)

Mary M. Lindquist
School of Education
Columbus College
Columbus, GA

Alfredo G. de los Santos, Jr.
Vice Chancellor for Educational Development
Maricopa Community Colleges (AZ)

James M. Rosser
President
California State University, Los Angeles

Denice D. Denton
Professor of Electrical and Computer Engineering
University of Wisconsin - Madison

David A. Sanchez
Department of Mathematics
Texas A&M University

Peter Gerber
The MacArthur Foundation
Chicago, IL

Carolyn Meyers
Dean of Engineering,
North Carolina A&T State University
Consultant to the Committee

**NRC Center for Science, Mathematics, and Engineering
Education Committee on Undergraduate Education**

C. Bradley Moore*
*Department of Chemistry
University of California at Berkeley
Chair*

Isaac D. Abella

University of Chicago

Neal B. Abraham

Bryn Mawr College (PA)

George Boggs

*Superintendent/President
Palomar College (CA)*

Denice Denton

*Professor of Engineering
University of Wisconsin -
Madison*

Michael P. Doyle

Trinity University

Marye Anne Fox*

*Vice President for Research
University of Texas - Austin*

Dorothy Gabel

Indiana University

Ramesh Gangolli

University of Washington

Frederick T. Graybeal

ASARCO Incorporated

Norman Hackerman*

*The Robert A. Welch
Foundation*

John K. Haynes

Morehouse College (GA)

Eileen Delgado Johann

*Miami-Dade Community
College*

William E. Kirwan

*President
University of Maryland*

Paul J. Kuerbis

The Colorado College

Sharon Long*

*Professor of Biology
Stanford University (CA)*

Dorothy Merritts

*Franklin and Marshall College
(PA)*

John A. Moore*

*University of California -
Riverside*

Penny Moore

Piedmont High School

W. Ann Reynolds

City University of New York

James H. Serum

Hewlett-Packard, Inc.

David T. Wilkinson*

Princeton University (NJ)

** Member, National Academy of Sciences*

NRC "Year of Dialogue" Steering Committee

Norman Hackerman

The Robert A. Welch Foundation
Chair

Hyman Bass

Department of Mathematics
Columbia University (NY)

Glenda Lappan

Michigan State University

Denice Denton

Professor of Engineering
University of Wisconsin - Madison

Sharon Long

Professor of Biology
Stanford University

Ramesh Gangolli

University of Washington

C. Bradley Moore

Department of Chemistry
University of California at Berkeley

Melvin George

President Emeritus
St. Olaf College (MN)

Jeanne Narum

Project Kaleidoscope (DC)

Donald Kennedy

Professor of Biology
Stanford University (CA)

Karl S. Pister

Chancellor
University of California - Santa Cruz

Harvey Keynes

University of Minnesota

Participants in the EHR Advisory Committee Public Hearings on Undergraduate Education in SME&T

Disciplinary Perspectives

Convened October 23, 1995: UNDERGRADUATE SME&T EDUCATION – **MRC Greenwood**, Dean of Graduate Studies, University of California, Davis (CA) ♦ BIOLOGICAL SCIENCES – **Rita Colwell**, Professor and President, AAAS University of Maryland, College Park (MD) ♦ MATHEMATICAL SCIENCES – **Alan Tucker**, Professor of Mathematics, State University of New York, Stony Brook (NY) ♦ ENGINEERING – **Eleanor Baum**, Dean of Engineering, Cooper Union (NY); **Winfred Phillips**, Dean of Engineering, University of Florida (FL) ♦ COMPUTER SCIENCES – **Peter Denning**, Professor of Computer Sciences, George Mason University (VA) ♦ TECHNOLOGY – **Don Gentry**, Dean of Engineering Technology, Purdue University (IN); **Durward Huffman**, President, Northern Maine Technical College (ME) ♦ CHEMISTRY – **Ernest Elial**, Professor of Chemistry, University of North Carolina, Chapel Hill (NC); **Angelica Stacy**, Professor of Chemistry, University of California, Berkeley (CA) ♦ PHYSICS – **Robert Hilborn**, Professor and President, AAPT, Amherst College (MA); **Eric Mazur**, Professor of Physics, Harvard University (MA) ♦ GEOLOGICAL SCIENCES – **Tanya Atwater**, Professor of Geology, University of California, Santa Barbara (CA).

Institutional Perspectives

Convened October 25, 1995: **Pamela Ferguson**, President, Grinnell College (IA) ♦ **Thomas Morris**, President, Emory and Henry College (VA) ♦ **Bruce Leslie**, President, Onondaga Community College (NY) ♦ **Gwendolyn Stephenson**, Chancellor, St. Louis Community College System (MO) ♦ **David Pierce**, President, American Association of Community Colleges (DC) ♦ **Frederick Humphries**, President, Florida A&M University (FL) ♦ **William Kerwan**, President, University of Maryland, College Park (MD) ♦ **Paula Brownlee**, President, American Association of Colleges and Universities (DC) ♦ **Saul Fenster**, President, New Jersey Institute of Technology (NJ) ♦ **Judith Ramaley**, President, Portland State University (OR) ♦ **David Ward**, President, University of Wisconsin, Madison (WI) ♦ **Homer Neal**, Interim President, University of Michigan (MI).

Employers' Views

Convened November 1, 1995: **Walter Amprey**, Superintendent, Baltimore Public Schools (MD) ♦ **Eugene Galanter**, Professor of Psychology, Columbia University (NY) ♦ **Peggy Cole**, Director, Program Planning, New York Hall of Science (NY) ♦ **Israel Joseph Galvan**, President, GHG Corporation (TX) ♦ **Alfred Moyé**, Manager, University Relations, Hewlett Packard Company (CA) ♦ **John McMasters**, Principal Engineer, Boeing Commercial Airplane Group (WA) ♦ **Roberts Jones**, Executive Vice President, National Alliance of Business (DC) ♦ **John Sisler**, Manager of Exploration, Shell Oil Company (TX) ♦ **Patrick White**, Vice President, Strategy, Bell Atlantic Corporation (VA).

Social Sciences

Convened February 22, 1996: **Andrew Abbott**, Master, Social Sciences Collegiate Division, University of Chicago (IL) ♦ **John Dovidio**, Professor of Psychology, Colgate University (NY) ♦ **Ronald Ehrenberg**, Vice President, Academic Programs, Professor of Economics, Cornell University (NY) ♦ **Kenneth Foote**, Professor of Geography, University of Texas, Austin (TX) ♦ **Rochel Gelman**, Professor of Psychology, New York University (NY) ♦ **Maureen Hallinan**, Professor of Sociology, University of Notre Dame (IN) ♦ **Jill Larkin**, Professor of Psychology, Carnegie Mellon University (PA) ♦ **Nora Newcombe**, Professor of Psychology, Temple University (PA) ♦ **Neil Stillings**, Professor of Cognitive Science, Hampshire College (MA)

**Participants in the *Shaping the Future* Conference
July 11-13, 1996**

Clara I. Adams

*Vice President for Academic Affairs
Morgan State University
Cold Spring Lane & Hillen Road
Baltimore, MD 21239*

Reza Adhami

*Associate Chair & Associate Professor
Dept. of Electrical & Computer Engineering
The University of Alabama in Huntsville
Huntsville, AL 35899*

Andre Adler

*Manager, Foundations of Scientific Inquiry
Department of Physics
New York University
2-4 Washington Place, Room 256
New York, NY 10013*

Vijendra Agarwal

*Professor and Chair
Dept. of Physics/Astronomy
Moorhead State University
Moorhead, MN 56563*

Ashok K. Agrawal

*Program Consultant
Division of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Edward F. Ahnert

*President
Exxon Education Foundation
5959 Las Colinas Boulevard
Irving, TX 75039-2298*

Richard Alaniz

*Student, California State Univ., Fullerton
800 N. State College Blvd.
Fullerton, CA 92634*

Bruce Alberts

*Chairman
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418*

Deborah Allen

*Editor
W.H. Freeman and Company
825 LaBonne Parkway
St. Louis, MO 63021*

Deborah E. Allen

*Dept. of Biological Sciences
University of Delaware
209 McKinly Laboratory
Newark, DE 19716*

Joseph D. Alviani

*Executive Director
Massachusetts Technology Collaborative
75 North Drive
Westborough, MA 01581-3340*

James Ammons

*Provost, Department of Academic Affairs
Florida A&M University
301 FHAC
Tallahassee, FL 32307*

Walter G. Amprey

*Superintendent
Baltimore City Public Schools
200 East North Avenue, Suite 405
Baltimore, MD 21202*

Alan J. Anderson

*Manager, DCAC Define Implementation
Airplane Integration
P.O. Box 3707, MS 74-89
Seattle, WA 98124*

Martyn L. Apley

*Chair, Department of Sciences
Western State College of Colorado
Hurst Hall 110
Gunnison, CO 81231*

Josefina Arce

*Director, Curriculum Assessment & Dev. Ctr.
University of Puerto Rico
P.O. Box 23334
University Station
San Juan, PR 00931-3334*

Rick Aycock

*Customer Service Manager
Seal Right
P.O. Box 202
Garner, NC 27529-0202*

Pamela J. Baker

*Associate Professor of Biology & Chair
Div. of Natural Sciences
Bates College
Lewiston, ME 04268*

Rebecca A. Baker

*Department of Physics & Astronomy
Southwest Missouri State University
Springfield, MO 65804*

John Bakum

*President
Middlesex County College
155 Mill Road P.O. Box 3050
Edison, NJ 08818-3050*

E.G. Banucci

*President
Advanced Technology Materials, Inc
7 Commerce Drive
Danbury, CT 06810*

Pamela Barnhouse-Walters

*Associate Dean, College of Arts & Sciences
Indiana University - Bloomington
Kirkwood Hall, Room 104
Bloomington, IN 47405*

Celeste Bartscher

*Student, Eastern Iowa Community College
27046 183rd Avenue
Eldridge, IA 52748*

Wolfgang Bauer

*Associate Professor
Department of Physics-Astronomy
Michigan State University, Room 207
Cyclotron Laboratory
East Lansing, MI 48824-1226*

Joel Baulch

*Student
Texas State Technical College
300 College Drive
Sweetwater, TX 79556*

Michael Beals

*Professor of Mathematics., Dean, Arts & Science,
Dept. of Mathematics
Rutgers University
Hill Center, Busch Campus
New Brunswick, NJ 08903*

John Beatty

*Associate Professor
Dept. of Ecology, Evolution & Behavior
University of Minnesota
St. Paul, MN 55108*

William G. Becker

*Director, Center for Science Education
Portland State University
P.O. Box 751
Portland, OR 97107*

Glen Bedgood

*Instructor
Texas State Technical College
300 College Drive
Sweetwater, TX 79556*

Valerie J. Bergeron

*Medical Assistant Coordinator
Delaware Technical & Community. College
19 Noble Court
Newark, DE 19713*

Jaymee Bick

*Student
Dept. of Environmental Science
Salish Kootenai College
P.O. Box 117
Pablo, MT 59855*

Arlene G. Billock

*Department of Biology
University of Southwestern Louisiana
300 E. St. Mary Avenue
P.O. Box 42451
Lafayette, LA 70504*

Bruce B. Birkett

*Physics Department
University of California Berkeley #7300
Berkeley, CA 94720-7300*

Eve M. Bither

*Executive Director
Department of Education
OERI Resources Board
80 F Street, N.W.
Washington, DC 20208*

Bettye Blakney-Lawrence

*Program Consultant, EHR/DUE
Department of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

John Blong

*Chancellor
Eastern Iowa Community College District
306 West River Drive
Davenport, IA 52801-1221*

Duane D. Blumberg

*Dean, College of Sciences
Univ. of Southwestern Louisiana
P.O. Box 43290
104 University Circle
Lafayette, LA 70504-3290*

Wendy M. Blume

*Curriculum Supervisor
Culture, Science and Technology Curriculum
Community College of Philadelphia
1700 Spring Garden Street
Philadelphia, PA 19130*

Shelby J. Boardman

*Associate Dean
Carleton College
One North College Street
Northfield, MN 55057*

Howard A. Bohm

*Assistant Professor of Chemistry
Keene State College
Keene, NH 03470*

Richard Bonacci

*Publisher, Computer Science Press
W.H. Freeman
41 Madison Avenue
New York, NY 10010*

J. Jose Bonner

*Associate Chairman and Professor
Department of Biology
Indiana University
Jordan Hall 127
Bloomington, IN 47405*

John Bonte

*Chemistry Instructor
Eastern Iowa Community College District
872 14th Avenue, N.W.
Clinton, IA 52732*

Jean S. Bowen

*External Funding Officer
College of Education
The University of Georgia
Athens, GA 30602*

Myles G. Boylan

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Tom Brady

*National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Sadie C. Bragg

*Acting Dean, Academic Affairs
City University of New York
Borough of Manhattan Comm. College
199 Chambers Street
New York, NY 10007*

John Brahms

*Technical Associate
Middlesex County College
155 Mill Road
Edison, NJ 08818*

Rolando M. Branly

*Assistant Professor
Dept. of Natural Sciences
Broward Community College
Bldg. 14/128 - 3501 S.W. Davie Road
Davie, FL 33155*

Anita S. Broadus
Staff Assistant, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Paula Brownlee
President
American Association of Colleges and Universities
1818 R Street, N.W.
Washington, DC 20009

Jerry L. Bryant
Director, UNCF/Merck Science Initiative
The College Fund/UNCF
8260 Willow Oaks Corporate Drive
Fairfax, VA 22031-4511

Donald Buckley
Department of Biology
University of Hartford
200 Bloomfield Avenue
West Hartford, CT 06117

Ken Burgdorf
Senior Project Director
Westat
1650 Research Boulevard
Rockville, MD 20850

Anabelle Burghi
Student, Chemeketa Community College
4000 Lancaster Dr., N.E.
P.O. Box 14007
Salem, OR 97309-7070

Daniel D. Burke
Senior Staff Associate, EHR
The National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

William P. Butz
Division Director, SBER
National Science Foundation
4201 Wilson Boulevard, #995N
Arlington, VA 22230

Rodger W. Bybee
Executive Director
Center for Science, Mathematics
& Engineering Education
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418

Amber Campbell
Student, St. Andrews Presbyterian College
1700 Dogwood Mile
Laurinburg, NC 28352

Aldo Caporale
Consultant
Community College of Philadelphia
1700 Spring Garden Street
Philadelphia, PA 19130

Vernon B. Cardwell
Professor of Agronomy
University of Minnesota
1991 Upper Buford Circle
St. Paul, MN 55108-6026

Robin Carr
Dept. of Math & Computer Science
Drexel University
32nd and Chestnut
Philadelphia, PA 19104

Doris Carver
Dept. of Computer Science
Louisiana State University
Coates Hall, Room 298
Baton Rouge, LA 70803-4020

Frank A. Cerreto
Assistant Professor of Mathematics
The Richard Stockton College
of New Jersey
Jim Leeds Road
Pomona, NJ 08240-0195

Alverna Champion
Program Officer, EHR/ESIE
National Science Foundation
4201 Wilson Boulevard, Room 885
Arlington, VA 22230

Elaine M. Charlson

Associate Provost
University of Missouri-Columbia
114 Jesse Hall
Columbia, MO 65211

Elisabeth Charron

Co-Director, STEP Project
Montana State University
Linfield Hall
Bozeman, MT 59717

Russell Chianelli

Chair, Associate Professor, Chemistry
Chemistry Department
University of Texas at El Paso
500 W. University Drive
El Paso, TX 79968

Connie Churchill

Dean, Science/Allied Health Division
Oakton Community College
1600 E. Golf Road
Des Plaines, IL 60016

Julia Clark

Program Director, EHR/ESIE
National Science Foundation
4201 Wilson Boulevard, Room 885
Arlington, VA 22230

Allison S. Clements

Student, School of Natural Resources
University of Michigan, Ann Arbor
1320 South University #32
Ann Arbor, MI 48104

Mary E. Clutter

Assistant Director/Biological Sciences
National Science Foundation
4201 Wilson Boulevard, #605
Arlington, VA 22181

Judy F. Coakley

Budget Program Analyst
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

James W. Colby

Staff Assistant
National Science Foundation
4201 Wilson Boulevard, Room 855
Arlington, VA 22230

Arthur Cole

Acting Director
U.S. Department of Education
School Improvement Program
Portals Building, Room 4500
600 Independence Ave. S.W.
Washington, DC 20202-6140

Thomas W. Cole

President
Clark Atlanta University
223 James P. Brawley Drive
at Fair Street, S.W.
Atlanta, GA 30314

Collie Coleman

Vice President for Academic Affairs
Shaw University
118 E. South Street
Raleigh, NC 27601

Suzanne R. Coll

The Boeing Company
P.O. Box 3707, M/S 6H-PR
Seattle, WA 98124

James P. Collins

Professor, Department of Zoology
Arizona State University
Tempe, AZ 85287-1501

Lillian Cook

Chairperson, Letters Department
Panola College
1109 W. Panola
Carthage, TX 75633

Donald H. Cooley

Head, Computer Science
Department of Computer Science
Utah State University
UMC 4205
Logan, UT 84322-4205

Claire D. Cornell

Director,
College of Liberal Arts Grants Office
The University of Iowa
463 Phillips Hall
Iowa City, IA 52242

K. Jane Coulter
Deputy Administrator
Cooperative State Research, Education
& Extension
U.S. Department of Agriculture
Room 338-A, Whitten Building
14th and Independence Ave., S.W.
Washington, DC 20250

Geoff M. Cox
Vice Provost & Dean
Institutional Planning & Operations
Stanford University
Provost Office, Building 10
Stanford, CA 94305-2061

Susan E. Cozzens
Director, Office of Policy Support
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

Jack Crocker
Dean, College of Arts & Sciences
Florida Gulf Coast University
17595 S. Tamiami Trail, Suite 200
Ft. Myers, FL 33908-4500

Khela D. Cuccaro
Reporter, Education Daily
1101 King Street, #444
Alexandria, VA 22314

Patricia A. Cunniff
Director
Science & Technology Resource Center
Prince George's Community College
301 Largo Road, M-2011
Largo, MD 20774

Catherine E. Curtis
Department of Mathematics
Mount Hood Community College
26000 S.E. Stark
Gresham, OR 97030-0330

John Czaja
Professor, Department of Psychology
Miami University
107 Roudebush Hall
OAST
Oxford, OH 45056

Zeev Dagan
School of Engineering
City College of New York
Convent Avenue at 138th Street
New York, NY 10031

Joseph Dahm
Student, Department of Chemistry
Oakton Community College
1600 E. Golf Road
Des Plaines, IL 60016

Jaleh Daie
President
Association for Women in Science
AWIS Magazine
430 Lincoln Drive, Birge Hall
Madison, WI 53706-1381

Peter A. Dale
Vice Provost, Undergraduate Studies
University of California, Davis
Mark Hall, 5th Floor
Davis, CA 95616

William Dando
Chairperson and Professor
Dept. of Geography and Geology
Indiana State University
Terre Haute, IN 47809-0001

Joseph G. Danek
Senior Vice President
The Implementation Group
1420 New York Avenue, N.W.
Washington, DC 20005

Jewel Daniel
Student, Department of Biology
City College of New York
30 Rogers Avenue, Apt. 3C
Brooklyn, NY 11216

Mamani Datta
Rensselaer Polytechnic Institute
c/o 49 Benito Street
East Meadow, NY 11559

Kerry Davidson
Project Director
Louisiana Systemic Initiatives Program
150 3rd Street, Suite 129
Baton Rouge, LA 70801-1389

Lois Davis

*Education Policy Specialist
Higher Education Program/CSREES
U.S. Department of Agriculture
Washington, DC 20250-2251*

Roland L. De Lorme

*Provost and Vice President
Department for Academic Affairs
Western Washington University
516 High Street
Bellingham, WA 98225-9033*

Alfredo G. de los Santos

*Vice Chancellor, Student & Educational
Development
Maricopa Community Colleges
District Support Services Center
2411 West 14th Street
Tempe, AZ 85281-6941*

Eugene M. DeLoatch

*Dean, School of Engineering
Morgan State University
5200 Perring Parkway
Baltimore, MD 21239*

Denise Descoteaux

*Senior Producer
Addison Wesley Interactive
Jacob Way
Reading, MA 01867*

Nancy L. Devino

*Senior Program Officer
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418*

Eric L. Dey

*Assistant Professor, School of Education
University of Michigan, Ann Arbor
2117D School of Education Bldg.
Ann Arbor, MI 48109-1259*

Alexander Dickison

*Professor of Physics
Seminole Community College
100 Weldeon Boulevard
Sanford, FL 32773*

Clayton Dillon

*Founding Director
Communication Resources Assoc., Inc.
Northeastern University
176 Strasser Avenue
Westwood, MA 02090*

Elvira Doman

*Program Director
National Science Foundation
4201 Wilson Boulevard, Room 685
Arlington, VA 22230*

Michael V. Doran

*Associate Professor
School of CIS
Univ. of South Alabama, FCW-20
Mobile, AL 36688*

John E. Drumheller

*Interim Provost and Vice President for Academic
Affairs
Office of the Provost
Montana State University
212 Montana Hall
Bozeman, MT 59717*

Kelly D. DuBose

*Program Assistant
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Charles Duke

*Vice President, Academic Affairs & Dean
Grinnell College
P.O. Box 805
Grinnell, IA 50112-0805*

James F. Duke

*Instructor, Department of Science
John C. Calhoun State
Community College
P.O. Box 2216
Decatur, AL 35609-2216*

William W. Durgin

*Associate Provost for Academic Affairs
Worcester Polytechnic Institute
100 Institute Road
Worcester, MA 01609*

Herby Duverne

*Vice President, Academic Affairs,
Student Government Association
Northeastern University
332 Student Center
Boston, MA 02115*

Dave Dysinger

*Owner, Dysinger Tool and Die
2900 Dryden Road
Dayton, OH 45439*

Janice Earle

*Program Director, EHR/ESIE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Larry L. Earvin

*Dean, School of Arts & Sciences
Clark Atlanta University
James P. Brawley Dr. at Fair St. SW
Atlanta, GA 30314*

Marshall Hall Edgell

*Kenan Professor of Microbiology
Dept. of Microbiology
University of North Carolina
CB# 7290, Rm. 741 FLOB
Chapel Hill, NC 27599*

Russell Edgerton

*President, American Association for
Higher Education
One Dupont Circle, N.W., Suite 360
Washington, DC 20036*

William F. Edmonson

*President
Panola College
1109 W. Panola
Carthage, TX 75633*

John Edwards

*Program Officer, BIO/IBN
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Ryan Edwards

*Student, University of Michigan - Dearborn
c/o 6530 Woodmere Drive
Canton, MI 48187*

Betty J. Eidemiller

*Undergraduate Education Coordinator
American Society for Microbiology
1325 Massachusetts Avenue, N.W.
Washington, DC 20005*

Clarence M. Eidt

*President
Exxon Research and Education Foundation
180 Park Avenue
Florham Park, NJ 07932*

Jonathan A. Eisen

*Graduate Student, Stanford University
Herrin Hall #356
Stanford, CA 94305-5020*

Karolyn K. Eisenstein

*Program Director, MPS/CHE
National Science Foundation
4201 Wilson Boulevard, #1055
Arlington, VA 22230*

Cory Emal

*Student, Department of Chemistry
University of Nebraska-Lincoln
228 Hamilton Hall
Lincoln, NE 68588-0304*

David J. Ernst

*Associate Dean
Vanderbilt University
311 Kirkland
Nashville, TN 37240*

William Ethridge

*President
Engineering, Science & Math, College Div.
Prentice Hall Publishers
One Lake Street
Upper Saddle River, NJ 07458*

Charlene Evans

*Chairperson
Department of Computer & Engineering Tech.
Daytona Beach Community College
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114*

Neil Evans
Executive Director
Northwest Center for Emerging
Technologies
3000 Landerholm Circle, S.E. #A202
Bellevue, WA 98007-6484

Norma Sue Evers
Chairperson, Chemistry & Physics Department
Panola College
1109 W. Panola
Carthage, TX 75633

Etta Falconer
Associate Provost for Science Programs
Spelman College
Box 1005
Atlanta, GA 30314

Roya Farhoosh
Assistant Professor, Dept. of Chemistry
Saint Joseph College
1678 Asylum Avenue
West Hartford, CT 06117

Jeff Farmer
Assistant Professor, Mathematical Sciences
University of Northern Colorado
Greeley, CO 80639

Saul K. Fenster
President
New Jersey Institute of Technology
University Heights
Newark, NJ 07102

Douglas E. Fenwick
Dean, Div. of Business, Science and Technology
Community College of Philadelphia
1700 Spring Garden Street
Philadelphia, PA 19130

Victor Ferrall
Office of the President
Beloit College
700 College Street
Beloit, WI 53511

Joan Ferrini-Mundy
Director
Mathematical Sciences Education Board
National Research Council
2101 Constitution Avenue, N.W. HA 476
Washington, DC 20418

Isabella N. Finkelstein
Professor of Biology
Clark Atlanta University
Brawley and Fair Streets
Atlanta, GA 30314

P. David Fisher
Department of Electrical Engineering
Michigan State University
East Lansing, MI 48824-1226

Shawn E. Flanigan
Student, Grinnell College
1801 Windsor Court
Iowa City, IA 50112

Jean Floten
President
Bellevue Community College
3000 Landerholm Circle, S.E.
Bellevue, WA 98007

Paul A. Flowers
Associate Professor of Chemistry
Department of Physical Science
Pembroke State University
College Street
Pembroke, NC 28372

Alexander H. Fluellen
Professor and Chair
Department of Mathematical Sciences
Clark Atlanta University
James P. Brawley Dr. & Fair St. NW
Atlanta, GA 30314

Susan G. Forman
Vice President for Undergraduate Education
Rutgers University
105 Geology Hall
New Brunswick, NJ 08540

Norman L. Fortenberry
Executive Director
GEM Consortium, Central Office
P.O. Box 537
Notre Dame, IN 46556

David Foss
Environmental Coordinator
Rock Island Arsenal
28024 230th Street
LeClaire, IA 52753

Brian L. Foster

Dean, College of Arts & Sciences
University of Nebraska-Lincoln
1223 Oldfather Hall
Lincoln, NE 68588-0312

Michael A. Fox

Ohio House of Representatives
77 South High Street
Columbus, OH 43266-0603

Faye Fulton

Student
Community College of Philadelphia
1700 Spring Garden Street
Philadelphia, PA 19130

Gary A. Gabriele

Chair, Dept. of Eng. Science & Core Eng.
Rensselaer Polytechnic Institute
110 8th Street
Troy, NY 12180

Susan L. Ganter

Area Research Fellow
National Science Foundation
4201 Wilson Boulevard, Room 855
Arlington, VA 22230

J. D. Garcia

Program Director, DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Sharon Garner

Summer Intern, DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Charles A. Gaston

Director, NSF-ATE Project
Pennsylvania State University
1031 Edgecomb Avenue
York, PA 17403-3398

William Gearhart

Professor of Mathematics
California State Univ., Fullerton
800 N. State College Blvd.
Fullerton, CA 92634

Edward E. Geary

Coordinator for Education Programs
The Geological Society of America
P.O. Box 9140 3300 Penrose Place
Boulder, CO 80301

Melvin D. George

St. Olaf College (Ret.)
1509 West Rollins Road
Columbia, MO 65203

Peter Gerber

2305 North Atlantic Boulevard
Fort Lauderdale, FL 33305

Moheb A. Ghali

Vice Provost for Research
Western Washington University
Old Main 430, 516 High Street
Bellingham, WA 98225-9038

Rose M. Gibson

Vice President & Director, Research & Development
Motorola GSTG
P.O. Box 1417, MD H3122
Scottsdale, AZ

Anita Gilkey

Technical Writer
Wren Industries
265 Lightner Road
Tipp City, OH 45371

Joan S. Girgus

Director, Pew Science Program
Department of Psychology
Princeton University
Green Hall
Princeton, NJ 08544-1010

Milton E. Glick

Sr. Vice President & Provost
Arizona State University
P.O. Box 872803
Tempe, AZ 85287-2803

Jim Glickert

Data & Communications Manager
The Boeing Company
P.O. Box 3707, M/S 1F-05
Seattle, WA 98124

Judy Gobert

Director, All Nations AMP
Salish Kootenai College
P.O. Box 117
Pablo, MT 59855

Donald Goldberg

Associate Dean of Faculty
Office of the Dean
Occidental College
Johnson Hall, Room 111
Los Angeles, CA 90041-3384

Dennis Golden

Chair, Board of Trustees
Panola College
1109 W. Panola
Carthage, TX 75633

Manuel Gomez

Director, PR-AMP
Resource Center for Science and Engineering
University of Puerto Rico
PO Box 23334, Univ. Station
San Juan, PR 00931-3334

David L. Goodstein

Vice Provost
Dept. of Physics, Mathematics & Astronomy
California Institute of Technology
Pasadena, CA 91125

Daniel L. Goroff

Postsecondary Division Director
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418

Greg Gothreaux

President and CEO
Lafayette Economic Development Authority
2014 W. Pinhook Road, Suite 100
Lafayette, LA 70508-3289

Andrew Gray

Intern, National Research Council
2101 Constitution Ave., N.W.
Washington, DC 20418

Sandra R. Gregerman

Program Director
Undergraduate Research Opportunities Program
University of Michigan, Ann Arbor
L110 West Quad
Ann Arbor, MI 48109-1360

Joseph G. Griswold

Professor of Biology
City College of CUNY, J526
138th Street & Convent Avenue
New York, NY 10031

Craig Gunn

Professor
Dept. of Mechanical Engineering
Michigan State University
East Lansing, MI 48824

Gregg Haan

Student, College of Engineering
University of Texas at El Paso
500 W. University Drive
El Paso, TX 79968

Jimmie Haines

Director, Technical Resource Management
The Boeing Company
P.O. Box 3707, M/S 7A-13
Seattle, WA 98124-0346

Louise Hainline

Professor, Dean of Grad Studies & Res.
Brooklyn College
2900 Bedford Avenue
Brooklyn, NY 11210

Timothy Halpin-Healy

Associate Professor of Physics
Barnard College/Columbia Univ.
3009 Broadway
New York, NY 10027-6598

Franklin D. Hamilton

Vice President for Research
Florida A&M University
400 Foote Hilyar Admin. Center
Tallahassee, FL 32307

Stephanie Hamilton

*Director of Teacher Programs
Foundation for Advancements in
Science and Education
1223 D Street, N.E.
Washington, DC 20002*

Sarah Hammes

*Student, University of Wisconsin-Madison
145 West Gilman, #202
Madison, WI 53703*

Peirce Hammond

*Acting Director, ESIE/OSR
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Vivian H. Hampton

*Assoc. Professor, Coordinator, N.C. AMP
College of Engineering
North Carolina A&T State University
640 McNair Hall
Greensboro, NC 27411*

Richard Haracz

*Associate Provost
Drexel University
32nd & Chestnut
Philadelphia, PA 19104*

Marieta W. Harris

*Project Director
Memphis Urban Systemic Initiative
Memphis City Schools
2385 Central Avenue
Memphis, TN 38104*

David T. Harrison

*Director, AIM Center
Sinclair Community College
444 W. 3rd Street
Dayton, OH 45402-1460*

Mako Haruta

*Assistant Professor of Mathematics
Dept. of Mathematics
University of Hartford
200 Bloomfield Avenue
West Hartford, CT 06117*

John R. Hayes

*Professor of Psychology
Carnegie Mellon University
Pittsburgh, PA 15213*

Ann Heath

*Associate Professor of Mathematics
Immaculata College
1145 King Road
Immaculata, PA 19345*

Jack G. Hehn

*Associate Executive Officer
American Association of
Physics Teachers
One Physics Ellipse
College Park, MD 20740-3845*

Robert Hilborn

*President
American Assoc. of Physics Teachers
Amherst College, Dept. of Physics
Amherst, MA 01002-5000*

William E. Hill

*Director, MDAMP
Metropolitan Detroit Alliance for
Minority Participation - WSU
656 W. Kirby, Room 4107 FAB
Detroit, MI 48202*

Gilberto M. Hinojosa

*Dean, College of Arts and Sciences
University of the Incarnate Word
4301 Broadway
San Antonio, TX 78209*

Holly Peters Hirst

*Appalachian State University
329 Walker Hall
Boone, NC 28608*

Susan Hixson

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Star F. Hobson

*Student, Wake Technical Community College
1919 Myron Drive
Raleigh, NC 27607*

Holly Hodder

Senior Editor
W.H. Freeman and Company
41 Madison Avenue
New York, NY 10010

Dan Hodge

Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Tom Hogan

Dir., Organizational Development and Training
Mitsubishi Silicon America
1351 Tandem Avenue, N.E.
Salem, OR 97303

David Holger

Associate Dean of Engineering
Dept. of Aerospace Engineering
Iowa State University
104 Marston Hall
Ames, IA 50011

Robert Holkeboer

Director of Research Development
Eastern Michigan University
Office of Research Development
Ypsilanti, MI 48197

Jim Houdeshell

Principal Investigator
National Center of Excellence for
Advanced Manufacturing Education
444 West Third Street
Dayton, OH 45402-1460

Curtis Howard

Program Officer, EHR/ESIE
National Science Foundation
4201 Wilson Boulevard, Room 885
Arlington, VA 22230

Thomas H. Howell

Director, Bull Information Systems
Arizona State University
8201 E. Del Cadena Drive
Scottsdale, AZ 85258

Deh-I Hsiung

Budget Officer, NSF/EHR
National Science Foundation
4201 Wilson Blvd.
Arlington, VA 22230

Sam Hsu

Assistant Professor
Dept. of Computer Science & Engin.
Florida Atlantic University
777 Glades Road
Boca Raton, FL 33431-6415

Durward Huffman

President
Northern Maine Technical College
33 Edgement Drive
Presque Isle, ME 04769

Gerunda Hughes

Associate Professor
School of Education
Howard University
2400 Sixth Street, N.W.
Washington, DC 20059

Kenneth D. Hughes

Assistant Professor
School of Chemistry & Biochemistry
Georgia Institute of Technology
Atlanta, GA 30332

Deborah J. Hughes Hallett

Professor, Department of Mathematics
Harvard University
Cambridge, MA 02138

Frederick S. Humphries

President
Florida A&M University
400 Lee Hall
Tallahassee, FL 32307

Robert Hunter

Director of Research
Yellowstone Environmental Science
920 Technology Boulevard
Bozeman, MT 59715

Patricia Hurley

Director, Environmental Science
Dept of Environmental Science
Salish Kootenai Community College
P.O. Box 117
Pablo, MT 59885-0117

Barbara H. Iglewski

Vice Provost
University of Rochester
Elmwood Avenue
Rochester, NY 14456

Frank Ireton

Manager, Precollege Education Programs
American Geophysical Union
2000 Florida Avenue, N.W.
Washington, DC 20009

Magdy F. Iskander

Electrical Engineering Dept.
University of Utah
Salt Lake City, UT 84112

Elizabeth Ivey

Provost, Department of Academic Affairs
University of Hartford
200 Bloomfield Avenue
West Hartford, CT 06117

Andrea Jackson

Student, Department of Zoology
Arizona State University
Tempe, AZ 85287-1501

Ricardo B. Jacques

Director, New Mexico AMP
P.O. Box 30001, Department 3AMP
Las Cruces, NM 88003-8001

David James

Professor, Department of Mathematics
University of Michigan-Dearborn
4901 Evergreen Road
Dearborn, MI 48128

Ryan James

Student
University of Michigan-Dearborn
6530 Woodmere Drive
Canton, MI 48187

Kolf O. Jayaweera

Dean, School of Natural Science & Mathematics
California State Univ., Fullerton
800 N. State College Blvd.
Fullerton, CA 92634

Norma Jeanne

Program Assistant, DUE/ORISE
National Science Foundation
4201 Wilson Blvd., Room 835
Arlington, VA 22230

John E. Jelen

Vice President
Quantum Research Corporation
7315 Wisconsin Ave., Ste. 400W
Bethesda, MD 20814

Michelle Jenkins

Summer Intern
National Science Foundation
4201 Wilson Blvd., Rm. 685
Arlington, VA 22230

Daniel A. Jewel

City College of New York (CUNY)
30 Rogers Avenue, Apt. 3C
New York, NY 11216

Clay Johnson

President
Texas State Technical College
300 College Drive
Sweetwater, TX 79556

Elmima C. Johnson

Staff Associate
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

Roosevelt Y. Johnson

Deputy Executive Director
The GEM Consortium
P.O. Box 537
Notre Dame, IN 46556

Donald E. Jones

Program Director, EHR/ESIE
National Science Foundation
4201 Wilson Boulevard, Room 885
Arlington, VA 22230

Patricia L. Jones

*Assistant Professor of Mathematics
Univ. of Southwestern Louisiana
P.O. Box 41010
Lafayette, LA 70512*

Wayne E. Jones

*Assistant Professor, Department of Chemistry
State University of New York
at Binghamton
P.O. Box 6000
Binghamton, NY 13902-6000*

Trace Jordan

*Assistant Director, Foundations of
Scientific Inquiry Curriculum
New York University
151 Lexington Avenue, #3C
New York, NY 10016*

Gary Judd

*Dean of the Faculty
Rensselaer Polytechnic Institute
Pittsburgh Building
110 8th Street
Troy, NY 12180*

Ellen Kabat

*Director, Advanced Technological
Environmental Education Center
Eastern Iowa Community
College District
500 Belmont Road
Bettendorf, IA 52722*

Katherine Kalil

*Professor, Department of Anatomy
University of Wisconsin-Madison
Room 255
Bardeen Medical Labs
Madison, WI 53706*

John P. Keating

*Provost
University of Alaska-Fairbanks
Third Floor, Signers' Hall
Fairbanks, AK 99775-7850*

Linda S. Kelly

*NCSR Director
Chemeketa Community College
4000 Lancaster Drive, N.E.
P.O. Box 14007
Salem, OR 97309-7070*

William H. Kelly

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Paul B. Kelter

*Associate Professor
Department of Chemistry
University of Nebraska-Lincoln
228 Hamilton Hall
Lincoln, NE 68588-0304*

Yvonne Kemp

*Instructor, Middlesex County College
155 Mill Road
Edison, NJ 08818*

John V. Kenkel

*Dept. of Environmental Laboratory Technology
Southeast Community College
8800 O Street
Lincoln, NE 68520-1227*

Donald Kennedy

*Center for Science, Mathematics & Engineering
Education
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418*

Jeff Kinder

*Division of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard, #835
Arlington, VA 22230*

Donald F. Kirwan

*LaCEPT Science Advisor
Dept. of Physics & Astronomy
Louisiana Systemic Initiatives
Program (LaSIP)
202 Nicholson Hall
Baton Rouge, LA 70803*

Keith E. Klein

*Science Education Analyst
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Stephen B. Klein

*Professor, Dept. of Psychology
Mississippi State University
P.O. Box 6161
Mississippi State, MS 39762*

Wayne Klohs

*Associate Research Fellow
Dept. of Cancer Research
Warner Lambert/Parke Davis
Pharmaceutical
2800 Plymouth Road
Ann Arbor, MI 48105*

Kelly Knudson

*Student
Beloit College
224 Elmwood Drive
Council Bluffs, IA 51503*

Maria Koszalka

*Program Analyst
Howard Hughes Medical Institute
4000 Jones Bridge Road
Chevy Chase, MD 20895*

Roger A. Kovar

*Dean, College of Arts & Sciences
University of Northern Colorado
Michener L-54
Greeley, CO 80639*

Stephen T. Kowel

*Professor & Chair
Electrical & Computer Engineering
The University of Alabama
in Huntsville
Huntsville, AL 35899*

Gary D. Krenz

*Asst. to the Vice President for Research
University of Michigan, Ann Arbor
4080 Fleming
503 Thompson Street
Ann Arbor, MI 48109-1340*

David Krinsky

*Student
Harvard University
30 Crescent Street
Cambridge, MA 02138-1908*

Kenneth Kruempel

*Associate Professor
Iowa State University
109 Coover Hall
Ames, IA 50011*

H.O. Kunkel

*Professor, Department of Animal Science
Texas A&M University
100 Kleberg Center
College Station, TX 77843-2471*

Bill Kurtis

*Columbia Broadcasting System
630 North McClurg Court
Chicago, IL 60611*

Jay B. Labov

*Associate Professor, Dept. of Biology
Colby College
5720 Mayflower Hill
Waterville, ME 04901*

Jason Lairamore

*Summer Intern, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Jean Lane

*Professor
Union County College
15 Stone Run Road
Bedminster, NJ 07921*

Neal F. Lane

*Director
National Science Foundation
4201 Wilson Boulevard, Room 1205
Arlington, VA 22230*

James I. Lankford

*Chair, Division of Mathematical, Natural & Health
Sciences
Saint Andrews Presbyterian College
1700 Dogwood Mile
Laurinburg, NC 28352-5521*

Douglas Lapp

*Executive Director
National Science Resources Center
Smithsonian Institution, MRC 403
Washington, DC 20560*

Anita J. LaSalle
Division of Undergraduate Education
The National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Mark Lender
Director, Advanced Study & Research
Kean College of New Jersey
Morris Avenue
Union, NJ 07083

Phyllis Leonard
Instructor of Mathematics
Chemeketa Community College
P.O. Box 14007
4000 Lancaster Drive, N.E.
Salem, OR 97309-7070

Joshua A. Leslie
Chairman of Mathematics
Howard University
2400 Sixth Street, N.W.
Washington, DC 20059

Diandra L. Leslie-Pelecky
Assistant Professor
University of Nebraska, Lincoln
163 Behlen Lab
Lincoln, NE 68588-0111

Herbert Levitan
Section Head, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Suzanne Liberty
Director, Division of Research
Clarkson University
143 Clarkson Hall, P.O. Box 5625
Potsdam, NY 13699-5625

James Lichtenberg
Vice President, Higher Education Division
Association of American Publishers
71 Fifth Avenue
New York, NY 10003

James H. Lightbourne
Section Head, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Mary M. Lindquist
Callaway Chair, School of Education
Columbus College
14 Seventh Street
Columbus, GA 31901

Dianne Littwin
Publishing Development Manager
Wolfram Media, Inc.
115 E. 92nd Street
New York, NY 10120

Baird W. Lloyd
Research Associate
Center for Chemical Education
Miami University Middletown
4200 E. University Blvd.
Middletown, OH 45042

George Lobell
Mathematics Editor
Prentice Hall
One Lake Street
Upper Saddle River, NJ 07458

Jack R. Lohmann
Associate Dean
College of Engineering
Georgia Institute of Technology
225 North Avenue
Atlanta, GA 30332-0360

Frank A. Lombardo
Senior Professor
Daytona Beach Community College
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114

Reginald K. U. Luke
Chair, Math Department
Middlesex County College
Woodbridge & Mill Road
Edison, NJ 08818

Rodney C. Lusain
Student Intern
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

James J. Madden

*Professor of Mathematics
Dept. of Mathematics
Louisiana State University
Baton Rouge, LA 70803*

David G. Mader

*Professor, Dept. of Computer Science
Marietta College
302 Mills Hall
Marietta, OH 45750*

Wayne E. Magee

*NES Professor of Bioscience
Dept. of Bioscience & Biotechnology
Drexel University
32nd & Chestnut Streets, 01-320
Philadelphia, PA 19104*

Susan G. Magliaro

*Associate Professor
Virginia Tech
313 War Memorial Hall
Blacksburg, VA 24061-0313*

Minna Mahlab

*Research Assistant
National Academy of Sciences
2101 Constitution Avenue, N.W. HA-476
Washington, DC 20418*

Norman Maldonado

*President
University of Puerto Rico Mayaguez
P.O. Box 364984
San Juan, PR 00936-4984*

Judith F. Marks

*Business Area Manager
Lockheed Martin
Owego, NY 13827*

Gary Marotta

*Vice President for Academic Affairs
University of Southwestern Louisiana
P.O. Box 41810
Lafayette, LA 70504-1810*

Linsey C. Marr

*Student
Division of Engineering & Applied Sciences
Harvard University
1024 Marine Street, #3
Boulder, CO 80302*

Paxton Marshall

*Associate Professor, Electrical Eng.
School of Engineering & Applied Science
University of Virginia
C210, Thornton Hall
Charlottesville, VA 22903-2442*

Paul C. Martin

*Dean, Div. of Engineering and Applied Science
Harvard University
217A Pierce Hall
Cambridge, MA 02138*

Lakeisha N. Massey

*Intern Student
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Michael A. Mayhew

*Program Director
National Science Foundation
4201 Wilson Boulevard, Room 785
Arlington, VA 22230*

Christine M. Maziar

*Vice Provost
The University of Texas at Austin
Off. of the Exec. V.P. & Provost MAI 201
Austin, TX 78712-1111*

Eric Mazur

*Division of Applied Sciences
Department of Physics
Harvard University
Cambridge, MA 02138-2901*

Katherine McClelland

*Director, Mathematics Laboratory
Grinnell College
P.O. Box 805
Grinnell, IA 50112*

Nancy A. McDowell

*Vice President for Academic Affairs
Beloit College
700 College Street
Beloit, WI 53511*

Michael McGinnis

*Assistant Professor of Biology
Spelman College
Box 213
Atlanta, GA 30314*

Estelle J. McGroarty

*Assoc. Dean, Student & Academic Affairs
College of Natural Science
Michigan State University
103 Natural Science Bldg.
East Lansing, MI 48824*

Ian McIntosh

*Program Coordinator
Freshman Learning Community Program
University of Wisconsin-Madison
1450 Engineering Dr., Rm. 101
Madison, WI 53706*

Robert C. McMath

*Professor and Chair
School of History, Technology & Society
Georgia Institute of Technology
Atlanta, GA 30332-0345*

Carolyn Merkel

*Director, Summer Undergraduate Research
Fellowships
California Institute of Technology
Pasadena, CA 91125*

Carolyn Meyers

*Dean, College of Engineering
North Carolina A&T State U
Room 651, McNair Hall
Greensboro, NC 27411*

Terrence S. Millar

*Associate Dean, Graduate School
University of Wisconsin, Madison
500 Lincoln Drive, Room 321
Bascom Hall
Madison, WI 53706*

Arnold Miller

*President, Technology Strategy Group
California State University
800 N. State College
Fullerton, CA 92634*

Mary L. Mittler

*Vice President for Academic Affairs
Oakton Community College
1600 E. Golf Road
Des Plaines, IL 60016*

David W. Mogk

*Program Director, EHR/DUE
The National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Mark Moline

*WEB Engineer
Addison Wesley Interactive
One Jacob Way
Reading, MA 01867*

Mary Beth Monroe

*Physics Instructor
Southwest Texas Junior College
2401 Garner Field Road
Uvalde, TX 78801*

C. Bradley Moore

*Professor, Department of Chemistry
Univ. of California at Berkeley
Berkeley, CA 94720-1460*

Calvin Moore

*Professor, Department of Mathematics
Univ. of California at Berkeley
201 Campbell Hall
Berkeley, CA 94720-2920*

Randall C. Morgan

*Trustee
Grinnell College
4904 Lakeridge Court
Valparaiso, IN 46383*

Lisa Morigeau

*Student, Department of Biology
Montana State University
402 Royal Road
Belgrade, MT 59714*

Lueny Morrell-de-Ramirez

*Professor of Chemical Engineering
University of Puerto Rico at Mayaguez
Box 5000 College Station
Mayaguez, PR 00681*

David Morris

*Associate Dean for Academic Programs
School of Engineering & Applied Science
University of Virginia
A126 Thornton Hall
Charlottesville, VA 22903-2442*

Karen Morse

*President
Western Washington University
516 High Street
Bellingham, WA 98225-9033*

Yolanda T. Moses

*President
The City College of CUNY
Convent Avenue at 138th Street
New York, NY 10031*

Alfred Moyé

*Director, University Affairs
Hewlett-Packard Company
1501 Page Mill Road, MS 3L-7
Palo Alto, CA 94304*

Michael C. Mulder

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

V. K. Narayanan

*Professor of Business
University of Kansas
218 Summerfield Hall
Lawrence, KS 66045*

Jeanne Narum

*Director, Project Kaleidoscope
Independent Colleges Office
1730 Rhode Island Avenue, N.W., Suite 803
Washington, DC 20036*

Ram Nayar

*Associate Professor
Daytona Beach Community College
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114*

James R. Nazzaro

*Vice President for Academic Affairs
The Richard Stockton College of New Jersey
Jim Leeds Road
Pomona, NJ 08240*

Asha Nelson

*Student, Northwest Center for Emerging
Technologies, # A202
3000 Landerholm Circle, S.E.
Bellevue, WA 98007-6484*

Andrew W. Nichols

*Professor and Director, Rural Health Office
Family and Community Medicine
2501 E. Elm, AHSC
Tucson, AZ 85716*

Jesse M. Nicholson

*Department of Chemistry
Howard University
525 College Street, N.W.
Washington, DC 20059*

Raquel Nieves

*Student, Puerto Rico-AMP
University of Puerto Rico
Amapola D-13 Enramada
Bayamon, PR 00961*

Christine M. Nixon

*Student, Math Skills Center
The Richard Stockton College of New Jersey
Jim Leeds Road
Pomona, NJ 08240*

John Norman

*Associate Professor
College of Education
Wayne State University
Detroit, MI 48202*

Richard J. Orr

*Professor of Mathematics
Dept. of Math & Statistics
Rochester Institute of Technology
Rochester, NY 14623*

Brad Osgood

*Professor, Department of Mathematics
Stanford University
50 Peter Coultts Circle
Stanford, CA 94305*

Charlotte Otto

*Chair, Dept. of Natural Sciences
University of Michigan, Dearborn
4901 Evergreen Road
Dearborn, MI 48128-1491*

Sandra Oyewole

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Lynette P. Padmore

Director, Florida-Georgia Alliance Program
Florida A&M University
104 Gamble Street
Student Retention Center
Tallahassee, FL 32307-5500

Robert Panoff

President and Executive Director
The Shodor Education Foundation
923 Broad Street, Ste. 100
Durham, NC 27705

Coleen Pantalone

Interim Vice Provost for Undergraduate Education
Northeastern University
112 Hayden Hall
Boston, MA 02115

Robert E. Parilla

President
Montgomery College
900 Hungerford Drive
Rockville, MD 20850

Cass Parker

Associate Professor
Department of Chemistry
Clark Atlanta University
James P. Brawley Dr. at Fair St. SW
Atlanta, GA 30314

David Pastran

Student, Biology Department
University of Northern Colorado
Greeley, CO 80639

Cecil W. Payton

Executive Assistant to the President
Morgan State University
Truth House, Room 410
1700 E. Cold Spring Lane
Baltimore, MD 21239

Chery Pellerin

National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

Shannon Pennington

Student, Panola College
1109 W. Panola
Carthage, TX 75633

Pamela M. Peters

Manager, Science Education
Access Excellence/Genentech, Inc.
460 Point San Bruno Boulevard
South San Francisco, CA 94080

Simone Peterson

Assistant Professor
Department of Mechanical Engineering
Florida A&M University
2525 Potsdamer Street
Tallahassee, FL 32310

Richard Petti

Macsyma, Inc.
20 Academy Street
Arlington, MA 02174-6436

David Pierce

President, American Association of
Community Colleges
One Dupont Circle, N.W., Suite 410
Washington, DC 20036-1176

Rodney Piercey

Head, Department of Physics
Mississippi State University
P.O. Drawer 5167
Mississippi State, MS 39762

Stanley Pine

Chair, ACS Education Committee
Department of Chemistry
California State University
5151 State University Drive
Los Angeles, CA 90032

R. Byron Pipes

President
Rensselaer Polytechnic Institute
Pittsburgh Building
Troy, NY 12180-3590

Karl S. Pister

Chancellor
University of California at Santa Cruz
Room 296, McHenry Library
Santa Cruz, CA 95064

Harold Pratt

Director, Division on K-12 Policy & Practice
National Research Council
Center for Science, Mathematics & Engineering
Education
2101 Constitution Avenue, N.W.
Washington, DC 20418

Carol W. Prevost

Science & Technology Council Director
Princeton University
123 Lewis Thomas Lab
Princeton, NJ 08544

Chip Price

Vice President & Director
Addison-Wesley Interactive
One Jacob Way
Reading, MA 01867

Glenda Price

Provost
Spelman College
Box 1209
Atlanta, GA 30314

P. Buford Price

Divisional Dean of Physics
Department of Physics
University of California
at Berkeley
201 Campbell Hall
Berkeley, CA 94720

Paul E. Prindle

Vice Chair
Jones & Bartlett Publishers, Inc.
40 Tall Pine Road
Sudbury, MA 01776

Patricia J. Pukkila

Associate Professor, Department of Biology
University of North Carolina at Chapel Hill
CB 3280
Chapel Hill, NC 27599

Mark Pushman

Computer Sciences Corporation
100 Decadon Drive
Pleasantville, NJ 08232

Thomas S. Quarles

Deputy Division Director
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

John M. Quinn

Coordinator, Math Center Skills Center
The Richard Stockton College
of New Jersey
Pomona, NJ 08240

Samuel M. Rankin

Assoc. Executive Director
American Mathematical Society
1527 18th Street, N.W.
Washington, DC 20036

Mulchand Rathod

Professor & Chair
Div. of Engineering Technology
Wayne State University
5050 Cass
Detroit, MI 48202-3900

William H. Rauckhorst

Associate Provost for Scholarship & Teaching
Miami University
107 Roudebush Hall
Oxford, OH 45056

Melvin C. Ray

Associate Vice President for Research
Mississippi State University
P.O. Box 6343
Mississippi State, MS 39762

Robert Reinsvold

Assistant Professor, Dept. of Biological Sciences
University of Northern Colorado
Greeley, CO 80639

Suzanne W. Reuss

Arizona State University
Box 873403
Tempe, AZ 85287

Vincent Revels

Vice President, Department of Curriculum
Education Services
Wake Technical Community College
9101 Fayetteville Road
Raleigh, NC 27603

Celena M. Richardson

*Student, Department of Biology
Morgan State University
1020 N. Central Avenue
Baltimore, MD 20202*

Earl S. Richardson

*President, Department of Biology
Morgan State University
1700 E. Cold Spring Lane
Baltimore, MD 21239*

Hal Richtol

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Stephen Riter

*Provost & V.P. for Academic Affairs
University of Texas at El Paso
Admin. Bldg., Room 310
500 W. University Drive
El Paso, TX 79968*

Jean Robinson

*Associate Professor
Department of Political Science
Indiana University - Bloomington
Woodburn Hall 403
Bloomington, IN 74705*

T. Joan Robinson

*Professor of Biology
Morgan State University
Cold Spring Lane and Hillen Road
Baltimore, MD 21239*

Paul H. Rodriguez

*Program Director, BIO
National Science Foundation
4201 Wilson Boulevard, Room 855.15
Arlington, VA 22230*

Doris Roman

*Program Consultant
The GEM Consortium
P.O. Box 537
Notre Dame, IN 46556*

Nina Roscher

*Division of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Nedah M. Rose

*John Wiley & Sons, Inc.
605 Third Avenue
New York, NY 10158-0012*

James M. Rosser

*President
California State University at Los Angeles
5151 State University Drive
Los Angeles, CA 90032-8500*

John E. Rudzki

*Division of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Alejandro Ruiz-Acevedo

*V.P. for Academic Affairs & Planning
Inter American University of Puerto Rico
P.O. Box 383255
San Juan, PR 00936-3255*

Janet Rutledge

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Peter C. Ryan

*Instructor, Environmental Science
Salish Kootenai College
P.O. Box 117
Pablo, MT 59855*

Gerhard Salinger

*Program Director, EHR/ESIE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

John Saurer

*General Manager and Vice President
Kodak Colorado Division
Eastman Kodak Company
9952 Eastman Park Drive
Windsor, CO 80551-1334*

Denise T. Schanck

*Publisher, Science, Mathematics, Engineering,
Computer Science
The McGraw-Hill Companies
1221 Ave. of the Americas
New York, NY 10020*

Gil Schmidt

*Vice Provost, Department of Academic Affairs
University of N. Colorado, Carter Hall
Greeley, CO 80639*

James C. Schmidt

*Associate Professor
Ashland Community College
1400 College Drive
Ashland, KY 41101*

Lawrence E. Schulz

*Dean & VP for Academic Affairs
St. Andrews Presbyterian College
1700 Dogwood Mile
Laurinburg, NC 28352*

Albert J. Schwabenbauer

*Vice President, Worldwide Customer Service
Sikorsky Aircraft
United Technologies Corporation
6900 Main Street, MS:S419A
Stratford, CT 06497*

Sue H. Schwabenbauer

*Assistant Dean - Liberal Arts
Quinnipiac College
Hamden, CT 06518*

Chalmers Sechrist

*Division of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Gerry A. Selter

*Dean, College of Science
San Jose State University
One Washington Square
San Jose, CA 95192-0099*

Steven O. Senger

*Professor, Dept. of Computer Science
Univ. of Wisconsin-La Crosse
124 Morris Hall, 1725 State St.
La Crosse, WI 54601-3742*

Frank A. Settle

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22330*

Henry D. Shannon

*President
St. Louis Community College at Forest Park
5600 Oakland Avenue
St. Louis, MO 63110*

Bonney Sheahan

*Program Manager, SBE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Anding Shen

*3311 Powelton Avenue, Apt. 2F
Philadelphia, PA 19104*

Jeffrey H. Sherman

*President
Technology Review, Inc.
8787 Woodway, Suite 1201
Houston, TX 77083*

Harry L. Shipman

*Professor, Dept. of Physics and Astronomy
University of Delaware
Sharp Laboratory
Newark, DE 19716*

Lewis Shumaker

*Manager, University Relations & Recruitment
DuPont
1007 Market Street
Wilmington, DE 19898*

Jim Shuman

*Project Director
Northwest Center for Emerging
Technologies #A202
3000 Landerholm Circle, S.E.
Bellevue, WA 98007-6484*

Shari Silverman

*Graduate Student
Middlesex County College
155 Mill Road
Edison, NJ 08818*

Robert L. Simpson

*Provost
University of Michigan-Dearborn
4901 Evergreen Road
Dearborn, MI 48128*

Gary Simundza

*Dept. of Applied Math/Science
Wentworth Institute of Technology
550 Huntington Avenue
Boston, MA 01155*

Surya C. Singh

*Student, The University of Texas at Austin
807 W. 25th Street, #209
Austin, TX 78705*

Ted Sjoerdsma

*Program Consultant, DUE/ORISE
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Jeanne E. Sjovall

*Assistant Dean, Instructional Development
New England Institute of Technology
2500 Post Road
Warwick, RI 02886*

John H. Skillings

*Associate Dean, College of Arts & Science
Miami University
143 Upham Hall
Oxford, OH 45056*

Howard Skinner

*Interim President
University of Northern Colorado
Provost's Office
Greeley, CO 80639*

Elizabeth Skomp

*Indiana University Student Association.
Indiana University - Bloomington
IMU 32
Bloomington, IN 47405*

Kim Skyelander

*Instructor, Environmental Science
Salish Kootenai College
P.O. Box 117
Pablo, MT 59855*

Mary Sladek

*Assistant Program Director, EHR/REC
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Judy Smalling

*National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Calvert H. Smith

*On-Site Coordinator, The Board of Education
Cincinnati City School District
P.O. Box 5381
Cincinnati, OH 45201-5381*

David A. Smith

*Associate Professor, Department of Mathematics
Duke University
Box 90320
Durham, NC 27708*

Kent Smith

*Instructor
Texas State Technical College
300 College Drive
Sweetwater, TX 79556*

Myra O. Smith

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Nolan Sommer

*Chairman of the Board
Stoney-Mueller
750 Oneida Trail
Franklin Lakes, NJ 07417*

Janet Weiss Sorrels

*Assistant Dean, College of Mathematical & Physical
Sciences
The Ohio State University
154 Denney Hall
164 W. 17th Avenue
Columbus, OH 43210-1316*

Francis Spano

*Dean, Division of Engineering Technologies &
Science
Middlesex County College
155 Mill Road
Edison, NJ 08818*

Brock Spencer

*Professor
Beloit College
700 College Street
Beloit, WI 53511*

Cedric T. Stallworth

*Process Integration Partner
Office of Minority Educational Development
Georgia Institute of Technology
681 Cherry Street
Atlanta, GA 30332-0600*

Michael Starbird

*Associate Dean for Undergraduate Education
Dept. of Natural Sciences
The University of Texas at Austin
WCH 3.104, Office of the Dean
Austin, TX 78712-1199*

Richard E. Stephens

*Consultant
Oak Ridge Associated Universities
8304 Brewster Drive
Alexandria, VA 22308-2106*

John G. Stevens

*National Executive Officer
Council on Undergraduate Research
Univ. of North Carolina at Asheville
Asheville, NC 28804*

Catherine B. Stevenson

*Dean of Faculty
University of Hartford
200 Bloomfield Avenue
West Hartford, CT 06117*

Fred Stollnitz

*Program Director, Cross-Directorate Activities
National Science Foundation
4201 Wilson Blvd., Rm. 685
Arlington, VA 22203*

Donald B. Stratton

*Professor of Biology
Drake University
2507 University Avenue
Des Moines, IA 50311-4505*

Denis J. Sullivan

*Director of ACE Implementation
Northeastern University
112 Hayden Hall
Boston, MA 02115*

Edward C. Sullivan

*New York State Assembly
717 Legislative Office Building
Albany, NY 12248*

Larry Suter

*Deputy Division Director, REC
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

James E. Swartz

*Professor of Chemistry
Grinnell College
P.O. Box 805
Grinnell, IA 50112*

Dell L. Swearingen

*Director, Math/Science/Electronics
Chemeketa Community College
P.O. Box 14007
4000 Lancaster Drive, N.E.
Salem, OR 97309-7070*

Anna Tan-Wilson

*Professor, Dept. of Biological Sciences
SUNY at Binghamton
P.O. Box 6000
Binghamton, NY 13902-6000*

Robert J. Tatz

*Instructional Laboratory Supervisor
Department of Chemistry
The Ohio State University
100 W. 18th Street
Columbus, OH 43210*

Laura L. Tedder

Associate Director, Education
University of Colorado - Boulder
Campus Box 525
Boulder, CO 80309-0525

Elizabeth Teles

Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Ronald Temple

Chancellor
City College of Chicago
226 W. Jackson Boulevard
Chicago, IL 60601

Mary Kay Tetreault

Vice President, Academic Affairs
California State Univ.-Fullerton
800 N. State College Blvd.
Fullerton, CA 92634

Michael E. Thomas

Provost & Vice President for Academic Affairs
Georgia Institute of Technology
Atlanta, GA 30332-0325

David Todt

Dean, College of Arts & Sciences
Shawnee State University
940 Second Street
Portsmouth, OH 45662

Lillian Tong

Undergraduate Education Coordinator
Center for Biology Education
University of Wisconsin - Madison
425 N. Henry Mall
Madison, WI

Reginald Traylor

Dean, School of Graduate Studies
University of the Incarnate Word
4301 Broadway, Box T-2
San Antonio, TX 78209

Albert Tricomi

Vice Provost for Undergraduate Studies
Office of the Provost
SUNY at Binghamton
P.O. Box 6000
Binghamton, NY 13901-6000

Romona A. Truesdale

Computer Specialist, EHR/DUE
The National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

Kuei-Wu Tsai

Associate Dean of Engineering
College of Engineering
San Jose State University
San Jose, CA 95192-0080

Alan Tucker

Professor of Mathematics
Dept. of Applied Mathematics & Statistics
SUNY at Stony Brook
36 Woodfield Road
Stony Brook, NY 11790

Elizabeth Tucker

Associate Professor
SUNY Binghamton
Dickinson Community
Binghamton, NY 13902-6000

Nzinga Tull

Student, Dual Degree Engineering Program
Spelman College
2805 33rd Street, S.E.
Washington, DC 20020

George Tuthill

Professor, Department of Physics
Montana State University
AJM Johnson 214B
Bozeman, MT 59717-0350

Tim Uy

Office of the President
California Institute of Technology
Pasadena, CA 91125

Myra Van Vactor

Director, Library Media Center
Bellevue Community College # D256
3000 Landerholm Circle, S.E.
Bellevue, WA 98007-6484

Demetrius D. Venable

Professor & Chairman
Department of Physics & Astronomy
Howard University
2355 Sixth Street, N.W.
Washington, DC 20059

Gerard Volland

Associate Professor
Dept. of Mechanical, Industrial & Manufacturing
Engineering
Northeastern University
367 Snell Engineering Center
Boston, MA 02115

Ruth C. Von Blum

Research/Consultant
Inverness Research
3605 Ashwood Avenue
Los Angeles, CA 90066

Jack Waintraub

Chairperson, Department of Physics & Electrical
Eng.
Middlesex County College
155 Mill Road P.O. Box 3050
Edison, NJ 08818

Virginia Walbot

Professor, Department of Biological Sciences
Stanford University
Stanford, CA 94305-5020

Dorothy Walker-Jones

Associate Dean, Office of Natural Sciences
Howard University
2441 Sixth Street, N.W.
Washington, DC 20059

Mark Walter

Assistant Professor of Chemistry
Department of Chemistry
Oakton Community College
1600 E. Golf Road
Des Plaines, IL 60016

Dan Walz

Metropolitan Detroit Alliance for
Minority Participation - WSU
656 W. Kirby, Room 4047 FAB
Detroit, MI 48202

Elizabeth Ward

NASA Langley Space Grant Fellow
NASA Langley Research Center
National Aeronautics and
Space Administration
Mail Stop 221
Hampton, VA 23608

Mignon Waterman

Co-Chair, Government and Public Relations
Committee
SIMMS
530 Hazelgreen
Helena, MT 59601

George H. Watson

Associate Professor
Department of Physics & Astronomy
University of Delaware
232 Sharp Lab
Newark, DE 19716

Robert F. Watson

Division Director, DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Melvin Webb

Professor, Department of Biological Sciences
Clark Atlanta University
James P. Brawley Dr. at Fair St. SW
Atlanta, GA 30314

Peggie Weeks

Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230

Maurice Weitlauf

Professor of Chemistry
Oakton Community College
1600 E. Golf Road
Des Plaines, IL 60016

Karen Wells

Vice President for Instruction
Sinclair Community College
444 West Third Street
Dayton, OH 45402

Wayne Wells

Assistant Professor, Director's Office
University of Texas-Pan American
1201 West University Drive
Edinburg, TX 78539-2909

Barry L. Werner

Dean, Mathematics, Science and Technology
Middlesex Community College
Springs Road
Bedford, MA 01730

Peter West

Office of Legislative and Public Affairs
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

Ben White

Dean, Engineering Technology
Wake Technical Community College
9101 Fayetteville Road
Raleigh, NC 27603

Richard A. White

Dean and Vice Provost, Undergraduate Education
Duke University, Box 90042
104 Allen Building
Durham, NC 27708-0042

Elizabeth Widdicombe

President
W.H. Freeman and Company
41 Madison Avenue
New York, NY 10010

Larry F. Wieserman

Alcoa Laboratories
City College of New York
100 Technical Drive
Alcoa Center, PA 15069-0001

Terry M. Wildman

Professor and Director
Center for Excellence in Undergraduate Teaching
Virginia Polytechnic Institute and State University
118 Hillcrest Hall
Blacksburg, VA 24061-0453

Peter E. Wilkness

Senior Science Associate, GEO
National Science Foundation
4201 Wilson Boulevard, Suite 1070
Arlington, VA 22230

Arthur L. Williams

Professor/Chairman, Biology Department
Howard University
2400 Sixth Street, N.W.
Washington, DC 20059

Luther S. Williams

Assistant Director, EHR
National Science Foundation
4201 Wilson Boulevard, Room 805
Arlington, VA 22230

Ronald A. Williams

Vice President for Academic Affairs
Community College of Philadelphia
1700 Spring Garden Street
Philadelphia, PA 19130

Gary Wilson

Dean & Professor of Biology
College of Arts & Sciences
Box 57, McMurray University
Abilene, TX 79697

Jack M. Wilson

Dean, Undergraduate & Continuing Education
Rensselaer Polytechnic Institute
Pittsburgh Building, Room 212
Troy, NY 12180-3590

Dennis Winterrowd

Management Consultant, Ethicon
6017 Warwick
San Angelo, TX 76901

Lawrence J. Wolf

President
Oregon Institute of Technology
3201 Campus Drive
Klamath Falls, OR 97601-8801

P. K. Wong

Associate Dean, College of Natural Science
Michigan State University
103 Natural Science Building
East Lansing, MI 48824-1226

Susan S. Wood

*Mid-Atlantic Vice President
American Mathematical Association
of Two-Year Colleges
c/o Reynolds Community College
Box 85622
Richmond, VA 23285-5622*

Terry S. Woodin

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

James P. Wright

*Program Director
Division of Astronomical Sciences
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Bostwick F. Wyman

*Vice-Chair, Mathematics
The Ohio State University
231 West 18th Avenue
Columbus, OH 43210*

Roger E. Wyse

*Dean and Director
University of Wisconsin-Madison
140 Agricultural Hall
1450 Linden Drive
Madison, WI 53706*

Peter E. Yankwich

*Senior Staff Associate, EHR/DUE
Division of Undergraduate Education
National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230*

Ken Yasukawa

*Professor
Beloit College
700 College Street
Beloit, WI 53511*

Edmonia T. Yates

*Morgan State University
1700 E. Cold Spring Lane
Baltimore, MD 21239-4093*

Doug Young

*Coordinator, Southwest Center for Advanced
Technological Education
300 College Drive
Sweetwater, TX 79556*

Lee Zia

*Program Director, EHR/DUE
National Science Foundation
4201 Wilson Boulevard, Room 835
Arlington, VA 22230*

Lluvia Zuniga

*Student, Physics Department
Univ. of California, Berkeley #7300
Berkeley, CA 94720-7300*