

**NSF Notes**

**Tuition-Free Programs for Minorities**

The NSF's National Science Board has approved recommendations for grants totaling up to \$12 million over five years to support local efforts to boost minority participation in the science and technological work force. The grant program is designed to encourage collaboration among colleges and universities, community groups, and local and state governments.

The grants will be used to establish Comprehensive Regional Centers for Minorities and will benefit minority students in science programs from kindergarten through the bachelor's degree. The programs offered through the centers will be tuition free.

The first grants have been made to establish three centers. Initial funding for each center is about \$700,000, with the possibility of as much as \$4 million over five years.

Clark College, Atlanta, Georgia will lead a cooperative effort among institutions of the Atlanta University Center (Atlanta University, Clark College, Morehouse College, Morris Brown College, and Spelman College), together with Georgia State University, Georgia Technical University and the Atlanta public schools.

The City University of New York (CUNY)-City College, in cooperation with the CUNY-Graduate Center, CUNY-Hostos Community College, CUNY-York College, CUNY-New York Technical College, and the New York Public Schools, will use their own resources in addition to NSF funding.

The University of Puerto Rico will cooperate with Catholic University of Puerto Rico, Interamerican University, Sacred Heart University and the Ana G. Mendez Foundation.

In addition, Los Angeles, California; Philadelphia, Pennsylvania; St. Louis, Missouri; and Norfolk, Virginia are scheduled to receive more modest awards to initiate activities at sites for prospective centers. It is anticipated that additional centers will be created next year.

**900 Fellowships To Be Awarded**

The National Science Foundation will award approximately 900 fellowships in Spring 1989 for advanced study to help meet a continuing national need for qualified scientists and engineers. Included are 750 NSF Graduate Fellowships, 100 NSF Minority Graduate Fellowships, and approximately 50 NATO Postdoctoral Fellowships.

Competition for the fellowships is open

to citizens and nationals of the United States. Awards are made on the basis of merit for full-time study in all fields of science, mathematics and engineering, including interdisciplinary and multidisciplinary areas.

**NSF Graduate Fellowships** are awarded for study leading to a master's or doctoral degree at any nonprofit U.S. or foreign institution of higher education offering advanced degrees in science or engineering. In 1989 NSF will mark the award of its 25,000th Graduate Fellowship since the inception of the program in 1952.

**NSF Minority Graduate Fellowships** are available to students of minority groups under-represented at advanced levels of science and engineering. Applications are limited to individuals with no more than 30 semester or 45 quarter hours of post-baccalaureate study and without a medical degree at the time of application.

**NATO Postdoctoral Fellowships** are awarded for advanced study outside the United States in a NATO member country. Consideration is also given to those wishing to study at multinational institutions having strong NATO associations but located in other countries.

Application deadlines for the above fellowships to be awarded in 1989 have already passed. For future announcements contact:

(For Graduate and Minority Graduate Fellowships) Fellowship Office, National Research Council, 2101 Constitution Avenue NW, Washington, DC 20418; telephone (202) 334-2872.

(For NATO Postdoctoral Fellowships) Division of Research Career Development, Directorate for Science and Engineering Education, National Science Foundation, Washington, DC 20550; telephone (202) 3577536.

**NSF Postdoctoral Fellowships**

The NSF offers Postdoctoral Fellowships specifically in:

Mathematical sciences—contact Dr. Elbert A. Walker, Division of Mathematical Sciences (202) 357-3453;

Chemical sciences—contact Dr. Seymour J. Lapporte, Division of Chemistry (202) 3577503;

Studies in science, technology, and society—contact Dr. Ronald J. Overmann, Division of Social and Economic Science (202) 3577492.

**Visits to Foreign Centers of Excellence**

For information of "Long and Medium-Term Research Visits for Scientists and Engineers at Foreign Centers of Excellence," contact Manfred J. Cziesla at (202) 357-9700.

**DOE Notes**

**7th Annual SBIR Solicitation Is Open**


The Department of Energy is inviting small business firms to submit proposals under its seventh annual solicitation for the Small Business Innovation Research (SBIR) program.

Proposals will be reviewed competitively, and approximately 120 winners will receive contracts of up to \$50,000 to explore the feasibility of their ideas. Up to \$500,000 will be available in Phase II for ideas with the highest potential to meet SBIR program objectives. Firms with strong research capabilities in science and engineering in any of 34 technical topics are encouraged to participate.

The closing date for receipt of proposals is **February 16, 1989**. For a copy of the solicitation, small businesses (500 employees or fewer) are invited to write to:

SBIR Program Manager  
U.S. Department of Energy  
Washington, DC 20545  
Telephone (301) 353-5707





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