

NONACCEPTANCE OF PROGRAM PROJECT
AND CENTER APPLICATIONS,
NATIONAL INSTITUTE OF ALLERGY
AND INFECTIOUS DISEASES

The National Institute of Allergy
and Infectious Diseases announces
that after the June 1, 1978, receipt
date it will no longer accept
applications for center grants except

in response to specific requests for applications (RFAs). Further,
individuals considering submission of program project applications
to NIAID are advised to contact Institute staff concerning receptivity
prior to development of the proposal. NIAID plans to publish Requests
for Applications for fiscal year 1979 in the NIH Guide for Grants and
Contracts subsequent to June 1, 1978.

SOCIAL AND BEHAVIORAL RESEARCH
GRANT APPLICATIONS SOUGHT BY THE
NATIONAL INSTITUTE OF
DENTAL RESEARCH

The National Institute of Dental
Research (NIDR) invites applications
for basic and applied research in
psychology, social psychology,
sociology, cultural anthropology,

epidemiology, health education, political sciences, economics, and
other related disciplines whose theories and methodologies can be
directed to improving understanding of oral diseases and conditions.
The studies proposed should increase knowledge of relationships between
specific social or behavioral factors and the incidence and prevalence,
etiology, prevention, diagnosis, or treatment of oral diseases. A
long-range goal of NIDR's overall research effort is to reduce both
morbidity and costs associated with oral diseases and their treatment.

Preliminary drafts of the proposal and any other inquiries regarding this
program may be addressed to either Dr. Aaron Ganz or Dr. Patricia Bryant,
Pain and Behavioral Studies Program Area, National Institutes of Health,
Room 505, Westwood Building, Bethesda, Maryland 20014 (telephone:
[301] 496-7491). Application kits may be obtained from ORA at 373-5925.
Deadline date is November 1.

REVISION OF REQUIREMENTS FOR
RESEARCH PROJECT GRANT
APPLICATION (FORM PHS 398)

The number of pages in research
project grant applications submitted
to the National Institutes of Health
(NIH) and to the Alcohol, Drug Abuse,

and Mental Health Administration (ADAMHA) has been increasing steadily
over the past several years. This continuing growth in the volume
of written materials being handled by the grants peer review system is
not working to the advantage of either the applicants or the NIH/ADAMHA.
There is no apparent correlation between the size of a grant application
and the likelihood that it lead to an award. Moreover, the increased
burden on the reviewers is making it continually more difficult to
perform a thorough assessment of the technical merit of grant appli-
cations within the time periods and resources that can realistically

(continued)

be allotted for this purpose. Thus, the interests of all concerned would be served well if investigators would strive to limit the number of pages in their grant applications to the minimum that is needed to present and justify their requests. It is recognized that there are many factors that may contribute to making the size of the "research plan" shorter or longer. We ask, however, that you carefully review the information provided to ensure that it is concise and that any redundancy is eliminated.

An internal NIH committee, with ADAMHA representation, is now working to revise the instructions and format for the grant application form. Until the committee's work is completed, investigators are asked to observe the following in preparing research project grant (R01) applications submitted to NIH and ADAMHA beginning with the October-November 1978 receipt dates:

1. Submit biographical sketches of no longer than three pages in accordance with the current instructions. An investigator's personal bibliography does not need to be exhaustive. Only representative and pertinent publications should be listed.
2. Give careful consideration to the number of pages used in preparing the "research plan."

Your cooperation will be appreciated. It will hopefully allay the need for more rigid instructions.

SENIOR INTERNATIONAL FELLOWSHIPS
FOGARTY INTERNATIONAL CENTER

The Senior International Fellowship of the Fogarty International Center, NIH, provides opportunities to U.S. biomedical research and graduate level educational institutions to nominate outstanding staff members at mid-career, who have demonstrated productive scholarship and recognized stature in their profession, to go abroad to study and share their expertise as representatives of the best in the American health sciences. It is intended that this award be a career-enhancing educational experience with mutual benefits to all involved.

Application kits will be available in July and are sent only upon request from the offices of Deans or equivalent institutional officials. In addition to a project description and other supporting material, applications require nomination by the U.S. institution and a letter of invitation by a foreign host institution. The deadline for receipt of applications at NIH is December 1, 1978, with final selection by May 1979.

Further information may be obtained from: Senior International Fellowship Program, Scholars and Fellowships Program Branch, Fogarty International Center, National Institutes of Health, Bethesda, Maryland 20014. Write in care of Dr. Mark S. Beaubien, or phone [301] 496-1653.

NIH ISSUES REQUESTS
FOR PROPOSALS

Following is a list of requests
issued by NIH for various RFP's.

Application materials shall be
obtained directly from NIH by written request to individual and/or
institute noted. It is necessary to include the RFP number sited in
the request and include a self-addressed mailing label.

RFP Number

Project

RFP-NIH-NIAID-MIDP-79-1
Proposal Due: 9/10/78

Rabbit Skin and Mouse Protection Tests

RFP-NIH-NIAID-MIDP-79-2
Proposal Due: 9/10/78

Dog Model for Chlorea

Application material available July 10 from: Chief, Contract
Management Branch, NIAID, NIH, Westwood Building, Room 707,
5333 Westbard Avenue, Bethesda, Maryland 20014.

RFP-N01-CN-85417-06
Proposal Due: Not noted

A-Pain Control in Cancer

Application material available after mid-June '78 from: Contracting
Officer, NCI, Blair Building, Room 224, Attention: Mr. John Campbell, Jr.,
Bethesda, Maryland 20014.

AVAILABILITY OF A P4 LABORATORY
FOR RECOMBINANT DNA RESEARCH

The NIH now has a certified facility
of limited size at Frederick, Maryland,
to accommodate recombinant DNA

molecule research at the P4 level. In order to satisfy immediate
research needs, this is one of a small array of existing high-containment
laboratories being made available at the P4 level. While this laboratory
will be initially dedicated to a series of high priority risk-assessment
studies it is expected that the facility will become available for the
conduct of experiments by other scientists near the end of 1978.
Another P4 facility at the NIH is expected to be certified at about the
same time.

NIH will accept applications from investigators to work in the P4
facilities and the due date for applications is October 1, 1978.

Applications will be accepted from any scientists receiving funds from a
U.S. Federal agency (e.g., staff scientists, grantees or contractors of
NIH, NSF, USDA, etc.) or scientists supported by U.S. nonprofit private
foundations (e.g., the American Cancer Society, the Leukemia Society of
America, the Helen Hay Whitney Foundation), privately endowed research
institutions, etc.

Application for use of the P4 laboratories should be submitted to the
Office of Recombinant DNA Activities, Room 4A52, Building 31, National
Institutes of Health, Bethesda, Maryland 20014, and the following
information must be included:

(continued)

- a. A description of the project justifying the use of a P4 facility and evidence that the proposed experiments are an integral part of ongoing studies.
- b. A properly executed Memorandum of Understanding and Agreement for the proposed project which has been reviewed and approved by the applicant's Institutional Biohazards Committee.
- c. Estimates of the time required for the experiments in the P4 facility, technical staff assistance needed, and a listing of highly specialized equipment, instrumentation, or other resources required.

Priority rankings of approved projects will be used in determining the order of access to the P4 facilities and will be assigned to the applications by the NIH Executive Recombinant DNA Committee supplemented by ad hoc consultants. Special consideration will be given to risk-assessment experiments. Applicants will then be notified of the approximate period of time when the P4 laboratory will be available for their use and the arrangements will be confirmed three months in advance. In most cases, the investigators may not be required to bring their own technicians. A resident staff trained in the proper use of the P4 facilities and in the general techniques employed in recombinant DNA research will be available to assist the visiting investigator.

Complete details for accommodating the visiting investigator will be developed by the Office of Specialized Research and Facilities, National Institute of Allergy and Infectious Diseases. There will be no fee for the use of the facility. NIH will supply staff support and some materials (glassware, media, etc.) but will not pay for transportation or per diem of the guest investigators or research materials specific to an individual project.

RFP TO BE ISSUED FOR FOUR NSF
UNIVERSITY SURVEY SYSTEMS

NSF expects to award a contract in
in November 1978 for a 13-month
period, with a level of effort of

approximately 3 1/2-man-years, for four NSF University Survey Systems:

(1) The Survey of Scientific and Engineering Expenditures at Universities and Colleges; (2) The Survey of Scientific and Engineering Personnel Employed at Universities and Colleges, January 1979; (3) The Survey of Federal Support to Universities, Colleges and Selected Nonprofit Institutions, FY 1978; and (4) The Survey of Graduate Science Student Support and Postdoctorals, Fall 1978. The scope of work consists of 3 components. First, for all four surveys, the contractor will provide software support to process and tabulate data, including: editing of data submitted by respondents; resolution of respondent errors; imputation of data for nonresponse; production of statistical tabulations based on existing or modified software system; and relating results of the surveys to the higher education community by conducting a meeting of the national advisory panel.

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NSF'S ORGANIZATIONAL PRIOR APPROVAL SYSTEM

The National Science Foundation (NSF) has issued new guidelines which are intended to standardize and simplify

prior approval requirements for certain types of expenditures. Effective immediately, the NSF has delegated authority to the University of Minnesota to review and approve expenditures in the following categories:

- (1) authorization and renovation expenditures under \$1,000
- (2) cumulative equipment expenditures which exceed the awarded amount by more than 25 percent,
- (3) cumulative expenditures for domestic travel which exceed the awarded amount by \$500 or 25 percent, whichever is greater.

In order to initiate the organizational prior approval system, the following procedures must be followed:

- (1) The principal investigator must initiate the request in writing providing complete justification of the requested expenditure, the identification of the budget categories affected, and the amount of the expenditures.
- (2) The request must be reviewed and approved by the principal investigator's department chairman. This review is necessary to determine scientific propriety, project relevance, and effective utilization of organizational resources. Where the principal investigator is also the department chairman, the dean of the college or his/her designee must provide the review and approval.
- (3) Upon securing approval in (2) above, the request must be forwarded to the Office of Research Administration for final review and approval.

The following table summarizes the prior approval requirements generally applicable to NSF grants. Individuals requiring any further information on these prior approval items or those not specifically addressed should contact Judith Krzyzek at 373-2784, Office of Research Administration.

(continued)

Type of Expenditures

	<u>Prior Approval Required by:</u>
1. Alterations and renovations:	
a. under \$1,000	OPAS
b. \$1,000 or more	Grants Officer
2. Capital expenditures for land, buildings or repairs	Grants Officer
3. Contractual approvals required by other articles	
Equipment	
a. Special purpose: \$1,000 or more	Program Officer
b. General purpose	Grants Officer
c. Cumulative expenditures which exceed budgeted amount by more than 25 percent	OPAS
4. News release costs	Program Officer
5. Participant support costs: Transfer of funds to other categories of expense	Program Officer
6. Preaward costs	Grants Officer
7. Commercial production or distribution of books, films, etc.	Grants Officer
8. Rental or lease of facilities	Grants Officer
9. Travel:	
a. Each foreign trip and its costs	Program Officer
b. Cumulative domestic travel expenditures which exceed budgeted amount by \$500 or 25 percent, whichever is greater	OPAS
c. Dependent foreign travel	Program Officer

**NATIONAL MANPOWER TRAINING
RESIDENCIES AVAILABLE**

The National Institute on Drug Abuse has announced a limited number of National Manpower Training System residencies for the fall and winter quarters of this upcoming year. The residencies are supervised by the staff of the National Drug Abuse Center for Training in Resource Development.

The University of Minnesota Office of Alcohol and Other Drug Abuse Programming has application materials available and will work with the students and faculty in the preparation of such applications. Travel and per diem, supervision, secretarial support, editorial assistance and office space will be available if the applicant is accepted for one of the 90-day on-site residencies at the National Drug Abuse Center. NIDA is particularly interested in master's and doctoral candidates who can successfully negotiate with their academic department to obtain academic credit for the residency experience.

For more details, contact the Office of Alcohol and Other Drug Abuse Programming, 2829 University Ave. S.E., Office 744, University Park Plaza, Minneapolis, Minnesota 55414 (376-3150).

Second, for the Graduate Student Survey only, the Contractor will also be responsible for all phases of the survey, from mailout of questionnaires through table production. Third, the contractor will be required to utilize the four-survey integrated data base to provide NSF with technical support in responding to data requests concerning the state of higher education and to conduct special analytical studies.

The RFP contains a clause giving the Government options to renew the contract for two additional years. Organizations interested in receiving copies of the RFP if and when it is released should write for RFP 78-116: Division of Grants and Contracts, National Science Foundation, 1800 G Street, N.W., Room 201, Washington, D.C. 20550, Attention: L. Brown (RFP 78-116).

DOT RESEARCH FELLOW PROGRAM

The Department of Transportation (DOT) invites proposals for participation in the DOT Research Fellow Program. Proposals accepted from qualified full-time faculty members at accredited universities or colleges to serve as a DOT Research Fellow in the U.S. Department of Transportation. For further information, contact Ms. Donna Smith at 373-2785.

**DEPARTMENT OF ENERGY SETS
JULY 7 DEADLINE FOR PROPOSALS
IN FOSSIL ENERGY PROGRAM!**

The U.S. Department of Energy sets deadline of July 7 for receipt of proposals for Distinguished Scientist/Engineer Grants in their Fossil Energy Program. Grants will be funded for a maximum of three years. The objective of this program is to encourage scientists and engineers of demonstrated creative ability, who are not now currently working on research problems of direct interest to the Fossil Energy Program of the Department of Energy, to initiate novel, exploratory research programs which allow the application of the skills, achievements, and expertise of their current work to the technical problems associated with the production, conversion, or utilization of fossil energy resources. For guidelines, call Ms. Donna Smith at 373-2785.

USDA--COMPETITIVE GRANTS PROGRAM

USDA--Competitive Grants Program announces that "Murphy's Law" has once again prevailed and prevented them from formally acknowledging receipt of each proposal. Program Managers have endeavored to advise prospective principal investigators that their proposal was received. Anticipated commencement of awards is late summer. For further information, call Ms. Donna Smith, Office of Research Administration, 373-2785.

N.E.A. SEEKS STUDY OF CREATIVE PERSONNEL IN MEDIA FIELDS OF RADIO, TV, FILM

The National Endowment for the Arts (NEA) is seeking a study of creative personnel in the media fields of radio, TV, and film. The study will

require the collection and analysis of both published and unpublished data about the creative personnel, and assess their condition and needs and the potential impact of technical and industry economic developments. For further details write to: Research Division, MS 562, National Endowment for the Arts, Washington, D.C. 20506. Please include two self-addressed mailing labels.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925:

National Institutes of Health

Research Grants, new	November 1
Research Grants, supplemental/renewals	October 1
NICHS, Research Grants, Occupational Health and Safety, Preventive Diseases	November 1
NIA, Special Initiative Grants, Research on Aging.	November 1
NIA, New Investigators, Aging, Special Research Awards . . .	November 1
NHLBI, Pulmonary Ciliary Structure and Function Research . .	November 1
NHLBI, In Vitro Responses of the Lung to Pathogenetic Substances Research.	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems Research.	November 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis	November 1
NIAMDD, RFA: Vitiligo: Pathophysiologic Mechanisms.	November 1
NEY, Studies of the Human Visual System in Health and Disease Using Modern Techniques of Psychophysics and Physiological Optics	November 1
NIAID, Studies on Respiratory Disease Agents	November 1
NIGMS, Research Centers and Program Projects (Letter of Intent requested 3 months prior to established deadline) .	November 1
NIEHS, Young Environmental Scientist Research Grant Program.	November 1
NICHD, RFA: Health Promotion and Prevention of Smoking and Other Behaviors Detrimental to Health (Letter of Intent due September 15)	November 1
Research Career Development Awards	October 1

National Institutes of Health (cont.)

NIAMDD, Multipurpose Arthritis Center (Letter of Intent due November 1)	February 1, '79
NIAMDD, Diabetes Research and Training Centers (Letter of Intent due by November 1)	February 1, '79
NIAMDD, Core Center Grant Award Diabetes Program (Letter of Intent was requested by July 1)	October 1
NIAID, RFA: International Collaboration in Infectious Disease Research (Letter of Intent due November 1)	January 15, '79
NIGMS/NINCDS/NICHHD/NEI/NIAMDD/NHLBI: Development and Evaluation of New Therapies for Rare Genetic Diseases.	November 1
NIDR, Social and Behavioral Research Grant	November 1
Fogarty International Center, Sr. International Fellowships.	December 1
NHLBI, RFA: Interdisciplinary Studies on the Role of the Central Nervous System in Hypertension (Letter of Intent by July 7).	September 15
NINCDS, RFA: Development of New Anticonvulsant Compounds	November 1
NICHHD, RFA: Research on Trisomy 21 (Down's Syndrome)	November 1
NIAMDD, Manpower Development Programs in Diabetes, Endocrinology, and Metabolic Disease	October 1
NIA, Individual Postdoctoral Fellowships	October 1
NIAID, Respiratory Disease Research.	November 1
Alcohol, Drug Abuse and Mental Health Administration	
Research Grants, new	November 1
Research Grants, supplemental/renewal.	October 1
NIMH, Small Grants Research Program.	August 1
Office of Human Development	
Model Projects on Aging Program.	September 1
Cooperative Research and Demonstration Projects.	October 31
Child Welfare Research and Demonstration Grants Program.	July 21
Child Abuse and Neglect Grants Program	July 14 & September 30
Health Resources Administration	
NCHSR, Health Manpower Research.	November 1
NCHSR, Conference Grant Support.	Open
Division of Nursing, Institutional Grants (NRSA)	October 1
Health Care Financing Administration	
HCFA, Health Financing Research and Demonstration Grants	July 10 & October 2
National Institute of Education	
Grant for Research on Organizational Processes in Education.	August 15
Unsolicited Proposals.	October 31

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: January/February 1979)--Programs include: Geochemistry, Geology, and Geophysics (including Earthquake Research)	July 15
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National Science Foundation (cont.)

- Program Solicitation--NSF 78-24: Study Programs in Science and Technology Policy Research (Division of Policy Research and Analysis) July 17
- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: January/February 1979)--Programs include: Anthropology, Memory and Cognitive Processes, Psychobiology, and Sensory Physiology and Perception. July 31
- Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: January/February 1979)--Programs include: Condensed Matter Theory, Low Temperature Physics, Solid State Chemistry, and Solid State Physics. July 31
- Ethics and Values in Science and Technology (EVIST)--Formal Proposals with the earliest starting date of 2/1/79. August 1
- Public Understanding of Science (PUOS) Program August 1
- Unsolicited Research Proposals for the Division of Social Sciences (Proposed Starting Dates: January/February 1979)--Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Soil Indicators, Sociology, and Special Projects. August 15
- Unsolicited Research Proposals for Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: February 1979)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics August 15
- U.S.-Japan Cooperative Science Program (for Visiting Scientists) August 31
- Unsolicited Research Proposals for the Social Psychology Program (Proposed Starting Date: January 1979) August 31
- Arctic Research Program. September 1
- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Date: January 1979)--Areas of Interest include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment. September 1
- U.S.-Australia Cooperative Science Program (for long-term visits to start between April 1, 1979 and September 30, 1979). September 1
- U.S.-India Exchange of Scientists (for international travel to start after May 15, 1979) September 15
- Undergraduate Research Participation September 15
- U.S.-Australia Cooperative Science Program (for joint seminars and workshops to start between July 1, 1979 and December 1, 1979). October 1
- U.S.-New Zealand Cooperative Science Program (for long-term visits with starting dates between June 1, 1979 and November 30, 1979) October 1
- Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1979)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology. November 1

National Science Foundation (cont.)

- (Tentative) Regional Research Conferences in the
 Mathematical Sciences. November 15
- Unsolicited Research Proposals for the Division of
 Environmental Biology (Proposed Starting Dates: June/
 July 1979)--Programs include: Ecology, Ecosystem Studies,
 Population Biology and Physiological Ecology, and Systematic
 Biology. November 15
- Unsolicited Research Proposals for the Division of Earth
 Sciences (Proposed Starting Dates: June/July 1979)--Programs
 include: Geochemistry, Geology, and Geophysics (including
 Earthquake Research) November 15
- Computer Science Research Equipment Proposals. December 1

PRIVATE

Questions regarding the following deadlines should be referred
 to ORA at 373-1960.

- American Cancer Society
 Personnel for Research October 1
- American Heart Association
 Grants In Aid. October 1
- American Lung Association
 Institution Training Grants. October 15
 Institution Pediatric Training Grants. October 15
 Training Fellowships October 15
 Edward Livingston Trudeau Fellowship October 15
- The Arthritis Foundation
 Research Grants. October 1
- Damon Runyon-Walter Winchell Cancer Fund August 15
- Deafness Research Foundation
 Research Grants. August 15
- Diabetes Research Fund
 Research Grants. September 1
- Exxon Education Foundation
 Educational Research and Development Program September 1 &
 December 1
- Helen Hay Whitney Foundation
 Postdoctoral Research Grants August 15
- Jessie Smith Noyes Foundation. October 1
- Josiah Macy Jr. Foundation
 Faculty Scholar Award Program. October 1
- Leukemia Society of America, Inc.
 Scholar Program. October 1
 Special Fellow Program October 1
 Fellow Program October 1
- Minnesota Humanities Commission. July 14 &
 September 15
- Minnesota Medical Foundation
 Small Grants Program September 30
- Minnesota State Arts Board October 15

ORA RDC Newsletter

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DEPARTMENT OF ENERGY SEEKS PROPOSALS

The Department of Energy seeks proposals for its 1979 Faculty Development Projects and for special studies.

The deadline is September 15, 1978. Expected support level is less than \$40,000 per study--\$16,000 average. The specific objectives of the program are (1) to improve teachers' knowledge of energy-related matters and (2) to develop and maintain communication and cooperation between high school, college, and university teachers on energy-related matters. Fiscal 1979 proposals are specifically solicited in the areas of general energy education and energy conservation.

Guidelines for proposal preparation will be available in ORA by calling 373-2785. Questions regarding program information can be directed to Mr. Donald Duggan, Chief, Academic Programs Branch, Education Programs Division, U.S. Department of Energy, Washington, D.C. 20545, or telephone (202) 376-9211.

NEW RESEARCH COST ANALYST JOINS ORA

Mr. Ed Tickner has joined the Office of Research Administration as a Research Cost Analyst. Mr. Tickner's

responsibilities will include the development of the University's indirect cost rate, fringe benefit rate, departmental service center rate developments, and other accounting matters relating to sponsored programs. Mr. Tickner has been employed at the University of Minnesota's Department of Audits for the past four years. This experience will be of considerable benefit to ORA and to units engaged in sponsored programs. Mr. Tickner will begin to develop procedures for establishing rates for departmental service centers. As soon as these procedures are finalized, he will contact departments to schedule review of existing recharge rates of the service center. You may contact Mr. Tickner at 373-5959.

NSF DETAILS PROGRAMS OF DIRECTORATE OF APPLIED SCIENCE AND RESEARCH APPLICATIONS

The National Science Foundation (NSF) has issued a brochure describing the major program elements and objectives of the Directorate for Applied Science

Research Applications (ASRA), which replaced the Research for National

- Needs (RANN) program. Principal program elements and areas of emphasis are:
- 1) Division of Integrated Basic Research (IBR), which supports basic research having a high relevance to major problems.
 - 2) Division of Applied Research (AR), with two major subdivisions:
 - 1) Applied Social and Behavioral Sciences, which funds studies in:
 - a) Public Policy and Regulations; b) Public Service Delivery and Urban Problems; c) Industrial Organizations and Markets; and d) Individual and Group Processes.
 - 2) Applied Physical, Mathematical, and Biological Sciences and Engineering, which funds studies in:
 - a) Physical, mathematical, and engineering applications; b) biological and ecological applications; and c) geophysical and environmental applications.
 - 3) Division of Problem-Focused Research Applications (PFRA), which has four current areas of program emphasis:
 - a) Earthquake Hazards Mitigation, with components in siting, design, and policy; b) Chemical Threats to Man and the Environment; c) Alternative Biological Sources of Materials; and d) Community Water Management.
 - 4) Division of Intergovernmental Science and Public Technology (ISPT), with two major programs:
 - 1) Intergovernmental Program, with components in
 - a) Local Government, and b) State Government.
 - 2) Industrial Program.
 - 5) Office of Problem Analysis (OPA).

NSF SETS NOVEMBER DATE FOR
GRANTS FOR COMPUTER RESEARCH

The National Science Foundation has set a November 1 receipt deadline for grant proposals to support Research in Computer Science, Computer Engineering, and Computer Applications. Eligible are colleges and universities, industry, and other organizations. NSF encourages collaboration of computer scientists with researchers in other disciplines on projects of common interest. Topics of interest include, but are not limited to: (a) theoretical computer science, (b) software systems science, (c) software engineering, (d) intelligent systems, (e) computer systems design, (f) and special projects--including privacy in computer systems and human/machine interface. For additional information contact: Computer Science Section, Division of Mathematical and Computer Sciences, NSF, Washington, D.C. 20550, or telephone (202) 632-7346.

The National Science Foundation has set a November 1 receipt deadline for grant proposals to support Research in

NSF NATIONAL NEEDS DEADLINE
IS CHANGED

The Fellowship Office of the National Research Council has announced that the deadline date for submission of applications for the 1979 National Science Foundation National Needs Postdoctoral Fellowship competition will be November 3. This is one month earlier than in previous years. The opening of the competition

will be announced in early September and application materials will be available upon request at that time.

The program is open to U.S. citizens who will have held a doctoral degree for no more than five years as of November 3 in the mathematical, physical, medical, biological, engineering, or social sciences, or in interdisciplinary areas. Each applicant must present an acceptable plan of scientific research which relates to a national need or problem.

Application materials should be requested in early September in order to meet the November 3 deadline. Under contract with NSF, the National Research Council receives applications and conducts evaluative services for the program. All inquiries and requests for application materials should be addressed to the Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

METAL EXTRACTIONS

Proposals to determine ability of established technology or new unique systems to extract metals economically from sludge are being sought by the Environmental Protection Agency. Methods (which can be a device, process, or system) are sought to remove heavy metals such as cadmium, zinc, copper, nickel, and others from municipal wastewater sludges. All removal methods, whether based on existing technology or on new technology, will be considered. Methods of removal can be based on mechanical separation such as by centrifugal force or other physical means, or on liquid separation such as by a selective solvent or other chemical means.

Workability and economic attractiveness of the removal method will be of utmost consideration. Depending on the state of advancement of proposed removal method, the contractor will develop and demonstrate the method either at bench or pilot scale. Contractor will prepare, including necessary engineering drawings, a report covering construction, operation, evaluation, and performance of the removal method.

Write: Negotiated Contracts Branch, Contracts Management Division, Environmental Research Center, EPA, Cincinnati, Ohio 45268. Reference: RFP CI 78-0295.

AEROSOL FORMATION STUDIES

Studies on aerosol formation studies involving SO₂ and diesel exhaust in smog chambers are being sought by the Environmental Protection Agency. The information will be used in the Aerosol Research Branch's basic research program to establish the impact of increased usage of diesel powered autos on the air pollution problems of the 1980s. Write: EPA, Contracts Management Division (MD-33), Office of Administration, Attn: NCCM-L, Research Triangle Park, North Carolina 27711. Reference: RFP DU-78-B188.

COLUMBIA UNIVERSITY SOCIETY OF
FELLOWS IN THE HUMANITIES

William R. Kenan Trust, has available a number of postdoctoral fellowships in the humanities for the academic year 1979-80. Applicants must have received the Ph.D. between January 1, 1977 and July 1, 1979.

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the

The appointment as Fellow is for one year. It is ordinarily renewed for a second year and in exceptional circumstances for a third. The stipend is \$14,000 and Fellows are expected to teach one course the first year (generally two courses the second year), along with carrying out independent research.

Apply to the Director, Room 1509, International Affairs Building, Columbia University, 420 West 118th Street, New York, New York 10027. Additional information is available from the Graduate Fellowship Office, 422 Johnston Hall (373-2833). Application Deadline: November 1, 1978.

OFFICE OF CRIMINAL JUSTICE
EDUCATION AND TRAINING
SOLICITATION

The Office of Criminal Justice Education and Training and the National Institute of Law Enforcement and Criminal Justice announce the fifth

annual graduate research fellowship program competition. This program provides financial support up to \$10,000 for doctoral candidates writing dissertations in crime-related fields. Doctoral candidates in crime-related fields of study who have finished their coursework and require support while they are writing their dissertations are eligible to compete for grants.

Candidates must submit a brief concept paper describing the project to the Office of Criminal Justice Education and Training by October 1, 1978. These concept papers are reviewed by qualified criminal justice academicians and a panel of LEAA specialists. The universities enrolling those candidates whose concept papers are selected following these two levels of review, will be invited to submit formal applications by January 1, 1979. Final selection of fellows will be made following review of the formal applications. Grant awards will be made between March 1 and April 1, 1979.

Further information and copies of the Guidelines for this program may be obtained by contacting Mary Ellen Brace, Office of Criminal Justice Education and Training, 633 Indiana Avenue N.W., Washington, D.C. 20531, or by calling (202) 376-3560.

NEA SETS DATES FOR 1979 WORK
EXPERIENCE INTERNSHIP PROGRAM

The National Endowment for the Arts
(NEA) has set deadline dates for the
three 1979 Work Experience Internship
Program sessions.

Deadline

September 22, 1978
January 22, 1979
May 11, 1979

Program Date

Spring--February 5-May 4, 1979;
Summer--June 4-August 31, 1979;
Fall--September 24-December 21, 1979.

The program enables individuals to work as members of the N.E.A. staff for 13 weeks. They additionally participate in seminars, attend staff meetings with the National Council of the Arts, and participate in a variety of activities. Applicants must be sponsored by a college or university, State arts agency, or other non-profit tax-exempt arts organizations. Each intern receives a stipend of \$2,480 plus travel. Participants are selected on the basis of academic background and prior professional experience. Interns have come from faculty and administrative positions, as well as from non-academic positions. For further information and application forms contact: Kathleen Bannon, Intern Program Administrator, Mail Stop 557, N.E.A., Washington, D.C. 20506, or call (202) 634-6380.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925:

National Institutes of Health

- Research Grants, new November 1
- Research Grants, supplemental/renewals October 1
- NICHS, Research Grants, Occupational Health and Safety,
Preventive Diseases November 1
- NIA, Special Initiative Grants, Research on Aging. November 1
- NIA, New Investigators, Aging, Special Research Awards . . . November 1
- NHLBI, Pulmonary Ciliary Structure and Function Research . . November 1
- NHLBI, In Vitro Responses of the Lung to Pathogenetic
Substances Research. November 1
- NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: Studies of
Diabetes Mellitus and Related Problems Research. November 1
- NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical
Studies of Cystic Fibrosis November 1
- NIAMDD,RFA: Vitiligo: Pathophysiologic Mechanisms. November 1
- NEY, Studies of the Human Visual System in Health and
Disease Using Modern Techniques of Psychophysics
and Physiological Optics November 1

National Institutes of Health (cont.)	
NIAID, Studies on Respiratory Disease Agents	November 1
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NICHD, RFA: Health Promotion and Prevention of Smoking and Other Behaviors Detrimental to Health (Letter of Intent due September 15)	November 1
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NIGMS/NINCDS/NICHD/NEI/NIAMDD/NHLBI: Development and Evaluation of New Therapies for Rare Genetic Diseases.	November 1
NIDR, Social and Behavioral Research Grant	November 1
Fogarty International Center, Sr. International Fellowships.	December 1
NHLBI, RFA: Interdisciplinary Studies on the Role of the Central Nervous System in Hypertension (Letter of Intent by July 7).	September 15
NINCDS, RFA: Development of New Anticonvulsant Compounds	November 1
NICHD, RFA: Research on Trisomy 21 (Down's Syndrome)	November 1
NIAMDD, Manpower Development Programs in Diabetes, Endocrinology, and Metabolic Disease	October 1
NIEHS, Academic Investigator Award--Toxicology	October 1
NIAID, Respiratory Disease Research.	November 1
NIEHS, Individual Postdoctoral Fellowships	October 1
NIDR, Specialized Clinical Research Centers for Periodontal Disease	October 15
NCI, CREG: Experimental Combined Mortality.	November 1
NINCD, Research Grants in Field of Local Neuronal Interactions	November 1
Alcohol, Drug Abuse and Mental Health Administration	
Research Grants, new	November 1
Research Grants, supplemental/renewal.	October 1
Office of Human Development	
Model Projects on Aging Program.	September 1
Cooperative Research and Demonstration Projects.	October 31
Child Abuse and Neglect Grants Program	September 30
Health Resources Administration	
NCHSR, Conference Grant Support.	Open
Division of Nursing, Institutional Grants (NRSA)	October 1
Health Care Financing Administration	
HCFA, Health Financing Research and Demonstration Grants	October 2
National Institute of Education	
Grant for Research on Organizational Processes in Education.	August 15
Unsolicited Proposals.	October 31

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

- Arctic Research Program. September 1
- Ethics and Values in Science and Technology (EVIST)--
Preliminary Proposals with the earliest starting date
of June 1979 September 1
- Unsolicited Research Proposals for the Division of
Policy Research and Analysis (Proposed Starting Date:
January 1979)--Areas of Interest include: Environment
Energy and Resources, Innovation Processes and their
Management, Socioeconomic Effects of Science and
Technology, and Technology Assessment. September 1
- U.S.-Australia Cooperative Science Program (for long-term
visits to start between April 1, 1979
and September 30, 1979). September 1
- U.S.-India Exchange of Scientists (for international travel
to start after May 15, 1979) September 15
- Public Understanding of Science (PUOS) Program--Preliminary
Proposals (Formal proposals due December 1, 1978). October 1
- U.S.-New Zealand Cooperative Science Program (for long-term
visits with starting dates between June 1, 1979
and November 30, 1979) October 1
- Unsolicited Research Proposals for the Division of Earth
Sciences (Proposed Starting Dates: June/July 1979)--Programs
include: Geochemistry, Geology, and Geophysics (including
Earthquake Research) November 1
- Unsolicited Research Proposals for the Division of
Mathematical and Computer Sciences (Proposed Starting Dates:
June thru August 1979)--Programs include: For Computer
Sciences: Computer Systems Design, Intelligent Systems,
Software Engineering, Software Systems Science, Special
Projects, and Theoretical Computer Science; For Mathematical
Sciences: Algebra, Applied Mathematics and Statistics,
Classical Analysis and Geometry, Modern Analysis and
Probability, and Topology and Foundations. November 1
- Unsolicited Research Proposals for the Division of
Physiology, Cellular and Molecular Biology (Proposed
Starting Dates: July/August 1979)--Programs include:
Biochemistry, Biophysics, Cell Biology, Developmental
Biology, Genetic Biology, Human Cell Biology, Metabolic
Biology, and Regulatory Biology. November 1
- National Needs Postdoctoral Fellowships Program. November 3
- Unsolicited Research Proposals for the Division of
Environmental Biology (Proposed Starting Dates: June/
July 1979)--Programs include: Ecology, Ecosystem Studies,
Population Biology and Physiological Ecology, and Systematic
Biology. November 15

National Science Foundation (cont.)

Regional Research Conferences in the Mathematical Sciences	November 15
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: June/July 1979)--Programs include: Anthropology, Memory and Cognitive Processes, Psychobiology, and Sensory Physiology and Perception	November 30
Scientists and Engineers in Economic Development (SEED) Program	December 1
Computer Science Research Equipment Proposals.	December 1
Unsolicited Research Proposals in the Division of Social Sciences (Proposed Starting Dates: June/July 1979)--Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Social Indicators, Sociology, and Special Projects	December 1
Science Resources Program (Manpower, Funding, and Output Analyses).	December 15
Alan T. Waterman Award	December 31
Unsolicited Research Proposals in the Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: June 1979)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	December 31

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1960.

American Cancer Society

Postdoctoral Fellowship.	October 1
Faculty Research Awards.	October 1
Scholar in Cancer Research	October 1
Research Professorship	October 1
Institutional Research Grant	November 1
Research and Clinical Investigation Grant.	November 1

American Diabetes Association

Research and Development Award	November 15
Established Investigator Award	November 15

American Heart Association

Grants in Aid.	October 1
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American Lung Association

Institution Training Grants.	October 15
Institution Pediatric Training Grants.	October 15
Training Fellowships	October 15
Edward Livingston Trudeau Fellowship	October 15
Research and Development Programs.	November 1
Allied Health Award.	November 1

The Arthritis Foundation

Research Grants.	October 1
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Damon Runyon-Walter Winchell Cancer Fund	August 15
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Deafness Research Foundation	
Research Grants	August 15
Diabetes Research Fund	
Research Grants	September 1
Exxon Education Foundation	
Educational Research and Development Program	September 1 & December 1
Helen Hay Whitney Foundation	
Postdoctoral Research Grants	August 15
International Research and Exchanges Board	
Eastern Europe	November 1
Soviet Union	November 1
Graduate Student/Young Faculty	
Senior Scholar/Ministry	
ACLS/Academy	
Summer Exchange of Language Teachers	
Preparatory Fellowship	November 1
Jessie Smith Noyes Foundation	October 1
Josiah Macy Jr. Foundation	
Faculty Scholar Award Program	October 1
Leukemia Society of America, Inc.	
Scholar Program	October 1
Special Fellow Program	October 1
Fellow Program	October 1
Minnesota Humanities Commission	September 15 & November 15
Minnesota Medical Foundation	
Small Grants Program	September 30
Minnesota State Arts Board	October 15
Morris Animal Foundation	
Research Grants	Anytime
National Cystic Fibrosis Research Foundation	
Research Grants	September 1
Research Scholar Award	September 1
Research Fellowships	September 1
The National Foundation--March of Dimes	
Research Grants	October 1
National Foundation for Ileitis and Colitis, Inc.	
Research Training Award Program	September 15
National Fund for Medical Education	
Grants for Innovative Programs in Medical Education	October 1
National Leukemia Association, Inc.	
Research Grants	June 1- September 30
National Multiple Sclerosis Society	
Research Grants	August 15
Postdoctoral Fellowships	September 15
Orthopaedic Research and Education Foundation	
Research Grants	November 1
Pharmaceutical Manufacturers Association Foundation, Inc.	
Faculty Award in Clinical Pharmacology	October 1
Faculty Award in Basic Pharmacology	October 1
Fellowships in Clinical Pharmacology	October 1
Research Starter Grants	September 1
Fellowship Program for Advanced Predoctoral Training	September 15

ORADDC Newsletter

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September, 1978

Volume VIII/No. 3

NEW INDIRECT COST RATES

The negotiation agreement for FY 1979 indirect cost rates has been recently signed. New rates are as follows:

	On-Campus		Off-Campus	
	Research	Training	Research	Training
Twin Cities Campuses ¹	53.0%	68.1%	25.3%	28.8%
St. Anthony Falls Hydraulics Lab	85.0%	N.A.	N.A.	N.A.
Hormel Institute	59.0%	N.A.	N.A.	N.A.
Duluth Campus	47.0%	46.2%	33.1%	25.5%
Morris Campus	41.1%	52.4%	30.7%	21.5%
Waseca/Crookston Campuses	N.A.	72.8%	N.A.	24.2%
Office of International Programs ²	N.A.	62.7%	N.A.	43.3%
Continuing Education & Extension ²	N.A.	42.1%	N.A.	23.5%

¹Includes Minneapolis Campus, St. Paul Campus, and Health Science Units.

²These rates are to be utilized for all programs (research and training) conducted in the academic unit.

The above rates are effective July 1, 1978. Special attention will need to be provided to those projects which may change the amount of indirect costs charged. Proposal budgets must reflect these revised rates. For details of these requirements, please contact the appropriate grant administrator in the Office of Research Administration.

FRINGE BENEFIT BILLING RATES THROUGH DECEMBER 31, 1978

Following are the correct fringe benefit billing rates for the period July 1, 1978 through December 31, 1978.

	Academic %	Civil Service %
Health Plan	3.8375	6.3759
Unemployment/Worker's Comp	.0191	1.3275
Faculty Retirement	10.4214	--
Group Life	.0475	.2493
MSRS	--	6.0000
Social Security	4.2273	5.9846
Actual Billing Rate Effective 7/1/78	18.5528	19.9373
Estimated rates to be used for budgeting after 12/31/78	19.5	21.0
6/30/80	20.5	22.0

ORA SEEKS GRANT ADMINISTRATOR

The Office of Research Administration has a position of Grant Administrator available for which the Personnel Department is currently collecting applications. If you would like any further information about this position, please contact the Personnel Department.

AMERICAN CANCER SOCIETY--
INSTITUTIONAL RESEARCH GRANT

The University of Minnesota has been awarded a renewal of its Institutional Research Grant from the American Cancer Society (ACS) for 1978-79. This fund is intended to serve as "seed" money permitting the initiation of promising new projects or novel ideas, especially by junior investigators, in cancer-related research. Encouragement of cancer research may also be facilitated by support of seminars on cancer-related topics, and by graduate student research. The fund is administered by a Dean's Committee of the Medical School with representation from other biologically-oriented colleges. The Committee is now accepting applications for individual grants not to exceed \$4,000 from this fund with a deadline of October 15, 1978. Instructions and application forms may be obtained from the committee chairman, Dr. C. F. Moldow, Department of Medicine, Room C313 Mayo Building, telephone: 373-9085.

TOXICOLOGY PROGRAM
UNDER CONSIDERATION

Scientists who study the health consequences of industrial and agricultural chemicals and toxic responses to drugs are in short supply in this country, according to Frederick Shideman, professor and head of the University's pharmacology department. In cooperation with the department of graduate studies in social and administrative pharmacy, the pharmacology department is looking for University faculty members who could help develop a research training program in toxicology.

A survey is being taken through departments whose faculty members might have related knowledge, and interested faculty members are asked to reply to Marion Anders, professor of pharmacology, 280 Lyon Laboratories, telephone 373-5112.

DIRECTORY OF FINANCIAL AIDS
FOR INTERNATIONAL ACTIVITIES

The Office of International Programs announces a new publication, the Directory of Financial Aids for International Activities. The 413-page directory contains information on grants and fellowships for international activities awarded by 190 funding agencies. Copies of the directory have been mailed to the following University offices and administrators: research officers, deans, international activities offices, and financial aid offices. Individuals may purchase copies of the directory for \$12.50 plus 4% Minnesota sales tax. All orders must be prepaid.

NSF SETS OCTOBER DATE
FOR LOCI APPLICATIONS

The National Science Foundation has set an October 3 receipt deadline for applications for Local Course Improvement

(LOCI) For Undergraduate Science Education grants. This program provides awards for individual or small groups of science faculty members to make relatively short-term concentrated efforts at changing their undergraduate science instructional program. Program objectives include: (a) insuring that institutions are capable of introducing undergraduate students to currently important scientific or technological developments, and of developing improved approaches to the presentation of scientific concepts and applications; (b) enabling science faculty at 2- and 4-year colleges and universities to revise and improve local instructional programs in a timely manner (N.S.F. expects to continue to emphasize the support of projects at 2-year and smaller 4-year institutions); and (c) improving the pre-service training of pre-college teachers of science and mathematics through the modification or design of specific courses by individual faculty (N.S.F. is particularly interested in plans for strengthening the quality of science instruction for prospective teachers of young people who are in grades 6 through 9). Eligible are 2-year or 4-year colleges or universities which offer undergraduate science instruction. Support may be requested for activities in the mathematical, physical, biological, engineering, and social sciences, in the history and philosophy of science, and in interdisciplinary fields comprised of overlapping areas of two or more disciplines. Projects may focus on any undergraduate instructional activity in science, including single and combined courses or discrete parts of courses which are designed for science majors, nonscience majors, students preparing specifically for careers as teachers of elementary and secondary school science, or students preparing for technological careers. A project's total budget must not exceed \$40,000, and the portion requested from N.S.F. may not exceed \$25,000. Institutions may request N.S.F. to supply up to 2/3 of the total costs of the project, but in no case will the total N.S.F. award exceed \$25,000. During FY 1978, 135 awards were made, ranging from \$1,4000 to \$25,000. The average award was \$16,700. A given department or discipline within an institution may submit no more than one proposal per year, and a department/discipline which receives a LOCI award in one year is not eligible in the following year. For further information and proposal guidelines, request NSF Publication SE-79-34 from: Local Course Improvement--LOCI, Division of Science Education Resources Improvement, National Science Foundation, Washington, D.C. 20550, telephone (202) 282-7751.

NSF SETS NOVEMBER DATE FOR
REGIONAL RESEARCH CONFERENCES
IN MATHEMATICS

The National Science Foundation has set a November 15 deadline for proposals for Regional Research Conferences in the Mathematical Sciences. As in past years,

the program will support five-day regional conferences, each featuring 10 lectures by a distinguished guest lecturer on a subject of current research interest in the mathematical sciences. Program objective is to stimulate and broaden mathematical research activity, particularly in regions of the country where such activity needs further development. Approximately 10 conferences per year are projected, each to take place during a week of

the summer of 1979, or possibly during the succeeding academic year. Each conference must plan for a single principal guest lecturer and about 25 other invited participants, the latter to be active research mathematicians from the broad geographic region around the host institution. It is expected that the lecturer will give two lectures per day during the five days of the conference, with the remainder of the time available for study, informal discussion, and exchange of ideas. All invited participants in a conference receive allowances for travel and subsistence. In addition, the principal lecturer receives a fee for delivering his or her lectures and a second fee for organizing these into a substantial monograph. Inquiries regarding details of proposals for these conferences should be addressed to the Conference Board of the Mathematical Sciences, 1200 17th Street, N.W., Washington, D.C. 20036.

LEAA SETS OCTOBER INITIAL
DEADLINE FOR GRADUATE
FELLOWSHIP COMPETITION

The Law Enforcement Assistance Administration has announced its fifth annual Graduate Research Fellowship Program Competition. The program provides

support of up to \$10,000 for doctoral candidates writing dissertations in crime related fields. Eligible for support are doctoral candidates in crime-related fields of study who have finished their course work and require support while they are writing their dissertations. Candidates must submit a brief concept paper describing the project to the Office of Criminal Justice Education and Training by October 1, 1978. After the concept papers have been reviewed, the universities enrolling those candidates whose concept papers have been selected will be invited to submit formal applications by January 1, 1979. For further information and copies of the program guidelines, contact: Mary Ellen Brace, Office of Criminal Justice Education and Training, 633 Indiana Avenue, N.W., Washington, D.C. 20531, telephone (202) 376-3560.

AID: UNSOLICITED PROPOSALS

Final regulations establishing procedures for submitting unsolicited research and

development proposals to the Agency for International Development appeared in the June 8 issue of the Federal Register, pp. 24840-24841. While A.I.D. encourages the submission of unsolicited proposals, it also encourages interested parties to make preliminary contacts with A.I.D. personnel prior to the submission of a formal proposal. Initial inquiries and subsequent formal unsolicited proposals other than research should be submitted to the Department of State, A.I.D., Washington, D.C. 20523, Attn: SER/CM/SB, Room 601PP. Unsolicited proposals for research should be submitted to the Department of State, A.I.D., Washington, D.C. 20523, Attn: DS/RES, Room 813RPC.

WOODROW WILSON INTERNATIONAL
CENTER FOR SCHOLARS ANNOUNCES
PROGRAMS OF SUPPORT FOR POSTDOCS

The Woodrow Wilson International Center for Scholars announces programs of support for academic participants at the postdoctoral level. Men and women

accepted for appointments as fellows at the Center come from scholarly

backgrounds in the social sciences, natural sciences and humanities as well as from careers in law, journalism, business, diplomacy, and government.

Fellows are selected through two broadly defined divisions and four programs. The Division of Historical and Cultural Studies is devoted to research in all of the fields encompassed by the humanities and the liberal and creative arts, and especially welcomes proposals relating the concerns of these areas of inquiry to contemporary life. The Division of Social and Political Studies is designed to accommodate proposals in the fields of government and international relations, jurisprudence, sociology, economics, anthropology, psychology, and other related disciplines.

The Kennan Institute for Advanced Russian Studies and the Latin American Program support advanced research on Russia and the USSR and on Latin America and Caribbean, respectively. The International Security Studies Program is concentrating on projects in decision making, bureaucratic interaction, threat perception, and the use of history as an instrument of policy analysis. The Environmental Studies Program welcomes projects that examine the premises of environmental conservation, regulation, and politics, both nationally and internationally. The Center's program is residential in character, and fellows are expected to devote full time to their research and writing. A Center fellowship normally extends from four months to a year in duration.

For information and application forms contact: The Woodrow Wilson International Center for Scholars, Smithsonian Institution Building, Room 321, Washington, D.C. 20560, telephone (202) 381-6247; or call Helance Albrecht at 373-0773 for a copy of the program brochure.

HIGH ENERGY ASTROPHYSICS RESEARCH PROGRAM

The High Energy Astrophysics Research Program, administered by National Aeronautics and Space Administration

(NASA), supports the following disciplines: Cosmic Ray Astrophysics; Extreme Ultra-Violet Astronomy; Gamma Ray Astronomy; X-Ray Astronomy. High Energy and Astrophysics Research is organized into these program plans:

I. Particle Astrophysics (Cosmic Ray Astrophysics). Purpose is to study the isotopic and charge composition and energy of galactic and solar cosmic rays. The study of the nuclear composition and energy of galactic cosmic rays provide direct evidence of the stellar processes responsible for the cosmic radiation and information on the interstellar material transmitted by the cosmic radiation. The observation of solar cosmic rays provides information on the different elements in the sun, and information on the solar processes that accelerate energetic particles to their observed energies. The design, construction and test of cosmic ray detectors are the prime activities supported by the program. In FY 79, the program will work on instruments to detect very highly charged cosmic rays, high energy cosmic rays, and cosmic ray isotopes.

II. Gamma Ray Astronomy. Purpose is to measure the characteristics of energetic photon emission from celestial sources, and to understand the physical processes responsible for the emissions. In FY 79, the program will be involved with high and medium energy gamma ray detectors, and gamma ray spectrometers.

III. X-Ray Astronomy. Purpose is to investigate and understand the nature of sources of X-ray emission. The general cosmic X-ray background as well as the point sources need further study in order to understand the emission mechanism and the cosmological significance of these objects. Specific objectives are the detection of additional sources, spatial mapping of the background, accurate positional determination, and correlation with optically identifiable objects. These objectives are met by supporting laboratory studies, flight programs, and theoretical work. In FY 79, development of an X-ray spectrometer, X-ray imaging devices, and possibly X-ray optics will be supported.

IV. Data Analysis. Program provides for the supply and analysis of data after the initial investigation period.

V. Rocket Payloads. Program officers say this is "much the same as the X-ray program." Most X-ray astronomy research and technological development is supported as rocket payloads.

Eligible are any higher education institution, profit or non-profit research institution, or industrial laboratory. Applications should be submitted to: NASA, Proposal Control Officer, Code Y, Washington, D.C. 20546.

ASTRONOMY/RELATIVITY PROGRAM

The Astronomy/Relativity Program is administered through NASA and supports disciplines in Ultraviolet Optical Astronomy, Infrared Radio Astronomy and Physics (Relativity). The program is organized as follows:

I. Ultraviolet Optical Astronomy. The objective is the advancement of stellar and galactic astronomy through observations and interpretations of data secured in the ultraviolet and visible electromagnetic portions of the spectrum. Emphasis is on research in direct support of ongoing flight programs or in anticipation and preparation for future ones. The four elements supported are laboratory astrophysical studies, theoretical astrophysics, instrumentation development, and direct observational programs. The approach will be to develop theoretical models, perform theoretical studies, and determine basic atomic and molecular parameters. Interpretation of data, especially that obtained in the relatively unexplored ultraviolet spectral regions, requires the additional information provided by these efforts. In addition to atomic and molecular physics, specific areas of study include stellar atmospheres, stellar systems, and cosmology.

II. Infrared Astronomy. The objective is to advance stellar and galactic astronomy in the spectral region between 1 and 1000 microns through observation and theoretical programs. Observations are particularly important for an understanding of the early and late stages in stellar evolution, interstellar matter, galaxies and quasistellar objects and the energy mechanisms associated with them and the residual radiation of the universe.

The approach includes: 1) observational programs using ground based telescopes, balloons, and airplanes; and 2) the development of infrared techniques and apparatus. Special emphasis is placed on far IR narrow filters, spectra interferometers, modulation techniques, multiple detector arrays, and cryogenic and low-background telescopes.

III. Relativity. The primary objective is to make experimental tests of relativity theory and thereby advance the understanding of the interrelationship among space, time, and gravity. In particular, the test of General Theory of Relativity is paramount. In addition, improvements and innovations in the technological areas of cryogenics, gyroscope design, and precision clocks are expected. Specific objectives include the development and operation of a flight qualified cryogenic gyroscope, complete gyroscope system error analysis, and the considerations of various theoretical formulations of relativity and their subsequent experimental implications.

IV. Data Analysis. The objective is to obtain, reduce, and analyze data derived from or in direct support of space science experiments. Support can be for the primary mission objective or for extended analysis based on processed data.

V. Sounding Rockets. The objective is to use sounding rockets to obtain scientific data, test new experiments and make correlative measurements.

Proposals should be directed to: Proposal Control Officer, Code Y, NASA Headquarters, Washington, D.C. 20546.

EARTH PHYSICS PROGRAM

The Earth Physics Program is administered through the Office of Naval Research and supports disciplines in geophysics, seismology, gravimetry, geophysical data processing, electromagnetics, electrical engineering, geology and oceanography. Program objectives are to support basic research into the physical properties of the earth, primarily the crust and upper mantle; the office is primarily interested in those studies which are relevant to present or possible future naval activities.

Interest in seismic propagation studies is increasing in the area of propagation physics associated with the detection and location of hostile weapons. The Earth-Ocean Tide program continues to be of interest. In the area of Lithospheric Studies, more money has been requested for Electromagnetic Crustal Properties and Crustal Resistivity studies. The Geophysical Model Studies program will probably be funded at about the same level in FY 79 as in FY 78. Funding for Rock Physical Properties, Geothermal, and Seismic Properties studies will be decreased in FY 79. The Geothermal decrease results from its being shifted to the Department of Energy. Program officers said that some program areas are "getting to the point where RFPs might be forthcoming." The Hostile Weapons Location sub-area of Seismic Propagation studies was mentioned as a possible RFP source.

Eligible are public and private, profit and nonprofit organizations and individuals. Available guidelines are "Contract Research and Technology Program," Publication ONR-1, and "Opportunities for Naval Research," Publication ONR-17. Both may be obtained by writing to the Office of Naval Research, Ballston Tower #1, 800 N. Quincy St., Arlington, Virginia 22217.

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NHLBI, RFA: Interdisciplinary Studies on the Role of the Central Nervous System in Hypertension (Letter of Intent by July 7).	September 15

National Institutes of Health (cont.)

NINCDS, RFA: Development of New Anticonvulsant Compounds	November 1
NICHD, RFA: Research on Trisomy 21 (Down's Syndrome)	November 1
NIAMDD, Manpower Development Programs in Diabetes, Endocrinology, and Metabolic Disease	October 1
NIEHS, Academic Investigator Award--Toxicology	October 1
NIAID, Respiratory Disease Research.	November 1
NIEHS, Individual Postdoctoral Fellowships	October 1
NIDR, Specialized Clinical Research Centers for Periodontal Disease	October 15
NCI, CREG: Experimental Combined Mortality.	November 1
NINCD, Research Grants in Field of Local Neuronal Interactions	November 1
NIDR, Research on Sweeteners and Dental Caries	November 1
NEY, Research on Hydrodynamics of the Eye.	November 1
NEY, Research on Immunological Aspects of Ocular Disease	November 1
NEY, Research on Secondary Glaucomas	November 1
NIDR, RFA: Research on the Combined Effects of Salivary Specific and Nonspecific Immune Factors on Cariogenic Microorganisms	November 1
NIDRR, Biomedical Research Development Grants.	October 1
NIAMDD, New Investigator Research Awards, Diabetes	November 1
NIAMDD/NHLBI, Special Emphasis Research Career Award: Diabetes Mellitus--Cardiovascular, Metabolic, and Endocrinologic Diseases.	October 1
NIAMDD, Individual Postdoctoral Fellowships in Diabetes, Endocrinology, and Metabolism Research	October 1
NIAMDD, Institutional Training Grants in Diabetes, Endocrinology, and Metabolism Research	October 1
Alcohol, Drug Abuse and Mental Health Administration Research Grants, new	November 1
Research Grants, supplemental/renewal.	October 1
Research Scientist Development	October 1
Research Scientist Award	October 1
Health Resources Administration NCHSR, Conference Grant Support.	Open
Division of Nursing, Institutional Grants (NRSA)	October 1
Division of Nursing, Nursing Research Program.	November 1
Health Care Financing Administration HCFA, Health Financing Research and Demonstration Grants	October 2
Office of Human Development Cooperative Research and Demonstration Projects.	October 31
Child Abuse and Neglect Grants Program	September 30
Research and Training Centers.	September 13
National Institutes of Education Unsolicited Proposals.	October 31
U.S. Office of Education Field Initiated Research	October 31

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Public Understanding of Science (PUOS) Program--Preliminary Proposals (Formal proposals due December 1, 1978).	October 1
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National Science Foundation (cont.)

U.S.-New Zealand Cooperative Science Program (for long-term visits with starting dates between June 1, 1979 and November 30, 1979)	October 1
Local Course Improvement (LOCI)	October 3
NATO Postdoctoral Fellowships in Science	Open
E.D. Bergmann Memorial Research Grants (U.S.-Israel Binational Science Foundation)	November 1
Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: June/July 1979)--Programs include: Geochemistry, Geology, and Geophysics (including Earthquake Research)	November 1
Unsolicited Research Proposals for the Division of Mathematical and Computer Sciences (Proposed Starting Dates: June thru August 1979)--Programs include: For <u>Computer Sciences</u> : Computer Systems Design, Intelligent Systems, Software Engineering, Software Systems Science, Special Projects, and Theoretical Computer Science; For <u>Mathematical Sciences</u> : Algebra, Applied Mathematics and Statistics, Classical Analysis and Geometry, Modern Analysis and Probability, and Topology and Foundations.	November 1
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1979)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology.	November 1
National Needs Postdoctoral Fellowships Program	November 3
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: June/July 1979)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology.	November 15
Engineering Research Initiation Grants	November 15
Regional Research Conferences in the Mathematical Sciences	November 15
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: June/July 1979)--Programs include: Anthropology, Memory and Cognitive Processes, Psychobiology, and Sensory Physiology and Perception	November 30
Comprehensive Assistance to Undergraduate Science Education (CAUSE)	Open
Graduate Fellowships	Open
Minority Institutions Graduate (MIG) Traineeships	Open
Science Faculty Professional Development Program	Open
Women in Science Programs	Open
Computer Science Research Equipment Proposals	December 1
Scientists and Engineers in Economic Development (SEED) Program	December 1
U.S.-Latin America Cooperative Science Programs	December 1

National Science Foundation (cont.)

- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Date: April 1, 1979)
--Areas of Interest include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment. December 1
- Unsolicited Research Proposals in the Division of Social Sciences (Proposed Starting Dates: June/July 1979)--
Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Social Indicators, Sociology, and Special Projects December 1
- Science Resources Program (Manpower, Funding, and Output Analyses). December 15
- Alan T. Waterman Award December 31
- Unsolicited Research Proposals in the Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: June 1979)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics December 31
- Postdoctoral and Senior Postdoctoral Fellowships (at the National Center for Atmospheric Research). January 15

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1960.

- American Cancer Society
 - Postdoctoral Fellowship. October 1
 - Faculty Research Awards. October 1
 - Scholar in Cancer Research October 1
 - Research Professorship October 1
 - Institutional Research Grant November 1
 - Research and Clinical Investigation Grant. November 1
- American Diabetes Association
 - Research and Development Award November 15
 - Established Investigator Award November 15
- American Heart Association
 - Grants in Aid. October 1
- American Heart Association/Minnesota Affiliate
 - Grants in Aid. November 30
 - Visiting Scientist Award November 15
 - Postdoctoral Research Fellowship November 15
- American Lung Association
 - Institution Training Grants. October 15
 - Institution Pediatric Training Grants. October 15
 - Training Fellowships October 15
 - Edward Livingston Trudeau Fellowship October 15
 - Research and Development Programs. November 1
 - Allied Health Award. November 1
 - Research Grants. December 1
- The Arthritis Foundation
 - Research Grants. October 1
- Damon Runyon-Walter Winchell Cancer Fund December 15

Exxon Education Foundation	
Educational Research and Development Program	December 1
International Research and Exchanges Board	
Eastern Europe	November 1
Soviet Union	November 1
Graduate Student/Young Faculty	
Senior Scholar/Ministry	
ACLS/Academy	
Summer Exchange of Language Teachers	
Preparatory Fellowship	November 1
Jessie Smith Noyes Foundation.	October 1
Josiah Macy Jr. Foundation	
Faculty Scholar Award Program.	October 1
Leukemia Society of America, Inc.	
Scholar Program.	October 1
Special Fellow Program	October 1
Fellow Program	October 1
Minnesota Humanities Commission.	November 15
Minnesota Medical Foundation	
Small Grants Program	September 30 & December 31
Minnesota State Arts Board	October 15
Morris Animal Foundation	
Research Grants.	Anytime
National Cystic Fibrosis Research Foundation	
Clinical Fellowships	December 1
The National Foundation--March of Dimes	
Research Grants.	October 1
National Fund for Medical Education	
Grants for Innovative Programs in Medical Education.	October 1
National Leukemia Association, Inc.	
Research Grants.	June 1- September 30
Orthopaedic Research and Education Foundation	
Research Grants.	November 1
Pharmaceutical Manufacturers Association Foundation, Inc.	
Faculty Award in Clinical Pharmacology	October 1
Faculty Award in Basic Pharmacology.	October 1
Fellowships in Clinical Pharmacology	October 1
Wilson Center	
Fellowships.	October 1

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**DEPARTMENT OF ENERGY'S
SMALL GRANTS PROGRAM**

Guidelines for implementation of a program of financial support for "appropriate technology" have been

issued by Department of Energy (DOE) and appear in Federal Register, August 8, 1978, pp. 35020-25. This small grants program seeks to encourage development and demonstration of, and the dissemination of information with respect to, energy-related systems and supporting technologies appropriate to: (1) the needs of local communities and the enhancement of community self-reliance through use of available resources; (2) use of renewable resources and conservation of nonrenewable resources; (3) use of existing technologies applied to novel situations and uses; (4) applications which are energy conserving, environmentally sound, small scale and low cost; and (5) applications which demonstrate simplicity of installation, operation and maintenance. Eligible applicants include individuals, local nonprofit organizations and institutions, state and local agencies, Indian tribes, and small businesses. Grants will not exceed \$50,000 during any two-year period.

DEPARTMENT OF ENERGY POLICY

When submitting proposals to the Department of Energy (DOE), do not

include any costs for remodeling research structures. DOE feels the institution should be responsible for the physical plant.

For more information, contact: Ann Hegnauer, Office of Conservation and Solar Applications, 20 Massachusetts Ave., N.W., Washington, D.C. 20545 (phone: 202/376-4711); or Bradley Byers, Office of Public Affairs, same address (phone: 202/376-5729).

**TECHNICON INSTRUMENTS
CORPORATION PROGRAM OF GRANTS**

Technicon Instruments Corporation announces a program of grants for research in biomedical and industrial instrumentation for 1978-79. The purpose of the program is to identify and support significant academic research on novel concepts or technologies in biomedical and industrial instrumentation with a view toward possible commercial application of the results of such research. Research on computer software will not be considered for funding. Technicon requests preliminary applications be submitted and approved before the formal proposal is submitted. Preliminary applications do not require University endorsement. Formal proposal deadline is December 15, 1978. Call Helene Albrecht, 373-0773, for a copy of the program brochure and preliminary application form.

NATIONAL SCIENCE FOUNDATION
POSTDOCTORAL FELLOWSHIPS

Postdoctoral fellowships will be available to persons who:

1) are citizens or nationals of the United States as of November 3, 1978; 2) hold the Ph.D. or have equivalent research and experience in the mathematical, physical, medical, biological, engineering, and social sciences; 3) have held the doctorate for no more than 5 years as of November 3, 1978, and (4) have not previously held an NSF postdoctoral fellowship. Tenure is 9 or 12 months (usually). Stipend is \$1,000 per month of tenure. Application materials are available from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. Application deadline is November 3, 1978.

FULBRIGHT OPPORTUNITIES ABROAD

Applications for Fulbright-Hays awards for university teaching

and advanced research abroad may still be submitted for available awards. Basic eligibility requirements include: U.S. citizenship, postdoctoral college or university teaching experience for lecturing awards, Ph.D. for research awards, and foreign language fluency for some awards. Contact the Graduate Fellowship Office at 373-2833 for further information.

EARTHQUAKE RESEARCH

The National Science Foundation has announced additional fiscal year 1979

funds allocated to the geophysics program to augment its support of fundamental research on the nature of earthquakes. Proposals should be prepared in accordance with NSF 76-38, "Grants for Scientific Research," and must be received by either November 1, 1978 or February 15, 1979.

The increased emphasis on research in this area is in response to Option B of the Newmark-Stever report to the President's Science Adviser--"Earthquake Prediction and Hazard Mitigation: Options for USGS and NSF Programs," which outlines an NSF-USGS initiative in earthquake hazard reduction. Research proposed for this program should involve studies and measurements of a basic nature directed toward understanding the natural phenomena involved.

Refer any questions to: Dr. Roy E. Hanson, Program Director for Geophysics, NSF, 1800 G Street, N.W., Washington, D.C. 20550. Telephone: 202/632-4219.

FAMILY VIOLENCE PROGRAM

The Family Violence Program--administered through the Special Programs Division,

Office of Criminal Justice Programs, Law Enforcement Assistance Administration--provides support for comprehensive program models designed to test appropriate and effective responses to family violence. Urban and rural projects will receive funding to test the effectiveness of community-wide approaches that include criminal justice, social service, medical and mental health

agencies in a specific, coordinated program. Projects are meant to test the hypothesis that a full spectrum of programs will lead to a reduction in family violence.

Eligible applicants include units of local government or incorporated non-profit agencies or organizations. Urban grants may be made to communities with populations over 100,000 while rural grants must be for communities of 50,000 or less or a group of small communities of no more than 75,000. Four or five urban grants will be awarded for \$100,00-\$300,00, while 6-8 rural grants will be made for \$75,000-\$150,000. New grants will be for 18 months and require a 10% cash match. A continuation of 18 months will be possible requiring a 35% cash match.

For more information contact: Program Manager, Family Violence Program, Special Programs Division, Office of Criminal Justice Programs, Law Enforcement Assistance Administration, Washington, D.C. 20531 (phone: 202/376-3550).

NEH ANNOUNCES OCTOBER 15 DEADLINE FOR NEH YOUTH PROJECTS The National Endowment for the Humanities (NEH) announces an October 15 application deadline for NEH Youth Projects--an experimental program beginning its second year of funding. Administered by the Endowment's Office of Youth Programs, NEH Youth Projects are designed to encourage new and challenging out-of-classroom opportunities for young people to develop their knowledge and skills in the humanities.

Non-profit organizations and institutions that operate on a national, regional, state or local level are eligible to submit proposals for NEH Youth Projects. Such groups include youth organizations, civic groups, labor organizations, theatres, schools, libraries, media centers, museums, historical and research societies, universities and colleges.

The application deadlines are October 15, 1978 and February 1, 1979. Those interested in applying should submit, well in advance of these deadlines, a brief preliminary narrative describing their project idea. Guidelines for NEH Youth Projects should be reviewed before submitting a preliminary proposal. These may be obtained by writing: NEH Youth Projects, Office of Youth Programs, M.S. 103, National Endowment for the Humanities, 806 15th Street, N.W., Washington, D.C. 20506.

PLANETARY PROGRAMS OFFERED THROUGH NASA

National Aeronautics and Space Administration (NASA), Office of Space Science, invites unsolicited proposals for their Planetary Programs. Two programs are available: 1) the Planetary Astronomy program supporting disciplines in astronomy, atmospheric sciences and spectroscopy; and 2) a program supporting the disciplines of geology and cartography.

Those interested in the first program should obtain a copy of NASA publication NHB 5100.3, entitled "A Guide to Policies and Procedures for Sponsored Research" by writing: NASA, Proposal Control Officer, Code Y, Washington, D.C. 20546. Unlike other Planetary Programs, the Planetary Astronomy program does not issue an "Announcement of Opportunity." Eligible to submit unsolicited proposals are any higher education institution, profit or nonprofit research institution, industry, or individual organized to conduct research in the disciplines of astronomy, atmospheric sciences and/or spectroscopy.

For the second program incorporating geology and cartography, guidelines can be found in the "Space Science Notice," issued June 30, 1978, which is available through the Planetary Programs office. These guidelines are scheduled to be updated on a yearly basis. "Reports of Planetary Geology Programs, 1977-78," a compilation of abstracts of reports from principal investigators, is also available through the program offices by writing to NASA, Proposal Control Officer, Code Y, Washington, D.C., 20546. Eligible are any higher education institution, profit or nonprofit research institution, or industry prepared to conduct research in planetary geology. Investigators are usually sponsored by an educational or research institution or corporation which must endorse the proposal and forward it to NASA.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925:

National Institutes of Health

Research Grants, new	November 1
Research Grants, supplemental/renewals	October 1
NIOHS, Research Grants, Occupational Health and Safety, Preventive Diseases.	November 1
NIA, Special Initiative Grants, Research on Aging.	November 1
NIA, New Investigators, Aging, Special Research Awards . . .	November 1
NHLBI, Pulmonary Ciliary Structure and Function Research . .	November 1
NHLBI, In Vitro Responses of the Lung to Pathogenetic Substances Research.	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems Research.	November 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis	November 1
NIAMDD,RFA: Vitiligo: Pathophysiologic Mechanisms.	November 1

National Institutes of Health (cont.)

NEY, Studies of the Human Visual System in Health and Disease Using Modern Techniques of Psychophysics and Physiological Optics	November 1
NIAID, Studies on Respiratory Disease Agents	November 1
NIGMS, Research Centers and Program Projects (Letter of Intent requested 3 months prior to established deadline)	November 1
NIEHS, Young Environmental Scientist Research Grant Program.	November 1
NICHD, RFA: Health Promotion and Prevention of Smoking and Other Behaviors Detrimental to Health (Letter of Intent due September 15)	November 1
NIAMDD, Multipurpose Arthritis Center (Letter of Intent due November 1).	February 1, '79
NIAMDD, Diabetes Research and Training Centers (Letter of Intent due by November 1)	February 1, '79
NIAID, RFA: International Collaboration in Infectious Disease Research (Letter of Intent due November 1)	January 15, '79
NIGMS/NINCDS/NICHD/NEI/NIAMDD/NHLBI: Development and Evaluation of New Therapies for Rare Genetic Diseases.	November 1
NIDR, Social and Behavioral Research Grant	November 1
Fogarty International Center, Sr. International Fellowships.	December 1
NINCDS, RFA: Development of New Anticonvulsant Compounds	November 1
NICHD, RFA: Research on Trisomy 21 (Down's Syndrome)	November 1
NIAID, Respiratory Disease Research.	November 1
NCI, CREG: Experimental Combined Mortality.	November 1
NINCD, Research Grants in Field of Local Neuronal Interactions	November 1
NIDR, Research on Sweeteners and Dental Caries	November 1
NEY, Research on Hydrodynamics of the Eye.	November 1
NEY, Research on Immunological Aspects of Ocular Disease	November 1
NEY, Research on Secondary Glaucomas	November 1
NIDR, RFA: Research on the Combined Effects of Salivary Specific and Nonspecific Immune Factors on Cariogenic Microorganisms	November 1
NIAMDD, New Investigator Research Awards, Diabetes	November 1
Alcohol, Drug Abuse and Mental Health Administration Research Grants, new	November 1
Health Resources Administration	
NCHSR, Conference Grant Support.	Open
Division of Nursing, Nursing Research Program.	November 1

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: June/July 1979)--Programs include: Geochemistry, Geology, and Geophysics (including Earthquake Research) November 1

National Science Foundation (cont.)

Unsolicited Research Proposals for the Division of Mathematical and Computer Sciences (Proposed Starting Dates: June thru August 1979)--Programs include: For <u>Computer Sciences</u> : Computer Systems Design, Intelligent Systems, <u>Software Engineering</u> , Software Systems Science, Special Projects, and Theoretical Computer Science; For <u>Mathematical Sciences</u> : Algebra, Applied Mathematics and Statistics, Classical Analysis and Geometry, Modern Analysis and Probability, and Topology and Foundations.	November 1
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1979)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology.	November 1
National Needs Postdoctoral Fellowships Program.	November 3
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: June/ July 1979)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology.	November 3
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: June/July 1979)--Programs include: Anthropology, Linguistics, Memory and Cognitive Process, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology	November 10
Engineering Research Initiation Grants	November 15
Regional Research Conferences in the Mathematical Sciences	November 15
Development in Science Education	November 30
Comprehensive Assistance to Undergraduate Science Education.	December 1
Computer Science Research in Equipment Proposals	December 1
Scientists and Engineers in Economic Development (SEED) Program	December 1
U.S.-Latin America Cooperative Science Program	December 1
Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Date: April 1, 1979) --Areas of Interest include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment.	December 1
Unsolicited Research Proposals in the Division of Social Sciences (Proposed Starting Dates: June/July 1979)-- Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Social Indicators, Sociology, and Special Projects	December 1
Science Resources Program (Manpower, Funding, and Output Analyses).	December 15
Alan T. Waterman Award	December 31

Unsolicited Research Proposals in the Oceanography Section,
 Division of Ocean Sciences (Proposed Starting Date:
 June 1979)--Programs include: Biological Oceanography,
 Marine Chemistry, Physical Oceanography, and Submarine
 Geology and Geophysics December 31
 Postdoctoral and Senior Postdoctoral Fellowships (at
 the National Center for Atmospheric Research). January 15

PRIVATE

Questions regarding the following deadlines should be referred
 to ORA at 373-1960.

American Cancer Society
 Institutional Research Grant November 1
 Research and Clinical Investigation Grant. November 1
 American Diabetes Association
 Research and Development Award November 15
 Established Investigator Award November 15
 American Heart Association/Minnesota Affiliate
 Grants in Aid. November 30
 Visiting Scientist Award November 15
 Postdoctoral Research Fellowship November 15
 American Lung Association
 Institution Training Grants. October 15
 Institution Pediatric Training Grants. October 15
 Training Fellowships October 15
 Edward Livingston Trudeau Fellowship October 15
 Research and Development Programs. November 1
 Allied Health Award. November 1
 Research Grants. December 1
 Damon Runyon-Walter Winchell Cancer Fund December 15
 Exxon Education Foundation
 Educational Research and Development Program December 1
 International Research and Exchanges Board
 Eastern Europe November 1
 Soviet Union November 1
 Graduate Student/Young Faculty
 Senior Scholar/Ministry
 ACLS/Academy
 Summer Exchange of Language Teachers
 Preparatory Fellowship November 1
 Minnesota Humanities Commission. November 15
 Minnesota Medical Foundation
 Small Grants Program December 31
 Minnesota State Arts Board October 15
 Morris Animal Foundation
 Research Grants. Anytime
 National Cystic Fibrosis Research Foundation
 Clinical Fellowships December 1
 Orthopaedic Research and Education Foundation
 Research Grants. November 1

Pharmaceutical Manufacturers Association Foundation, Inc.
Developmental Grant for Clinical Pharmacology Units January 15
Fellowship Awards in Pharmacology-Morphology January 15
Medical Student Research Fellowships in Pharmacology
Clinical Pharmacology January 15

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ORADDC Newsletter

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LIMITATION RATE OF PAY FOR INVESTIGATORS UNDER NATIONAL SCIENCE FOUNDATION GRANTS (NOTICE NO. 74)

The National Science Foundation recently issued a policy (Notice No. 74) which establishes a ceiling for the reimbursement of salaries under NSF grant awards. The Foundation has

amended its grant policy to state that pursuant to a congressional requirement, no individual shall be reimbursed as a direct cost at a rate which exceeds the equivalent of \$47,500 per annum unless specific prior written approval has been provided by NSF.

In accord with this requirement, beginning October 1, 1978, grant proposals submitted to NSF should not request funding of rates of pay for individuals under grant awards that exceed the referenced ceiling salary rate. The Foundation will, however, be processing proposals already on hand, and some submitted prior to receipt of this Notice, which will be reviewed for compliance with the compensation rate ceiling.

Notice No. 74 has been disseminated to deans, directors and department heads. Further information or a copy of the notice can be obtained by calling Judith Krzyzek at 373-2784.

CHANGES ANNOUNCED IN THE REQUIRED NUMBER OF COPIES FOR UNSOLICITED RESEARCH PROPOSALS

The following divisions have announced required copy changes for unsolicited proposals: Astronomy (10); Atmospheric Sciences (10); Behavioral and Neural Sciences (20); Chemistry (10); Earth

Sciences (20); Engineering (10); Environmental Biology (20); Information Science and Technology (15); International Programs (10); Materials (10); Mathematical and Computer Sciences (10); Physics (15); Physiology, Cellular and Molecular Biology (20); Polar Sciences (15); Social Sciences (20).

The National Science Foundation has established 15 single-spaced typewritten pages as the normal limit for the project description portion of research proposals submitted to the agency. Previously, there was no limit on this portion of research proposals.

NSF states that this policy change, which becomes effective immediately, was made in view of an increase in the length of research proposals sent to the agency over the years. Hoping that the new policy will lead to brevity and conciseness in future research proposals, the Foundation believes the greater length of present proposals is due to competition for funding and the desire to include everything that reviewers might possibly wish to see discussed.

PRELIMINARY PROPOSALS FOR
DEVELOPMENT IN SCIENCE
EDUCATION DUE NOVEMBER 30

The Division of Science Education
and Research (SFDR) has recently
released new guidelines for the
Development in Science Education

(DISE) Program. The long-term goal of DISE is to increase the quality and diversity of science education in the U.S. Funds are provided to originate, develop and experiment with new ideas having potential for improving science education aimed at any level and designed for any group of people. Five areas will be emphasized during the next two fiscal years (FY 1979 & FY 1980): Science for the Early Adolescent; Improving Access to Careers in Science; Science, Technology and Society; New Knowledge and New Skills--Education for Productivity; and, Technology as Applied to Learning. Activities may include: Development, testing and evaluation of new instructional materials; Design, testing and evaluation of innovative instructional delivery modes both in formal school settings, and in out-of-school situations; and, Identification of technologies that promise enhanced effectiveness of science education, and experimentation with and improvement of these technologies. Copies of the NSF brochure, SE 79-50: Development in Science Education, Guide for Preparation of Preliminary Proposals, are available from Judy Krzyzek by calling 373-2784.

For notifications in February 1979, proposals are due in April 1979.

PUBLIC UNDERSTANDING OF SCIENCE

Proposals submitted to NSF under its
PUOS (Public Understanding of Science)

Program should deal with one of the following categories: 1) improving the public understanding of science, 2) improving modes of communication with the public, or 3) studying the communication of scientific information to the public. Colleges, universities, professional associations, and profit or nonprofit organizations interested in improving the public understanding of science may submit proposals.

Preliminary proposals may be submitted at any time. Formal proposals will be considered three times a year, with deadlines of April 1, August 1, and December 1. Call Judy Krzyzek at 373-2784 for more information on the PUOS Program.

HUMAN GEOGRAPHY AND
REGIONAL SCIENCE

Applications for research under National
Science Foundation's Human Geography
and Regional Science Program should be

submitted by either December 1, 1978, or February 2, 1979. This program supports research regarding spatial and locational aspects of human organization and activity, especially regarding land use and human settlement patterns, human migration, environmental perception and preferences, regional economics, and location theory. Also encouraged is research involving techniques for measuring, representing and modeling geographic phenomena. For more information, contact: Patricia McWethy, Associate Program Director for Human Geography and Regional Science, Division of Social Sciences, NSF, Washington, D.C. 20550. Telephone: (202) 634-6683.

BASIC RESEARCH IN POLITICAL
SCIENCE

Proposals for research aimed at understanding the political processes by which societies coordinate their

activities through governments should be submitted to National Science Foundation by either December 1, 1978, or February 2, 1979. Program interest areas include: 1) governmental institutions and their effects on social life, 2) the effects of structural and motivational factors on individual participation and effectiveness in such institutions, 3) the effects of different elements of political organizations on each other, and 4) how political processes are modified in response to economic and social change.

SEED PROPOSALS DUE DECEMBER 1

The Scientists and Engineers in Economic Development (SEED) Program

invites the submission of proposals for Research/Training Grants and International Travel Awards to start during summer 1979. Attention is directed toward the A.I.D. list of eligible underdeveloped countries available from Judith Krzyzek, 373-2784. The SEED program enables U.S. scientists and engineers to share experiences with their counterparts in A.I.D.-approved countries through the conduct of specific research and education projects contributing to the economic development of the host country.

NSF SETS DECEMBER DATE FOR
FY 1979 CAUSE APPLICATIONS

The National Science Foundation has set a December 4 receipt deadline for FY 1979 applications to the Comprehensive

Assistance to Undergraduate Science Education (CAUSE) Program. Primary objectives are: (a) to strengthen the resources for undergraduate science education components of 2-year and 4-year colleges and universities; (b) to improve the quality of science education at the undergraduate level; and (c) enhance the capability of institutions for self-assessment, management, and evaluation of their science programs. Eligible to apply are U.S. nonprofit institutions of higher learning with formally constituted programs in science. Proposals may include a variety of educational activities designed to affect both science and non-science students. Examples include, but are not limited to: 1) modification of science courses and curricula along traditional or nontraditional lines; 2) installation of audio-tutorial or computer-aided instruction; 3) improvement of instruction in the laboratory or field; and 4) minor renovation of science facilities. Proposals involving activities designed to increase minority participation in science and engineering from institutions having substantial numbers of minority students are encouraged. Science- or engineering-related components of technician curricula are eligible, but not programs or components of programs for nonscience activities in vocational education. Institutions may request support of up to \$250,000 over a three year period, but only one proposal may be submitted from each institution. For the FY 1978 competition, 73 awards were made from 346 proposals submitted, with total funding of \$12.9 million. Twenty-four awards were made to two-year institutions; 47 awards were made to four-year institutions with

B.S. or M.S. as the highest degree in science; 27 awards were made to four-year institutions with the Ph.D. as the highest degree in science; and 3 awards were made to consortia. More detailed information and proposal guidelines are contained in NSF Publication SE-79-30. Institutional coordination of proposals will be provided by Peter Roll, Academic Affairs, 3-2451.

NSF EXTENDS DEADLINE FOR SCIENCE
RESOURCES PROGRAM APPLICATIONS

The National Science Foundation has extended to February 2, 1979, the application deadline for fiscal 1979 funding under its Program for the Analysis of Science Resources: Personnel, Funding, Impacts, and Outputs. Awards for the program will be for in-depth analyses and integration of data on scientific and technological activities, for development of new measures of the effects and outputs of scientific and technological activities, and for related studies. Most awards are expected to be in the \$25,000 to \$50,000 range.

NIH GRANT PROPOSALS: SUMMARY
STATEMENTS AND PRIORITY SCORES

Recommendation #58 of the NIH Grants Peer Review Study Team (see Decisions by Director, NIH, on Recommendations of Grants Peer Review Study Team, February 8, 1978) states: "That, until such time as a single NIH-wide priority score notation system is adopted, all copies of Summary Statements which a given BID (Bureau, Institute, Division) sends to principal investigators should display either the raw priority score or the normalized priority score (if available) but not both, depending upon which of the two conventions the particular BID follows." The Director, NIH, concurred with this recommendation and further states: "whichever priority score (raw or normalized) is used by the Advisory Council/Board in making its decision on an application should be made available to the principal investigator."

ACCORDINGLY, FOLLOWING THE SEPTEMBER-OCTOBER 1978 COUNCIL/BOARD MEETINGS AND ROUTINELY THEREAFTER FOLLOWING EACH ROUND OF COUNCIL/BOARD MEETINGS, THE SUMMARY STATEMENT WITH PRIORITY SCORE DISPLAYED WILL BE SENT TO THE PRINCIPAL INVESTIGATOR. THIS PROCEDURE WILL NOT BE RETROACTIVE PRIOR TO THE SEPTEMBER-OCTOBER 1978 ROUND.

Accompanying each summary statement will be an attachment describing the procedure for arriving at the raw and normalized priority score and a brief comment concerning the factors entering into the funding decision.

The foregoing is an interim measure pending the findings of a committee which has been organized in accordance with recommendation #57 of the Grants Peer Review Study Team with which the Director, NIH, also concurred; namely: "That, before adopting a single priority score notation system for use by all BIDs, the NIH should conduct a study of BID practices regarding the use of the 'raw' and 'normalized' priority scores to determine whether the uniform NIH-wide convention should be the use of the raw score exclusively or the present normalized scores, whenever they are available (or otherwise the raw scores), or the development of a new procedure for computing, representing, and/or adjusting priority scores to compensate for differences in group rating behavior."

Upon review of the findings of the Committee the Director will determine the feasibility of implementing recommendation #56 which he has presently deferred, namely "That a 'single priority score' convention should be adopted for use throughout NIH."

A summary progress report will be published in a later issue of the Guide indicating steps being taken toward implementing other recommendations of the GPRST.

NEY ANNOUNCES GUIDELINES FOR
CORE GRANTS FOR VISION RESEARCH
DUE FEBRUARY 1

The goals of the National Eye Institute (NEI) are: 1) to gain knowledge about the normal and abnormal structure and function of the eye and visual system and advance the sciences related to vision; 2) To apply that knowledge in the development and evaluation of means to prevent, treat, and cure diseases and disorders of the visual system; 3) To facilitate the rehabilitation of the visually disabled.

The primary means of achieving these goals is to award individual research project grants in the following five programs: Retinal and Choroidal Diseases, Corneal Diseases, Cataract, Glaucoma, and Sensory and Motor Disorders of Vision.

In addition, the NEI also provides core research support to institutions heavily engaged in visual sciences research. By providing support for an essential nucleus or central core of research resources, facilities, and services which are shared by investigators on a number of individual research projects, the NEI has an opportunity to achieve four key objectives: 1) to afford researchers greater opportunity and flexibility by integrating common requirements for research resources, 2) to enhance research capabilities and productivity by strengthening the research environment, 3) to facilitate multidisciplinary approaches to specific problems in the visual sciences, and 4) to promote interaction and collaboration between vision researchers and scientists in areas outside the visual sciences.

The core grant is an administrative mechanism to help foster laboratory studies, clinical studies, or both. Ideally, it facilitates a multidisciplinary research approach to specific problems in the visual sciences. Minimally, for purposes of determining eligibility for this award, a vision research center is defined as an organization at which there are at least four investigators with NEI project support and no less than six independently-supported NEI research project grants.

Complete guidelines and application materials may be obtained from ORA by calling 373-5925.

NIA ANNOUNCES CLINICAL
INVESTIGATOR AWARD
DUE FEBRUARY 1

The National Institute on Aging (NIA) announces the availability of NIA Clinical Investigator Awards in the following selected areas relevant

to aging: Research in Geriatric Medicine; Organic Brain Diseases of Old Age; Clinical Nutrition and Aging; Clinical Immunology and Aging; Clinical Pharmacology and Aging; Endocrinology and Aging; Maturity Onset Diabetes and Aging; Dermatology and Aging; Epidemiology and Aging.

The award, made to an institution, is designed to foster growth of superior candidates toward independent research. It enables candidates to investigate, for up to three years, a well-defined problem with a sponsor (or sponsors) competent to provide guidance in the chosen problem. It is anticipated that this award provides for transition between fellowship or trainee experience and a career in independent investigation. The Clinical Investigator Award differs from the NIH Research Career Development Award in that it seeks to develop research ability in individuals with clinical background and training rather than to foster the further development of research skills of individuals already having shown significant research achievement.

Candidates are restricted to those holding health-professional degrees in the clinical sciences (M.D., D.O., D.V.M., or equivalent) with four to seven years of total professional postdoctoral clinical and research experience by the projected start of the award. It is expected that candidates will have a minimum of two years of clinical experience and two years of research. In exceptional circumstances, individuals with less than four, and more than seven years of such experience may apply, but must justify those special circumstances. The award is designed to provide intensive guided research experience for clinicians. Therefore, holders of the Ph.D. or comparable research degrees, either with or without an accompanying health professional degree, are not eligible.

Complete information and application materials may be obtained from ORA at 373-5925.

NIEHS ANNOUNCES ACADEMIC
INVESTIGATOR AWARD--
TOXICOLOGY; DUE FEBRUARY 1

The Academic Investigator Award in Toxicology is designed to stimulate individuals with research expertise in biomedical sciences toward careers

in environmental toxicology. The objective of the program is to provide an opportunity for biomedical scientists (e.g., biochemists, pharmacologists, physiologists, chemists, etc.) to redirect their efforts to this field. Although some past experience in toxicological research will not disqualify a candidate, the goal of the program is to provide a mechanism by which toxicological research experience can be gained by scientists not now working in the field to allow them to undertake subsequent research projects which will advance the state-of-the-art of evaluating the human health effects of environmental agents.

To be eligible, the investigator must: 1) have a Ph.D., M.D., D.V.M., or equivalent degree and a minimum of five years of postdoctoral research experience at the time of application; 2) devote at least 80% of the proposed time of support to research; 3) be a citizen or noncitizen national of the United States, of its possessions or territories, or have been lawfully admitted to the U.S. for permanent residence; 4) provide for the submission of three letters of recommendation attesting to the suitability of the investigator for the award.

Complete information and application materials may be obtained from ORA at 373-5925.

NCI ANNOUNCES PROGRAM ON
NUTRITIONAL ASPECTS OF
CANCER AND ITS ETIOLOGY/
PREVENTION, TREATMENT,
AND TRAINING; DUE DECEMBER 1,
1978 AND MARCH 1, 1979

Etiology and Prevention of Cancer:
The Division of Cancer Cause and Pre-
vention of the National Cancer Institute
encourages the submission of research
grant applications in the broad areas
of diet and nutrition, as these might
be related to the: (a) etiology of

cancer and (b) prevention of cancer. Examples of studies judged to merit consideration are shown below. However, it is not the intent to make or imply any delimitation relative to the nature or scope of the research which might be proposed.

Treatment of Cancer: The Division of Cancer Treatment of the National Cancer Institute is responsible for the development and validation of treatment modalities for neoplastic diseases. The ultimate goals of this effort are improvement of the quality of life and duration of survival for the patient with cancer. There exists at this time an increasing awareness of the impact of malnutrition upon the quality of patient life, duration of survival, and responsiveness to antineoplastic therapy. For this reason, the Division of Cancer Treatment is expanding its ongoing interest in the nutritional aspects of malignancy and its treatment.

Grant applications are invited for clinical and preclinical research in the general areas of anorexia, cachexis metabolism (including etiology and pathogenesis), nutritional supplementation, and the nutritional complications of antineoplastic therapy.

Rehabilitation: The division of Cancer Control and Rehabilitation (DCCR) of the National Cancer Institute is seeking interested investigators for the purpose of developing specific nutritional regimens that affect the rehabilitation of cancer patients. In general, rehabilitation in cancer is concerned with prevention of impairment, maintenance of host strength and function, and the early restoration of functional loss as a result of cancer or its treatment.

The following are given as examples of research areas relevant to rehabilitation. These are not meant to be inclusive, but only to illustrate some of the possible topics to be considered: 1) Dietary counseling for pediatric patients and their parents; 2) Effectiveness of psychological

support as an appetite stimulant; and 3) Consequences of malnutrition in host impairment and its relationship to patient rehabilitation.

TRAINING IN DIET/NUTRITION
CANCER RESEARCH

Programs are available for the training of individuals in the broad areas of diet and nutrition research as these might

relate to cancer. Two programs--Individual Postdoctoral Fellowships (F-32) and Institutional Training Grants (I-32) provide full-time, long-term support to promising individuals and well-qualified institutions through the National Research Services Act (NRSA) (P.L. 93-348). Additionally, the Cancer Research Career Development Program (RCDA) (K04) provides support for individuals with demonstrated research potential who require additional experience in preparation for careers in independent research. Complete information and appropriate application kits may be obtained from ORA at 373-5925.

VARIOUS INSTITUTES OF NIH
ANNOUNCE SUPPORT FOR RESEARCH
GRANTS, INDIVIDUAL POSTDOCTORAL
FELLOWSHIPS, SPECIAL EMPHASIS
RESEARCH CAREER AWARDS RELATED
TO THE EPIDEMIOLOGY OF DIABETES

Diabetes mellitus is a major public health problem in the United States today. Approximately 5 million Americans are known to have the disease, and it is estimated that an equal number are undiagnosed or will develop diabetes. It is the fifth

leading cause of death by disease, accounting for 35,000 deaths in 1976, and is a contributory factor in at least another 90,000 deaths each year. Diabetes is a major risk factor for the development of cardiovascular disease and a prime cause of end stage renal failure. Blindness is 25 times more common in the diabetic than in the nondiabetic population. About 1.5 million women in their child-bearing years are diabetic, and perinatal losses in their pregnancies are five times higher than in normal pregnancies; congenital abnormalities are three times the expected rate. Diabetes is a leading cause of visits to physicians, hospitalizations, and disability in the United States. The award of grants pursuant to this program announcement is contingent upon receipt of appropriated funds for this purpose.

Research Grants. Many needs and opportunities for epidemiologic research exist in diabetes. Among these are studies on the etiology of diabetes, including its nutritional, environmental, virological, immunological, and genetic components; epidemiologic approaches to the natural history of the disease; assessment of risk factors for diabetes; the causes of differences between populations and groups in the frequency of development and extent of the complications of diabetes, including cardiovascular, renal, neurologic, ocular, dental, and pregnancy complications; epidemiologic assessment of the relationship between obesity and diabetes; assessment of changes of glucose tolerance with aging; the relationship of gestational diabetes to subsequent overt diabetes; the relationship of diabetes to the loss of teeth through periodontal disease; evaluation of the socioeconomic costs of diabetes and its complications; and the

problems of patient compliance in this chronic disease. These are only a few of the areas where epidemiologic investigations are needed; they are not meant to be restrictive and are cited for illustrative purposes only. Research that utilizes or builds on existing population-based or clinic-based data sets, such as those already collected for studies on diabetes or other diseases, or the Health Interview and Health and Nutrition Examination surveys of the National Center for Health Statistics, is particularly encouraged.

Individual National Research Service Awards (postdoctoral fellowships). These awards are made to individuals, for the support of full-time research training, who have completed the requirements for the M.D. and Ph.D., D.D.S., or equivalent degree by the time of the award. Applicants must be citizens or non-citizen nationals of the U.S. or have been admitted to the U.S. for permanent residence. They must have arranged for an appointment at a U.S. or foreign nonprofit private or public institution and have been accepted by a sponsor who will supervise his/her training and research experience. Individuals trained in epidemiology are particularly encouraged to obtain research training at an institution which has a well-established clinical program in diabetes and/or its complications. Conversely, individuals trained in diabetes-related clinical areas are encouraged to apply for postdoctoral fellowship support to obtain research experience in epidemiologic methods which can be applied to diabetes and its complications.

Special Emphasis Research Career Award. This new award, which provides both salary support and funds for the conduct of research, is specifically designed to provide qualified clinicians with the opportunity to develop research skills in the cardiovascular, metabolic, and endocrinologic aspects of diabetes. For the first three years, the recipient is expected to develop capabilities in fundamental, applied, or clinical research. This training should include exposure to multiple disciplines, which may include epidemiology. During the fourth and fifth years, the recipient is expected to initiate and implement a research program of his/her own design, which may be epidemiologic in nature. NIAID and NHLBI welcome applications that include epidemiologic components in the training and research phases of the award.

Candidates for the SERCA award must (1) hold an M.D. or equivalent professional degree (e.g., D.D.S., D.O., D.V.M., and the like); (2) have a minimum of three years post-M.D. experience, including one year of clinical training in the subspecialties of either cardiovascular disease or endocrinology-metabolism, or two years post-M.D./Ph.D. experience or equivalent. M.D./Ph.D. applicants should possess significant experience in metabolic, endocrine, or related areas, cardiovascular physiology, biochemistry, pharmacology, or other relevant areas of interest, such as epidemiology; (3) be citizens or noncitizen nationals of the U.S. or its possessions or territories or must have been lawfully admitted to the U.S. for permanent residence at the time of application; (4) meet certain other eligibility requirements specified in the SERCA Program Guidelines.

Complete information and appropriate application kits may be obtained from ORA by calling 373-5925.

ADAMIA PROVIDES GUIDELINES
FOR THE RESEARCH SCIENTIST
DEVELOPMENT AND RESEARCH
SCIENTIST AWARD PROGRAMS

The purpose of the ADAMIA Research Scientist Development and Research Scientist Program is to foster the development of outstanding scientists and to enable them to expand their

potential for making important contributions in the fields of alcoholism, drug abuse, or mental health research. This is accomplished by providing several types of awards to enable talented investigators to engage essentially full-time and on a long-term basis in research and related activities, and to enhance their skills and dedication to these areas of research. Awards are made to institutions on behalf of specific outstanding individuals, and it is intended that these awards assist recipient institutions in maintaining and expanding existing research programs or establishing new ones for studies concerning alcohol, drug abuse, or mental health.

Applications are encouraged for scientists working in a variety of institutions with research programs related to alcoholism, drug abuse, and mental health--such as medical schools; departments of psychiatry; psychiatric hospitals or hospitals with psychiatric services; bio-medical research institutes; and departments of behavioral science. Interdisciplinary research proposals are encouraged, and applications for both basic and applied research will be supported.

Grants provided for these programs may support up to \$30,000 in basic salary for the individual candidate, fringe benefits, an indirect cost allowance not to exceed 8%, specialized training costs when justified and limited research costs under certain circumstances.

Types of Awards

- A. Research Scientist Development Awards. Two kinds of awards are available: (1) Type I, to support individuals with research potential who have the capacity to develop in experimental work, but who need additional training and experience in a productive scientific environment; (2) Type II, to support individuals with adequate training in research, who are prepared to design and conduct original research projects, but who need additional experience in order to realize their potential as experimental scientists.

- B. Research Scientist Awards. Research Scientist Awards are available for senior investigators in appropriate departments and centers where institutional funds would not be available for support of such investigators in essentially full-time research positions. While most awards at this level represent continuance of Federal support following support at the development award levels, it is possible for initial support for a senior investigator moving into full-time research or moving to a new institution to start with the Research Scientist Award. Further information may be obtained from ORA by calling 373-5925.

PLANETARY GEO-CHEMISTRY AND
GEO-PHYSICS

Planetary Programs, administered
through National Aeronautics and
Space Administration, supports

disciplines in geo-chemistry, geo-physics, cosmo-chemistry and seismology. The program seeks to investigate fundamental relationships among planets and satellites in the solar system, and to study concepts of their origin and evolution. Plans for FY 79 include:

1) Reduction of the data gathered from previous planetary and lunar missions. There will be an emphasis on data gathered from the Viking-Mars probe as well as data from the Apollo-Moon probe; 2) Continued basic research in the development of new concepts of planetary origin as well as new methods of supporting data analysis. Particular interest is anticipated in studies of silicate melts and their behavior as well as experimental studies on the physics of cratering; 3) Instrument definition studies for future flight missions. Current emphasis is on the development of instruments for a comet rendezvous mission in 1985.

Eligible are any higher education institution, profit or nonprofit research institution, industry or individual prepared to conduct research in planetary geophysics or planetary geochemistry. Investigators are usually sponsored by an educational or research institution or corporation which must endorse the proposal and forward it to NASA. Proposals should be sent to: The Lunar and Planetary Institute, 3303 NASA Road 1, Houston, Texas 77058, Attn: Lunar and Planetary Proposal Review. Informal contacts are also encouraged.

Guidelines covering this program can be found in the "Space Science Notice," issued June 30, 1978, and available through the Planetary Programs office. "Lunar Science Research Projects: Directory of Investigators," a compilation of abstracts of reports from principal investigators, is also available.

HOUSING MANAGEMENT RESEARCH

The Department of Housing and Urban
Development supports research in

housing management. Program officers stressed that they do not support particular disciplines, and are "problem oriented and not discipline oriented." Program requirements cut across many disciplines, including sociology, business administration, psychology and social sciences. Eligible are state and local governments, public and private profit and nonprofit organizations which have authority and capability to carry out projects. HUD publishes "Guidelines for Unsolicited Research," which is available from the Budget and Contracts Division of the Policy Development and Research Office, Department of HUD, 451 Seventh St., S.W., Washington, D.C. 20410.

CLIMATE RESEARCH--NASA

The National Aeronautics and Space
Administration supports programs

in climate research in the disciplines of physics, chemistry, meteorology and engineering. In FY '79, 100 percent of the program awards will be contracts. Eligible are any higher education institution, profit or

nonprofit research institution, or industry prepared to conduct research on climate through the use of space technology. Investigators are usually sponsored by an educational or research institution or corporation which must endorse the proposal and forward it to NASA. Guidelines covering this program can be found in the "Applications Notice" issued April 19, 1978, and available through the program officer. These guidelines are scheduled to be updated every one to two years. "Announcements of Opportunity" are also issued periodically for specific projects.

Proposals should be sent to: NASA Headquarters, Code EPM-20 (reference OSTA-78-A Climate), 600 Independence Avenue, S.W., Washington, D.C. 20546. Twelve copies of the proposed project should be submitted. Informal contacts with the program manager are also encouraged.

SOLAR HEATING AND COOLING

The Department of Housing and Urban Development supports a program in solar heating and cooling. The Solar Residential Demonstration Projects and Passive Residential Design Demonstration Projects are supported by grants. Other work for the program would be solicited by RFP and result in a contract award. Because this is primarily a demonstration program, it does not support disciplines as such; however, program requirements cut across many disciplines, including engineering and architecture. Applicants are solicited from architects, engineers, builders and residential designers. Project applications are solicited through a periodic Request for Grant Application (RFGA). It is announced through the architecture, building, and solar press, and through HUD's solar mailing list. To be entered on this list, call 800-523-2929 from anywhere in the U.S. The receiving address for applications varies. Information about the HUD and DOE Demonstration Program can be obtained by writing to: National Solar Heating and Cooling Information Center (NSHCIC), P.O. Box 1607, Rockville, Maryland, 20850; or by calling 800-523-2929 from anywhere in the U.S.

SEVERE STORMS PROGRAM

The National Aeronautics and Space Administration supports a program in severe storms in the disciplines of cloud physics, precipitation physics, meteorology, atmospheric and engineering. Program officers anticipate that for FY 79 100 percent of the awards will be in the form of contracts. RFPs are periodically issued by the appropriate field centers. However, the number of RFPs is negligible and the program consists primarily of unsolicited proposals. Eligible are any higher educational institution, profit or nonprofit research institution, industry or individual prepared to undertake research on severe storms. Investigators are usually sponsored by an educational or research institution or corporation which must endorse the proposal and forward it to NASA. Proposals should be sent to: NASA Headquarters, Code EPM-20 (reference OSTA-78-A Storms), 600 Independence Av., S.W., Washington, D.C. 20546. Twelve copies of the proposed project should be submitted. Informal contacts with the program manager are also encouraged.

For unsolicited proposal guidelines, obtain a copy of NASA publication entitled "Applications Notice," dated April 19, 1978. It is available through the program office.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic
department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to
ORA at 373-5925.

National Institutes of Health

Research Grants, new	March 1
Research Grants, renewals.	February 1
NIDR, Research on Sweeteners and Dental Caries.	March 1
NIAMDD, Multipurpose Arthritis Center (Letter of Intent Requested by November 1, 1978)	February 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent Requested by November 1, 1978).	February 1
NIAID, International Collaboration in Infectious Disease Research (Letter of Intent Requested by November 1). . . .	January 15
NIOSH, Research Grants, Occupational Safety and Health, Preventive Diseases.	March 1
NEY, Research Grants, Hydrodynamics of the Eye	March 1
NEY, Research Grants, Immunological Aspects of Ocular Disease	March 1
NEY, Research Grants, Secondary Glaucomas.	March 1
NIDR, Social and Behavioral Research Grants.	March 1
NIAMDD, RFA: Vitiligo: Pathophysiologic Mechanisms	March 1
NEY, Studies of the Human Visual System in Health and Disease Using Modern Techniques of Psychophysics and Physiological Optics	March 1
NINCDS, Research Grants, Field of Local Neuronal Interactions	March 1
NIAID, Studies on Respiratory Disease Agents	March 1
NIAMDD, New Investigator Awards, Diabetes.	March 1
NIGMS, Research Centers and Program Projects	March 1
Fogarty International Center, Senior International Fellowships.	December 1
NIA, Special Initiative Grants, Research on Aging.	March 1
NICHD, RFA: Research on Trisomy 21 (Down's Syndrome). . . .	March 1
NEY, Core Grants for Vision Research Centers	February 1
NIAMDD, Postdoctoral Fellowships, Diabetes, Endocrinology, and Metabolism Research.	February 1
NIAMDD, Institutional Training Grants, Endocrinology, and Metabolism Research.	February 1
NIEHS, Academic Investigator Award--Toxicology	February 1
NIA, The Culture Fibroblast-like Cell: The In Vivo Precursor Cell Types and the Post-proliferative Characterization	March 1
NIA, Nutrition in Relation to Health of the Aged and Aging Process.	March 1
NIA, Pharmacology Program.	March 1
NIA, Aging and Bereavement	March 1

National Institutes of Health (cont.)

NIA, Retirement and Aging.	March 1
NIA, Basic Aging Program	March 1
NIA, Clinical Investigator Award, Extramural and Collaborative Research Program	February 1
NIAID, RFA: Tropical Disease Units (Letter of Intent Requested by January 1, 1979).	March 1
NCI, Diet, Nutrition, and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation, and Training: Research Proposals Individual Postdoctoral Fellowships Institutional Training Grants Research Career Development Awards	All of the above due December, '78 or March 1
NHLBI, RFA: Studies on the Control and Differentiation of Mucus-Producing Cells (Letter of Intent by December 1, 1978).	January 15
NICHD, RFA: Major Research Programs Grants (Center for Research for Mothers and Children--Letter of Intent recommended by October 1 for February deadline).	February 1
NIAID, RFA: Control of Arthropod-Borne Viral Infections (Prior contact with NIAID suggested).	March 1
NHLBI, Studies on Endothelium in Relation to Atherogenesis (Brief Letter of Intent suggested)	March 1
NIGMS/NINCDS/NICHD/NEI/NIAMDD/NHLBI: Development and Evaluation of New Therapies for Rare Genetic Diseases. . .	March 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems.	March 1
NHLBI/NIAMDD: Special Emphasis Research Career Award, Diabetes Mellitus--Cardiovascular, Metabolic and Endocrinologic Aspects	February 15
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes: Research Grants.	March 1
Individual Postdoctoral Awards	February 1
Special Emphasis Research Career Awards.	February 15
NEY, Management of Severe Visual Impairment.	March 1
National Center for Health Services Research Grants for Dissertation Research Support	January 15
Health Resources Administration Division of Nursing, Nursing Research Program Grants	March 1
Alcohol, Drug Abuse and Mental Health Administration ADAMHA, Research Scientist Development Award, Type I and Type II.	February 1
ADAMHA, Research Scientist Awards	February 1
National Institute of Education Experimental Program for Opportunities in Advanced Study and Research in Education.	December 1
Fund for the Improvement of Postsecondary Education "Preliminary" Proposal Deadline.	Tentatively mid-January

U.S.O.E. (Dates reflect "mailing date" that must be reflected on proposals)

Fulbright-Hays Training Grants: Faculty Research Abroad, Foreign Curriculum Consultants, Group Projects, Doctoral Dissertation Research Abroad		November 3
College Library Resources Program.		November 6
Women's Educational Equity Act Program (New Projects).		November 17
Graduate and Professional Opportunities Program.		November 22
Special Services for Disadvantaged Students Program:		
Talent Search/Upward Bound		November 27
Educational Opportunity Centers Program.		November 27
Teacher Corp		November 30
Library Training Program		December 1
Bilingual Vocational Training Program.		December 1
Library Research and Demonstration Program		December 11
Consumer's Education Program		December 15
Public Service Education Program		December 22
Model Programs for School Aged Handicapped Children.		December 29
Community Education Programs		January 5
Graduate and Undergraduate International Studies Program (<u>Noncompeting Continuations Only</u>).		January 8
Foreign language and Area Studies Research Program		January 8
Handicapped Children's Early Education Program Demonstration (<u>Noncompeting Continuations Only</u>).		January 10
Education for the Use of the Metric System of Measurement.		January 12
Domestic Mining and Mineral and Mineral Fuel Conservation Fellowships		January 12
Cooperative Education Program.		January 15
Teacher Center Projects: (New, to State Office 1/31/79) (Continuations, to State Office 1/31/79)		March 1 (USOE deadline)
National Reading Improvement Program--Reading Academy Program.		January 31
Women's Educational Equity Act Program (<u>Noncompeting Continuations Only</u>).		February 28
Handicapped Children's Early Education Program-- Model Outreach (New Projects).		March 1
Strengthening Research Library Resources (New)		March 1
Media Research, Production, Distribution and Training Grant Program (New).		March 5
Handicapped Research and Demonstration Student Research (Second Cycle).		March 16
Teacher Corp (<u>Noncompeting Continuations Only</u>)		April 2
Community Service and Continuing Education--Special Projects Program:		
Noncompeting Continuations		April 2
New Projects		April 6

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Engineering Research Initiation.	December 1
Computer Science Research Equipment Proposals.	December 1
Ethics and Values in Science and Technology (EVIST)-- <u>Formal Proposals</u> with earliest starting date of June 1	December 1

National Science Foundation (cont.)

Scientists and Engineers in Economic Development (SEED) Program	December 1
U.S.-Latin America Cooperative Science Program	December 1
Unsolicited Research Proposals for the Condensed Matter Sciences Section, Division of Materials Research (Proposed Starting Dates: June-August 1979)--Programs include: Condensed Matter Theory, Low-Temperature Physics, Solid State Chemistry, and Solid State Physics	December 1
Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: June-August 1979)--Programs include: Gravitational Physics and Theoretical Physics.	December 1
Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Date: April 1)-- Areas of Interest include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment.	December 1
Comprehensive Assistance to Undergraduate Science Education (CAUSE).	December 4
Minority Institutions Science Improvement Program (MISIP).	December 4
Alan T. Waterman Award Nominations	December 31
Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Proposed Starting Dates: July-August 1979)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	December 31
Ethics and Values in Science and Technology (FVIST)-- <u>Preliminary Proposals with the earliest starting date of October 1, 1979</u>	January 2
Information Dissemination for Science Education (IDSE) Program.	January 10
Postdoctoral and Senior Postdoctoral Fellowships (at the National Center for Atmospheric Research).	January 15
Resource Center for Science and Engineering.	February
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: August/September 1979)--Programs include: Biochemistry, Biophysics, Cell Biology, Develop- mental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology.	February 1
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: September/ October 1979)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology.	February 5
Unsolicited Research Proposals for the Division of Social Sciences (Proposed Starting Dates: September/October 1979)-- Programs include: Economics, Human Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Social Indicators, Sociology, and Special Projects	February 15

National Science Foundation (cont.)

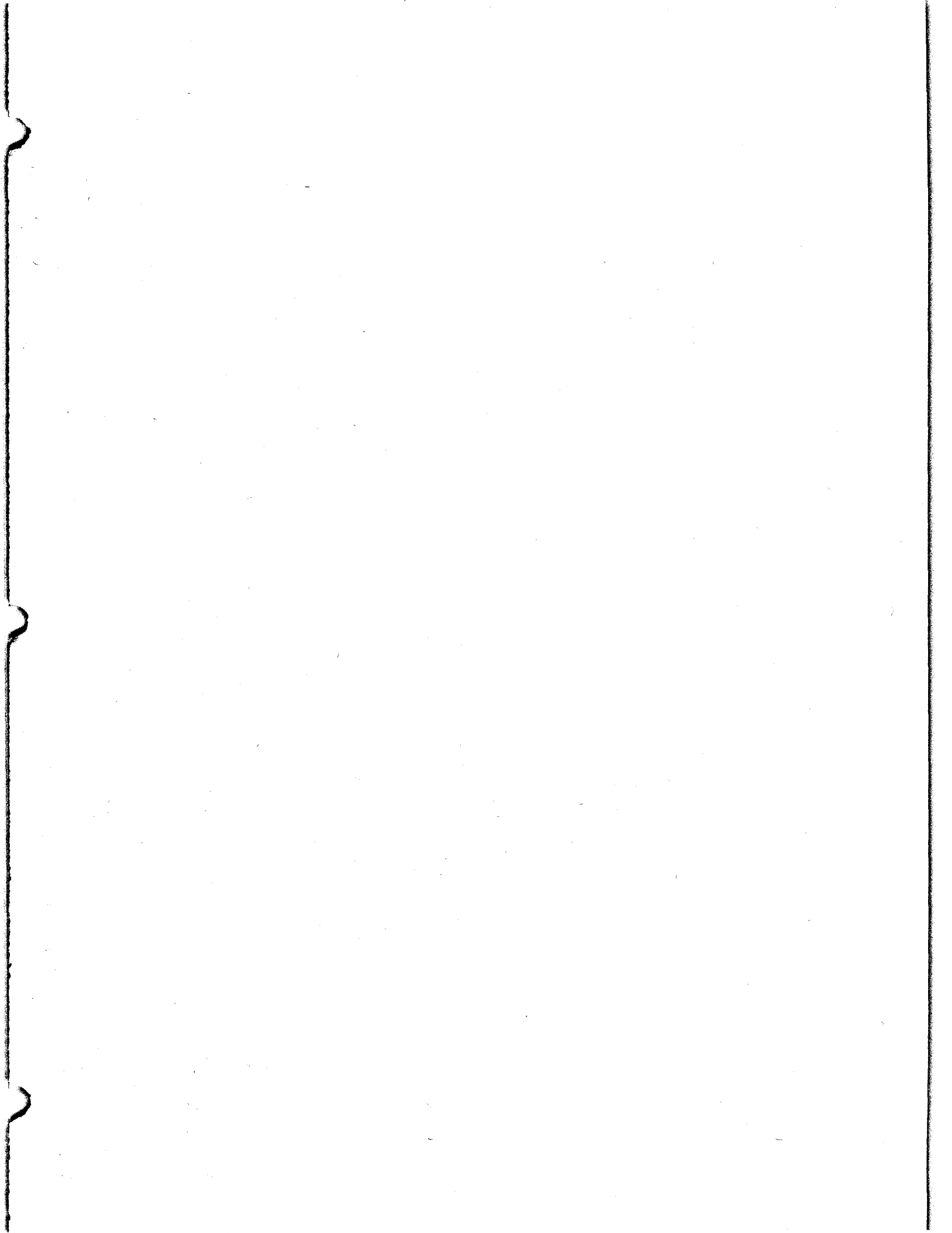
- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: September/October 1979)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology February 28
- U.S.-Japan Cooperative Science Program (For Cooperative Research with starting dates between January 1, 1980 and December 31, 1980) March 28

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1960.

- American Diabetes Association, Inc.
Research Grants. December 1
Research and Development Award November 15
- American Lung Association
Research Grants. December 1
- Childs (Jane Coffin) Memorial Fund for Cancer Research
Grants-in-Aid. January 1
Fellowships. January 1
- Institutional Research and Exchange Board
IREX Summer Language Program in Moscow January 10
Slovanic Studies Seminar in Bulgaria - August - Sophia January 10
- Minnesota Heart Association
Fellowships. November 15
Grants-in-Aid. November 30
- Minnesota Humanities Commission
Grants November 15 &
January 15
- Minnesota Medical Foundation
Research Grants Program. December 31
- Runyon-Winchell Cancer Fund
Fellowship Grants. December 15

The Office of International Programs has a listing of deadlines for fellowships and grants for international activities. Please contact the OIP at 373-3793 for additional information.



Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORADDC Newsletter

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Volume VIII/No. 6

NSF REPORTING REQUIREMENTS

The National Science Foundation requires the submission of a Final Technical Report and a Final Summary of Completed Project Report (Final Project Report NSF Form 98.A) within 90 days of the termination of grant period. We recently have been informed that NSF's Office of Grants and Contracts is monitoring report submissions to assure that the above requirement is met. If a Principal Investigator fails to discharge the responsibilities regarding these requirements, NSF will not make any new awards on proposals submitted by that individual. NSF has already exercised their right to delay processing an award for a proposal submitted by this institution because of failure to comply with their reporting requirements. It is therefore important that investigators follow these procedures so that projects requesting future funding are not jeopardized.

The Office of Research Administration notifies the Principal Investigator of the reporting requirements prior to the termination of the grant. Along with this notification, proper forms and instructions are supplied. These instructions require that the completed technical reports be forwarded to the Office of Research Administration with sufficient lead time to meet the 90-day deadline. If you have any questions regarding these requirements, please call 373-2784.

NSF SETS JANUARY DATE FOR INFORMATION DISSEMINATION FOR SCIENCE EDUCATION

The National Science Foundation has set a January 10 receipt deadline for Information Dissemination for Science Education proposals. The program encourages improvements in elementary and secondary school science, mathematics and social science by enabling school-system representatives and others concerned with education at the pre-college level to learn about new and alternative instructional materials, classroom practices, and recent science education research findings. For purposes of the program, Information Dissemination activities can be classified into three related categories: (a) Spread--the one-way transmission of information on products, ideas, and materials; (b) Exchange--the two-way, or multi-way, flow of information on products, ideas, and materials relating to needs, problems and potential solutions; (c) Choice--the facilitation of rational means of considering and selecting among ideas, materials and educational practices. Information dissemination activities may include curriculum and instructional materials, research

findings, concepts, processes and educational technologies pertinent to instruction in the sciences, including social science and mathematics at the pre-college level. Project activities could include information conferences structured along subject matter lines by grade level, as well as conferences built around available instructional technologies and pedagogical practices. Activities could also be proposed specifically for key State education department personnel or content supervisors from large cities. Eligible to apply are colleges and universities, professional, scientific and educational associations or societies, research institutes and laboratories, and State education agencies. During FY 1979, approximately \$1 million will be available. An individual proposal should not request support exceeding \$30,000.

ADAMHA TO PROVIDE PEER REVIEW
SUMMARY STATEMENT

A copy of the summary statement for each grant application reviewed by the National Advisory

Council of each Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) Institute will be routinely sent to the principal investigator or program director named in the application. This routine distribution will be made only after completion of Council review and only to the principal investigator or program director named in the application.

This policy is effective beginning with applications reviewed at September-October 1978 National Advisory Council Meetings for all grant programs administered by the central office. For grant programs administered by the regional offices, this policy is effective beginning with applications reviewed at the February-March 1979 Council meetings.

NIH ISSUES POLICY ON RESPONSIBILITY FOR CARE AND USE OF ANIMALS

The National Institutes of Health has issued a policy that assigns responsibility for humane care and use of animals under NIH grants,

contracts, and other awards, and describes requirements and procedures to fulfill these responsibilities. It supersedes NIH Guide for Grants and Contracts, Vol. 1, No. 7, pages 3-5, June 14, 1971, and implements PHS Grants Manual Chapter 1-43. Complete copy may be obtained from ORA at 373-5925.

EXTRAMURAL ASSOCIATES PROGRAM

The National Institutes of Health (NIH) reannounces a special program

under the Intergovernmental Personnel Act (IPA) of 1970 (Public Law 91-648) to promote the entry and participation of ethnic minorities and women in NIH-supported research.

Associates will be required to participate in the program for six months beginning approximately August 1, 1979, or February 1, 1980. Nominations and completed applications are due by January 31, 1979; selections will be announced by April 30, 1979.

Additional information concerning this program may be obtained by writing or calling: Administrator, Extramural Associates Program, National Institutes of Health, Room 1A10, Building 31, 9000 Rockville Pike, Bethesda, Maryland 20014. Telephone: (301) 496-9728.

GUIDELINES FOR ESTABLISHING AND OPERATING CONSORTIUM GRANTS The National Institutes of Health has issued guidelines to provide policy for the establishment and operation of a consortium grant with a sound administrative base among the participating institutions and between the NIH awarding unit and the grantee institution. It is a revision and supercedes the policy as stated in the NIH Guide for Grants and Contracts, Vol. 4, No. 8, p. 4, September 19, 1975.

NIH ISSUES REQUESTS FOR PROPOSALS

Below are new requests for proposals issued by various NIH institutes. Application materials must be obtained

from NIH by written request to address noted, including RFP reference number.

January 3: RFP-NCI-CM-87228, Recognition, Evaluation and Pre-Clinical Development of New Improved Anticancer Therapies, Associated Model Development. Write to: Treatment Contracts, RCB, NCI, Blair Building, Room 322, Silver Springs, Maryland, Attention: J. Thiesser.

January 22: RFP-NIH-NINCDS-79-02, Comprehensive Central Nervous System Trauma Centers. Write to: NIH Contracts Management Branch, NINCDS, Federal Building, Room 1012, 7550 Wisconsin Avenue, Bethesda, Maryland 20016, Attention: Ms. D. Tyler.

January 17: RFP-NIH-NIDR-12-78-11R, Clinical Research Record Systems for Cranofacial Anomalies. Write to: Office of Collaborative Research, NIDR, NIH, 5333 Westford Avenue, Room 537, Bethesda, Maryland 20016, Attention: Mrs. E. Muller.

March 1: RFP-NIH-NIDR-12-78-13R, Research Study for Development and Clinical Evaluation of Improved Gigival Pocket Depth Measurement Device or System for Evaluation of Periodontal Disease. Write to: Office of Collaborative Research, NIDR, NIH, 5333 Westford Avenue, Room 537, Bethesda, Maryland 20016, Attention: Marion Blevins.

NASA-SPACE SCIENCE CENTER OFFER REMOTE SENSING APPLICATIONS GRANT The University of Minnesota is the recipient of a grant from the University Applications Programs Office of the National Aeronautics and Space Administration (NASA) in support of research utilizing remote sensing techniques. Examples are the use of data transmitted from the earth orbiting Landsat to study particle transport and turbidity of lakes or the use of high altitude aerial photography for the study of field, forest and geological conditions. A major purpose of the grant is to promote research in cooperation with federal, state and local agencies which will facilitate the solution of problems in the State of Minnesota.

Applications for small grants under this program are invited for the 1979-80 fiscal year. Those interested should submit proposals to: William G. Shepherd, Director, Space Science Center, 103 Space Science Center, University of Minnesota, Minneapolis, Minnesota 55455. All applications will be reviewed for inclusion in the next renewal request to NASA. Information on the program and the past activities are available through the Space Science Center at the above address or by calling 373-5479.

COOPERATIVE RESEARCH MONIES MAY BE AVAILABLE IN AREAS RELATED TO JET PROPULSION LABORATORY The California Institute of Technology and NASA hope to make available a sum of \$550,000 during calendar year 1979 to support cooperative research on topics and in areas related to the interests and capabilities of the Jet Propulsion Laboratory. Such research is to be conducted by university and college personnel working in close cooperation with people at JPL. About 20 grants will be awarded during the calendar year. This program now operates on a calendar year basis. Proposals for research to be initiated within calendar year 1979 will be accepted for consideration not later than January 12, 1979. For parties not already familiar with JPL and its staff, aid in initiating exploratory contacts can be obtained through: Mr. Geoffrey Robillard, JPL 510-260, 4800 Oak Grove Avenue, Pasadena, California 91103. Telephone: (213) 354-7780.

WOODS HOLE OCEANOGRAPHIC INSTITUTION The Woods Hole Oceanographic Institution announces the following programs:
1) Postdoctoral awards in Ocean Science and Engineering (including biology, chemistry, geology, geophysics, mathematics, physics and meteorology) for 1979-80. Applications are invited for one-year awards from new or recent discoveries. Application deadline is January 1, 1979. Further information is available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833. Application forms are available from: The Fellowship Committee, Education Office, Clark Laboratory, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543.

2) A limited number of short-term appointments as Postdoctoral Investigator are available in connection with ongoing research projects in the

fields of biological, chemical, and physical oceanography, marine geology and geophysics, and ocean engineering. New or recent doctorates are invited to apply. Further information is available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833. Interested candidates should address inquiries to the appropriate Department Chairman, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543.

CHICAGO MERCANTILE EXCHANGE;
FELLOWSHIPS IN FUTURES

The Chicago Mercantile Exchange offers the following fellowship opportunities:

1) University Faculty Research Fellowships of up to \$3,000 awarded to qualified university professors engaged in research in the fields of economics, finance, agricultural economics, agribusiness or business administration. Applicants must submit original research proposals.

2) Visiting Professor Fellowships of up to \$1,500 plus travel expenses are available to professors engaged in teaching or research in economics, finance, agricultural economics, agribusiness or business administration. This program is designed for those interested in spending up to three weeks at the Chicago Mercantile Exchange working on projects of mutual interest to themselves and the C.M.E. Such research might deal with both the operational and managerial aspects of the Exchange.

Application deadline is January 15, 1979. Further information and application forms are available from the Chicago Mercantile Exchange, Education Department, 444 West Jackson Boulevard, Chicago, Illinois 60606.

PROGRAM OF ECONOMIC DEVELOPMENT
AND PUBLIC FINANCE

The Economic Development and Public Finance program, administered through the Department of Housing and Urban

Redevelopment, offers grants, contracts, and cooperative agreements. The program conducts research in state and local economic development and public finance in order to assist state and local governments in dealing with the problems of development, private employment opportunities, revenue and finance. Disciplines supported are economics, public administration and business administration. Eligible are state and local governments, public and private profit and nonprofit organizations which have authority and capability to carry out projects.

The new initiatives for FY 1979 include: 1) Economic Development: a) evaluation of the potential impact of the Urban Development Action Grants Program; b) evaluation of the urban impact of preferential federal procurement policies for distressed areas. 2) Public Finance: a) additional work in economic analysis of state and local pension issues; b) examination of the costs of government and development regulations (regarding housing and other development); and c) examination of government tax and expenditure limitations (in light of Proposition 13 and similar measures). 3) Urban Growth and Land Use: a) the Urban Infill RFP will be readvertised.

No general program guidelines are available. Specific information is always included in the RFPs and Request for Grant Applications (RFGAs). Although little unsolicited research is supported, HUD publishes "Guidelines for Unsolicited Research," available from the Budget and Contracts Division of PD&R, HUD, 451 Seventh Street, S.W., Washington, D.C. 20410. Application instructions vary, but are always included in the RFP or RFGA.

GEODYNAMICS RESEARCH PROGRAM

The Geodynamics Research Program, administered through the National Aeronautics and Space Administration (NASA), seeks to understand the solid earth and dynamic processes, with the eventual aim of developing earthquake prediction methods. Methods of investigation include theoretical, satellite and especially, ground-based studies. The main research emphasis in FY '79 will be on the interpretation of satellite derived gravity field maps in terms of global plate tectonics.

Unsolicited proposals will be accepted at any time of the year. However, program officers expressed a preference for receiving them in May-June. For unsolicited proposal guidelines, obtain a copy of NASA publication entitled "Applications Notice," dated April 19, 1978. Additional information on program plans can be found in the "NASA Geodynamics Program: Subprogram Plans," dated April, 1978. An "Announcement of Opportunity (AO No. OSTA 78-2) was issued September 15, 1978 on the Laser Geodynamics Satellite (Lageos). All three publications are available through Thomas L. Fascetti of the program office.

MATERIALS PROCESSING IN SPACE

The Materials Processing in Space Program, administered through the National Aeronautics and Space Administration, offers awards totally in the form of contracts. Program objectives are to demonstrate the capabilities of the space environment (particularly the aspect of weightlessness) for materials processing to the scientific and commercial user communities. Research activities involve ground-based and sounding rocket experiments, and to a lesser extent, theoretical studies.

Disciplines supported are materials science and technology, biomedical science and chemical engineering. Eligible to apply are any higher education institution, profit or nonprofit research institution or industry prepared to conduct research on materials processing, through the use of space technology. Investigators are usually sponsored by an educational or research institution or corporation which must endorse the proposal and forward it to NASA.

Guidelines for this program can be found in the "Applications Notice" issued April 19, 1978, and available through the program officer. These guidelines are scheduled to be updated every one to two years. "Announcements of Opportunity" are issued periodically, for specific projects. Also available is the publication "NASA Five Year Planning:

Fiscal Years 1979 through 1983." For this publication, write to:
Duke Stanford, NASA Headquarters, Code EP-3, 600 Independence Av., S.W.,
Room 245, Washington, D.C. 20546.

HUD'S EVALUATION STUDIES

The Department of Housing and Urban Redevelopment (HUD) supports contracts, grants, and cooperative agreements. Approximately two-thirds of the program support is in contract form; the remainder consists of grants and cooperative agreements. The program has the authority to do unsolicited research, but it is unlikely that they will support any in FY '79.

Current program plans exist in three areas: I. Housing Programs: (a) evaluation of the adequacy and problems associated with the incline certification process, and (b) evaluation of the new Urban Initiatives Program; II. Community Development Area: (a) evaluation of the CDBG program in small, non-entitlement cities; III. Fair Housing: (a) evaluation of the outcomes of Title VIII complaints, and (b) study of the role of housing information and search techniques in causing segregation.

No general guidelines are available. Specific information is always included in the RFP. Although little unsolicited research is supported, HUD publishes "Guidelines for Unsolicited Research," available from the Budget and Contracts Division of PD&R, HUD, 451 Seventh Street, S.W., Washington, D.C. 20410.

ENVIRONMENTAL QUALITY PROGRAM

The Environmental Quality Program, administered through the National Aeronautics and Space Administration, seeks to develop and apply space technology to the solutions of environmental problems through data analysis as well as groundbased, satellite and theoretical studies.

Disciplines supported include engineering, electronics; atmospheric physics; atmospheric chemistry; and computer science. In FY '79, all awards will be in the form of contracts. RFPs are periodically issued for specific projects.

PLANETARY ATMOSPHERES PROGRAM

The Planetary Atmospheres Program, administered by the National Aeronautics and Space Administration, exists to improve understanding of atmospheric structure and processes, of comets, planets, and their satellites, through theoretical and experimental investigation (not including ground-based observations) and the support of experimental techniques. Disciplines supported are atmospheric sciences, astronomy, astro-physics, aeronomy, physics and planetary sciences.

In FY '79, there will be continued data analysis of past missions, particularly Mars missions. There will be a de-emphasis on studies

of data obtained from Mariner X. There will also be increased interest in studies on comets and the inner planets. The program is divided into four areas of interest: (1) Lower Atmospheres, (2) Upper Atmospheres, (3) Extended Atmospheres and (4) Experiment Development.

Proposals should be sent directly to the program manager. For unsolicited proposal guidelines, obtain a copy of NASA publication NHB 5100.3 entitled "A Guide to Policies and Procedures for Sponsored Research" by writing: NASA, Proposal Control Officer, Code Y, Washington, D.C. 20546. More specific proposal guidelines are being prepared and will be available from the program office in November or December, 1978. No RFP's are issued for this program.

GLOBAL WEATHER RESEARCH

The Global Weather Research Program, administered through National Aeronautics and Space Administration, offers awards in the form of contracts. The objectives of the program are to develop an improved space capability for global observations of meteorological parameters that will contribute to our understanding of the physical processes which influence the state and large scale behavior of the atmosphere. Program activities include the development of improved satellite observing systems, development of improved techniques for extracting information from these observing systems and the improvement in the utilization of these data in weather forecasting.

The program is organized into five different areas: (1) Application, Research and Technology Development (ARTD), (2) Global Atmosphere Research Program (GARP), (3) Operational Satellite Improvement Program (OSIP), (4) Flight Projects, and (5) Shuttle Payload Development.

This program supports disciplines in physics, chemistry, meteorology and engineering. Eligible to apply are any higher education institution, profit or nonprofit research institution, or industry prepared to conduct research on weather through the use of space technology. Investigators are usually sponsored by an educational or research organization or corporation which must endorse the proposal and forward it to NASA. Unsolicited proposals will be accepted at any time. However, program officers indicated that they preferred to receive proposals during the months of May and June.

Announcements of Opportunity are issued periodically, for specific projects. Proposals should be sent to: NASA Headquarters, Code EPM-20, (Reference OSTA-78-A-Resources), 600 Independence Ave., S.W., Washington, D.C. 20546. Informal contacts, with the program manager, are also encouraged.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to
ORA at 373-5925.

National Institutes of Health

Research Grants, new	March 1
Research Grants, renewals.	February 1
NIDR, Research on Sweeteners and Dental Caries	March 1
NIAMDD, Multipurpose Arthritis Center (Letter of Intent Requested by November 1, 1978)	February 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent Requested by November 1, 1978).	February 1
NIAID, International Collaboration in Infectious Disease Research (Letter of Intent Requested by November 1).	January 15
NIOSH, Research Grants, Occupational Safety and Health, Preventive Diseases.	March 1
NEY, Research Grants, Hydrodynamics of the Eye	March 1
NEY, Research Grants, Immunological Aspects of Ocular Disease	March 1
NEY, Research Grants, Secondary Glaucomas.	March 1
NIDR, Social and Behavioral Research Grants.	March 1
NIAMDD, RFA: Vitiligo: Pathophysiologic Mechanisms	March 1
NEY, Studies of the Human Visual System in Health and Disease Using Modern Techniques of Psychophysics and Physiological Optics	March 1
NINCDS, Research Grants, Field of Local Neuronal Interactions	March 1
NIAID, Studies on Respiratory Disease Agents	March 1
NIAMDD, New Investigator Awards, Diabetes.	March 1
NIGMS, Research Centers and Program Projects	March 1
NIA, Special Initiative Grants, Research on Aging.	March 1
NICHD, RFA: Research on Trisomy 21 (Down's Syndrome).	March 1
NEY, Core Grants for Vision Research Centers	February 1
NIAMDD, Postdoctoral Fellowships, Diabetes, Endocrinology, and Metabolism Research.	February 1
NIAMDD, Institutional Training Grants, Endocrinology, and Metabolism Research.	February 1
NIEHS, Academic Investigator Award--Toxicology	February 1
NIA, The Culture Fibroblas-like Cell: The In Vivo Precursor Cell Types and the Post-proliferative Characterization	March 1
NIA, Nutrition in Relation to Health of the Aged and Aging Process.	March 1
NIA, Pharmacology Program.	March 1
NIA, Aging and Bereavement	March 1
NIA, Retirement and Aging.	March 1
NIA, Basic Aging Program	March 1
NIA, Clinical Investigator Award, Extramural and Collaborative Research Program	February 1
NIAID, RFA: Tropical Disease Units (Letter of Intent Requested by January 1, 1979).	March 1

National Institutes of Health (continued)

NCI, Diet, Nutrition, and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation, and Training:	
Research Proposals	March 1
Individual Postdoctoral Fellowships	March 1
Institutional Training Grants	March 1
Research Career Development Awards	March 1
NCI, RFA: Planning Model Cancer Prevention Programs at the Community Level (Letter of Intent Requested by February 1).	March 1
NIAMD, Asthma and Allergic Disease Centers (Letter of Intent by December 15, 1978)	February 1
NICHD, RFA: Studies of Unwanted Pregnancy	March 1
NIAMD/NICHD/NIAMD/NCI, Research Grant Support in Nutrition	March 1
NHLBI, RFA: The Effect of Diet on the Metabolism, Structure, Composition and Blood Levels of High Density and Other Lipoproteins	January 15
NIAMDD, Research Interests in Kidney Disease and Urology Program	March 1
NIAMDD, Hematology Program	March 1
NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent by June 1).	June 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	March 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	March 1
NIAMDD, Metabolic Diseases Program	March 1
NIAMDD, Research Interests in Skin Diseases	March 1
NIAMDD, Research Interests in Endocrinology	March 1
NIAMDD, Research Interests in Arthritis	March 1
NIAMDD, Research Interests in Musculoskeletal Diseases	March 1
NIAMDD, Clinical Nutrition Research Centers (Letter of Intent by November 15, 1978 or March 1, 1979).	February 1 or June 1
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979).	January 15 or March 1
NCI, RFA: "Patterns of Care" in Oncology (Letter of Intent by December 1, 1978 or February 1, 1979)	January 15 or March 1
NCI, RFA: The Role of Nutrition in the Rehabilitation of Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979)	January 15 or March 1
NCI, RFA: Program for Improved Care of Cancer Patients with Terminal Diseases (Letter of Intent by December 1, 1978 or February 1, 1979).	January 15 or March 1
NHLBI, RFA: Studies on the Control and Differentiation of Mucus-Producing Cells (Letter of Intent by December 1)	January 15

Alcohol, Drug Abuse and Mental Health Administration	
ADAMHA, Research Scientist Development Award, Type I and Type II.	February 1
ADAMHA, Research Scientists Awards	February 1
National Institute of Education	
Fund for the Improvement of Postsecondary Education	
"Preliminary" Proposal Deadline.	Tentatively mid-January
Grants for Research on Organizational Processes:	
Preliminary Proposals followed by.	December 18
Full Proposal.	April 16
Small Grants	December 18 or April 16
Unsolicited Proposals.	April 1
Health Resources Administration	
Division of Nursing, Nursing Research Program Grants	March 1
Health Careers Opportunity Program	January 5
National Center for Health Services Research	
Grants for Dissertation Research Support	January 15
U.S.O.E. (Dates reflect "mailing date" that must be reflected on proposals)	
Consumer's Education Program	December 15
Public Service Education Program	December 22
Model Programs for School Aged Handicapped Children.	December 29
Community Education Programs	January 5
Graduate and Undergraduate International Studies	
Program (<u>Noncompeting Continuations Only</u>).	January 8
Foreign Language and Area Studies Research Program	January 8
Handicapped Children's Early Education Program	
Demonstration (<u>Noncompeting Continuations Only</u>).	January 10
Education for the Use of the Metric System of Measurement. . .	January 12
Domestic Mining and Mineral and Mineral Fuel	
Conservation Fellowships	January 12
Cooperative Education Program.	January 15
National Reading Improvement Program--Reading Academy Program.	January 31
Women's Educational Equity Act Program (<u>Noncompeting Continuations Only</u>).	February 28
Handicapped Children's Early Education Program--	
Model Outreach (New Projects).	March 1
Strengthening Research Library Resources (New)	March 1
Gifted and Talented Program.	January 8
Teacher Center Projects: (New, to State Office 1/31/79)	
(Continuations, to State Office 1/31/79)	March 1
Media Research, Production, Distribution and Training Grant Program (New).	March 5
Handicapped Research and Demonstration Student	
Research (Second Cycle).	March 16
Teacher Corp (<u>Noncompeting Continuations Only</u>)	April 2
Community Service and Continuing Education--Special Projects Program:	
Noncompeting Continuations	April 2
New Projects	April 6

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

- Alan T. Waterman Award Nominations January 1
- Unsolicited Research Proposals for the Oceanography Section,
Division of Ocean Sciences (Proposed Starting Dates: July/
August 1979)--Programs include: Biological Oceanography,
Marine Chemistry, Physical Oceanography, and Submarine
Geology and Geophysics January 1
- Ethics and Values in Science and Technology (EVIST)--
Preliminary Proposals with the earliest starting date of
October 1, 1979) January 2
- Request for NCAR Flight Support for Atmospheric Research January 3
- Information Dissemination for Science Education (IDSE)
Program. January 10
- Postdoctoral and Senior Postdoctoral Fellowships (at the
National Center for Atmospheric Research). January 15
- Unsolicited Research Proposals for the Division of Applied
Research--Sections include: Applied Social and Behavioral
Sciences, and Applied Physical, Mathematical, and Biological
Sciences and Engineering January 20
- Resource Center for Science and Engineering. February
- Public Understanding of Science (PUOS) Program--Preliminary
Proposals with the earliest starting date of October 1,
1979 February 1
- U.S.-Australia Cooperative Science Program (for long-term
visits to start between October 1, 1979 and
March 31, 1980). February 1
- Unsolicited Research Proposals for the Division of Earth
Sciences (Proposed Starting Dates: September/October 1979)--
Programs include: Geochemistry, Geology, and Geophysics . February 1
- Unsolicited Research Proposals for the Division of
Physiology, Cellular and Molecular Biology (Proposed
Starting Dates: August/September 1979)--Programs
include: Biochemistry, Biophysics, Cell Biology, Develop-
mental Biology, Genetic Biology, Human Cell Biology,
Metabolic Biology, and Regulatory Biology. February 1
- Unsolicited Research Proposals for the Division of
Environmental Biology (Proposed Starting Dates: September/
October 1979)--Programs include: Ecology, Ecosystem Studies,
Population Biology and Physiological Ecology, and Systematic
Biology. February 5
- Unsolicited Research Proposals for the Division of Social
Sciences (Proposed Starting Dates: September/October 1979)--
Programs include: Economics, Human Geography and Regional
Science, History and Philosophy of Science, Law and Social
Sciences, Political Science, Social Indicators, Sociology,
and Special Projects February 15
- Unsolicited Research Proposals for the Division of
Behavioral and Neural Sciences (Proposed Starting Dates:
September/October 1979)--Programs include: Anthropology,
Linguistics, Memory and Cognitive Processes, Neurobiology,
Psychobiology, Sensory Physiology and Perception, and Social
and Developmental Psychology February 28

National Science Foundation (continued)

- Instructional Scientific Equipment Program (ISEP). March 1
- U.S.-India Exchange of Scientists Program (for travel support to India after November 15, 1979). March 15
- Research in Science Education (RISE) March 31
- U.S.-Japan Cooperative Science Program (for Cooperative Research with starting dates between January 1, 1980 and December 31, 1980) March 31

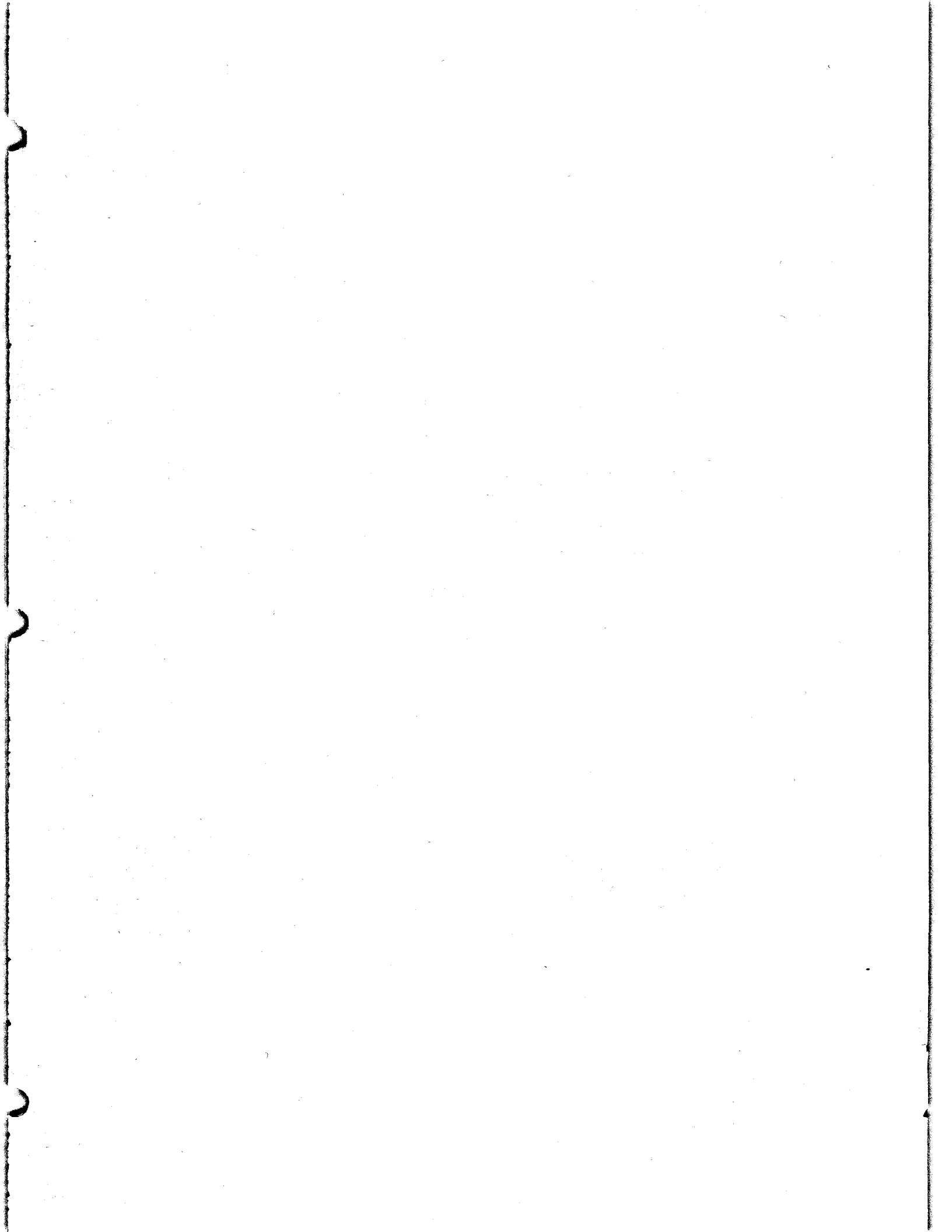
PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1960.

Childs Memorial Fund

- Grants-in-Aid & Fellowships. January 1
- International Research and Exchanges Board
 - Summer Exchange of Language Teachers with the USSR January 10
- Mellon Foundation at St. Louis University. January 15
- Minnesota Humanities Commission. January 15
- National Multiple Sclerosis Society
 - Grants and Pre-Doctoral Fellowships. February 15
- Pharmaceutical Manufacturers Association
 - Medical Student Research Fellowships January 15
 - Developmental Grant for Clinical Pharmacology Units. January 15
 - Fellowship Awards in Pharmacology-Morphology January 15

Many of the private agencies change funding policies without general notification. We would be interested in hearing of changes. It is requested that proposals reach ORA as far in advance of the deadline as possible.



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PROPOSAL BUDGETS FOR NSF

In the November 1978 issue of the ORA-RDC Newsletter, information was provided to limit salary payments of investigators to \$47,500 per annum. We have disseminated additional information to deans, directors, department heads and principal investigators regarding this matter, however, we failed to mention the manner in which budgets should be developed for periods after September 30, 1979. Since NSF has not provided any information in this regard, it has been decided that proposal budgets for periods after September 30, 1979 should be submitted at the anticipated salary rate of the investigator. We feel this is appropriate since the limitation is currently applied only to FY 1979 NSF appropriations. In the event that NSF's FY 1980 appropriation bill does not contain this limitation, proposals submitted will reflect proper salary amounts. If you have any questions regarding this matter, please call Judith Krzyzek at 373-2784.

NATIONAL RESEARCH SERVICE
AWARDS INCOME TAX LIABILITY

A November 21, 1978 letter from the Public Health Service clarified the income tax liability of NRSA recipients from 1974 through 1979 [P.L. 95-600, Section 161(b)]. In general, it provides that, subject to certain limitations, degree candidates may exclude the full amount of their scholarships or fellowships from their gross income for purposes of taxation, and non-degree candidates may exclude up to \$300 a month of such awards for up to 36 months. As a result, many NRSA recipients may be eligible for refunds on taxes paid on NRSA income in years subsequent to 1974 and may find they have reduced tax liability in 1978 and 1979. The tax situation for NRSA recipients for years after 1979 is not certain at this time. Individuals should consult their local IRS office about the applicability of the new law to their situations and for information on the proper steps to be taken regarding their tax obligations or claims for current and past tax years. A copy of the letter has been disseminated to department heads and deans of units currently housing NRSA students. Additional copies may be obtained by calling ORA at 373-5925.

FELLOWSHIPS & GRANTS OFFERED
THROUGH OIP

The Office of International
Programs (OIP) has information
on fellowships and grant programs

which support international activities, including deadline dates.
For further information, please contact the OIP at 373-3793.

NSF ENCOURAGES SMALL COLLEGE
FACULTY ARRANGEMENTS

The opportunity for faculty members at
small institutions to arrange work with
an investigator at another, larger

institution has been announced by National Science Foundation. The
investigator at the larger institution must hold or be applying for an
NSF research grant, but may then request supplemental funding to cover
additional costs.

Individuals at smaller colleges should make their own arrangements
with investigators at larger universities or laboratories, as NSF
does not act as intermediary. For more information, contact the
appropriate person as follows: Cecilia Spearing, Mathematical and
Physical Sciences, and Engineering (202/632-4248); Roland Radloff,
Biological, Behavioral and Social Sciences (202/634-1518); or Albert
Bridgewater, Astronomical, Atmospheric, Earth and Ocean Studies
(202/632-4181).

NIE-NSF COLLABORATIVE PROGRAM

The program announcement for the
National Institute of Education/
National Science Foundation Program of Research on Cognitive Processes
and the Structure of Knowledge in Science and Mathematics is now
available from NSF. The application closing date is February 23, 1979.

SMITHSONIAN POSTDOCTORAL
FELLOWSHIPS

A limited number of fellowships is
available for postdoctoral scholars
to pursue further training in

research. A \$12,000 stipend per annum plus research allowance in-
cluded. Awards are available in the following areas: the history
of art, cultural history, earth sciences, anthropology, biological
sciences, the history and technology of science. Application
deadline is January 15, 1979. Information and application materials
are available from Office of Fellowships and Grants, Smithsonian
Institution, Washington, D. C. 20560.

NATIONAL RESEARCH
COUNCIL ASSOCIATESHIPS

Regular and Senior Research Asso-
ciateship opportunities are available
from the National Research Council

for 1979-80. Regular Research Associateships will be awarded to
persons who have held the doctorate less than five years at the

time of application; Senior Research Associateships are awarded only to investigators who have held the doctorate five years or more at the time of application. Awards are open to U.S. citizens and citizens of other countries who have reasonable command of the English language. Applications must be postmarked by January 15, 1979. Applications are available from the Associateship Office (JH 606), National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

NEWBERRY LIBRARY FELLOWSHIPS IN
THE HUMANITIES, 1979-80

The following fellowships in
the humanities are offered
by the Newberry Library:

(1) The Newberry Library National Endowment for the Humanities Fellowships--Available for scholars who wish to spend from six to eleven months in residence at the Newberry Library. Applicants must be established scholars at the post-doctoral level or its equivalent, and maximum stipend is \$18,000 for eleven months residency. Application deadline is February 1, 1979.

(2) Short-Term Resident Fellowships for Individual Research--Appointments with stipends of \$500 per month for periods not exceeding three months are available. Applicants must have the Ph.D. or have completed all requirements except the dissertation. Application deadlines are March 1 and November 1, 1979.

(3) Monticello College Foundation Fellowship for Women--A six month fellowship for work in residence at the Newberry is available for a woman scholar. Applicants must have the Ph.D. Preference is given to applicants whose scholarship is particularly concerned with the study of women but study may be proposed in any field appropriate to the Newberry collections. This award is designed primarily for women at any early stage in the professional career. Stipend is \$6,500. Application deadline is March 15, 1979.

(4) Resident Fellowships for Research in the following Special Newberry Programs are also available: Newberry Library Program in the Humanities of the Associated Colleges of the Midwest and the Great Lakes Colleges Association (April 1, 1979); The Family and Community History Center (April 1, 1979); The Hermon Dunlap Smith Center for the History of Cartography (no deadline); The Center for the History of the American Indian (January 31, 1979).

Additional information and application forms are available from the Committee on Awards, The Newberry Library, 60 West Walton Street, Chicago, Illinois 60610.

GEOHERMAL ENERGY STUDIES

Proposals for engineering and economic utilization of hydrothermal resources are being sought by U.S. Department of Energy. Especially sought are site-specific studies dealing with industrial and agricultural processing, mineral extraction, and space/water heating and

cooling for commercial and residential buildings. Multiple contracts are anticipated under this Program Research and Development Announcement (PRDA), with each ranging up to \$125,000 and six- to 12-months in length. For copies of this PRDA, send four self-addressed mailing labels to: DOE, Attn: Gerald Katz, Secretary, PRDA 003-79-ET-27004, 1333 Broadway, Oakland, California 94612. Proposals will be due January 16.

ELECTRIC AND HYBRID VEHICLES

U.S. Department of Energy is now accepting formal applications for loan guarantees under the Electric and Hybrid Vehicle Research, Development and Demonstration Program. This program, which provides loan guarantees to cover projects related to the development of electric and hybrid vehicles, was not funded last year but has received the necessary appropriations for FY 1979. Applications should be submitted as early as possible. For more information, write: Demonstration and Incentives Branch, Transportation Energy Conservation Office of Assistant Secretary, Conservation and Solar Applications, DOE, 20 Massachusetts Ave., N.W., Washington, D.C. 20545.

PROGRAM OF BASIC RESEARCH IN
PERSONNEL PERFORMANCE & TRAINING

The U.S. Army Institute for the Behavioral and Social Sciences offers a program in basic research in personnel performance and training, which supports the discipline of psychology. Eligible to apply are any higher education institution, nonprofit or profit-making research organization, or industry prepared to undertake research germane to this program. Investigators are usually sponsored by an educational or research institution or corporation which must endorse the proposal and forward it to the Institute.

Published guidelines can be obtained by writing to: Dr. R. M. Sasmor, Chairman, Themes Review Panel, Room 6E06, 5001 Eisenhower Avenue, Alexandria, Virginia 22333.

No RFPs are issued for this program. Unsolicited proposals will be accepted any time of the year. These should be forwarded to: Dr. R. M. Sasmor or Dr. D. Barton, Themes Review Panel, Room 6E06, 5001 Eisenhower Ave., Alexandria, Virginia 22333. Informal contacts with either Dr. Barton or Dr. Sasmor are strongly encouraged.

APPROPRIATE TECHNOLOGY SMALL
GRANTS OFFERED BY DOE

The Department of Energy offers a program of Appropriate Technology Small Grants. Support is available to individuals, local non-profit organizations and institutions, state and local agencies, Indian tribes and small

business. Guidelines were published in the Federal Register, Vol. 43, No. 153, issue dated Tuesday, August 8, 1978. Also, "Guide for the Submission of Research Proposals from Educational Institutions," and "Guide for the Submission of Research Proposals from Individuals and Organizations Other Than Educational Institutions" are both available from the program office. Specific project guidelines are contained in individual Program Announcements.

Application for support should be made to the DOE Regional Office listed in the Program Announcement. For further information, including a list of names and addresses of the various Regional Program Managers, contact Ann Hegnauer, Appropriate Technology Small Grants Program, Buildings and Community Systems, Office of Conservation and Solar Applications, 20 Massachusetts Avenue, N.W., Washington, D.C. 20545, Room 2248. Or call (202) 376-4711.

HUD ANNOUNCES RESEARCH IN
COMMUNITY CONSERVATION

The Department of Housing and
Urban Development announces
a program in Community Conserva-

tion Research supporting disciplines in urban planning, economics, sociology, research methodology, political science and statistical analysis. This program deals with the processes of neighborhood change and the design and testing of intervention techniques to stabilize and preserve neighborhoods. Eligible to apply are private and public, profit and nonprofit organizations and agencies that have the authority and capability to carry out projects.

No general guidelines are available. Specific information is always included in the RFP. Although little unsolicited research is supported, HUD publishes "Guidelines for Unsolicited Research." This is available from the Budget and Contracts Division of PD&R, HUD, 451 Seventh Street, S.W., Washington, D.C. 20410.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

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agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

- Research Grants, new March 1
- Research Grants, renewals. February 1
- NIDR, Research on Sweeteners and Dental Caries March 1
- NIAMDD, Multipurpose Arthritis Center (Letter of Intent
Requested by November 1, 1978) February 1

National Institutes of Health (cont.)

NIAMDD, Diabetes Research and Training Centers (Letter of Intent Requested by November 1, 1978)	February 1
NIOSH, Research Grants, Occupational Safety and Health, Preventive Diseases.	March 1
NEY, Research Grants, Hydrodynamics of the Eye	March 1
NEY, Research Grants, Immunological Aspects of Ocular Disease	March 1
NEY, Research Grants, Secondary Glaucomas.	March 1
NIDR, Social and Behavioral Research Grants.	March 1
NIAMDD, RFA: Vitiligo: Pathophysiologic Mechanisms	March 1
NEY, Studies of the Human Visual System in Health and Disease Using Modern Techniques of Psychophysics and Physiological Optics	March 1
NINCDS, Research Grants, Field of Local Neuronal Interactions	March 1
NIAMD, Studies on Respiratory Disease Agents	March 1
NIAMDD, New Investigator Awards, Diabetes.	March 1
NIGMS, Research Centers and Program Projects	March 1
NIA, Special Initiative Grants, Research on Aging.	March 1
NICHD, RFA: Research on Trisomy 21 (Down's Syndrome).	March 1
NEY, Core Grants for Vision Research Centers	February 1
NIAMDD, Postdoctoral Fellowships, Diabetes, Endocrinology, and Metabolism Research.	February 1
NIAMDD, Institutional Training Grants, Endocrinology, and Metabolism Research.	February 1
NIEHS, Academic Investigator Award--Toxicology	February 1
NIA, The Culture Fibroblas-like Cell: The In Vivo Precursor Cell Types and the Post-proliferative Characterization	March 1
NIA, Nutrition in Relation to Health of the Aged and Aging Process.	March 1
NIA, Pharmacology Program.	March 1
NIA, Aging and Bereavement	March 1
NIA, Retirement and Aging.	March 1
NIA, Basic Aging Program	March 1
NIA, Clinical Investigator Award, Extramural and Collaborative Research Program	February 1
NIAMD, RFA: Tropical Disease Units (Letter of Intent Requested by January 1, 1979).	March 1
NCI, Diet, Nutrition, and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation, and Training:	
Research Proposals	March 1
Individual Postdoctoral Fellowships.	March 1
Institutional Training Grants.	March 1
Research Career Development Awards	March 1
NCI, RFA: Planning Model Cancer Prevention Programs at the Community Level (Letter of Intent Requested by February 1).	March 1
NIAMD, Asthma and Allergic Disease Centers (Letter of Intent by December 15, 1978)	February 1

National Institutes of Health (cont.)

NICHD, RFA: Studies of Unwanted Pregnancy	March 1
NIAMD/NICHD/NIAID/NCI, Research Grant Support in Nutrition	March 1
NIAMDD, Research Interests in Kidney Disease and Urology Program.	March 1
NIAMDD, Hematology Program	March 1
NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent by June 1).	June 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	March 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	March 1
NIAMDD, Metabolic Diseases Program	March 1
NIAMDD, Research Interests in Skin Diseases.	March 1
NIAMDD, Research Interests in Endocrinology.	March 1
NIAMDD, Research Interests in Arthritis.	March 1
NIAMDD, Research Interests in Musculoskeletal Diseases	March 1
NIAMDD, Clinical Nutrition Research Centers (Letter of Intent by November 15, 1978 or March 1, 1979).	February 1 or June 1
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979).	January 15 or March 1
NCI, RFA: "Patterns of Care" in Oncology (Letter of Intent by December 1, 1978 or February 1, 1979)	January 15 or March 1
NCI, RFA: The Role of Nutrition in the Rehabilitation of Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979)	January 15 or March 1
NCI, RFA: Program for Improved Care of Cancer Patients with Terminal Diseases (Letter of Intent by December 1, 1978 or February 1, 1979).	January 15 or March 1
Alcohol, Drug Abuse and Mental Health Administration	
ADAMHA, Research Scientist Development Award, Type I and Type II.	February 1
ADAMHA, Research Scientists Awards	February 1
National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal.	April 16
Small Grants	April 16
U.S.O.E. (Dates reflect "mailing date" that must be reflected on proposals)	
National Reading Improvement Program--Reading Academy Program.	January 31
Women's Educational Equity Act Program (<u>Noncompeting Continuations Only</u>).	February 28
Handicapped Children's Early Education Program--	
Model Outreach (New Projects).	March 1
Strengthening Research Library Resources (New)	March 1

U.S.O.E. (cont.)

Teacher Center Projects: (New, to State Office 1/31/79) (Continuations, to State Office 1/31/79)	March 1 (USOE deadline)
Media Research, Production, Distribution and Training Grant Program (New)	March 5
Handicapped Research and Demonstration Student Research (Second Cycle)	March 16
Teacher Corp (<u>Noncompeting Continuations Only</u>)	April 2
Community Service and Continuing Education--Special Projects Program:	
Noncompeting Continuations	April 2
New Projects	April 6

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Resource Center for Science and Engineering	February
Public Service Science Residencies (Science for Citizens Program)	February 1
Public Understanding of Science (PUOS) Program-- <u>Preliminary Proposals with the earliest starting date of October 1, 1979</u>	February 1
Specialized Research Equipment Grants for the Division of Engineering	February 1
U.S.-Australia Cooperative Science Program (for long-term visits to start between October 1, 1979 and March 31, 1980)	February 1
Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: September/October 1979)-- Programs include: Geochemistry, Geology, and Geophysics .	February 1
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: August/September 1979)--Programs include: Biochemistry, Biophysics, Cell Biology, Develop- mental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology.	February 1
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: September/ October 1979)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology.	February 5
Unsolicited Research Proposals for the Division of Social Sciences (Proposed Starting Dates: September/October 1979)-- Programs include: Economics, Human Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Political Science, Social Indicators, Sociology, and Special Projects	February 15
Research on Cognitive Processes and the Structure of Knowledge in Science and Mathematics	February 23

National Science Foundation (cont.)

- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: September/October 1979)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology February 28
- Instructional Scientific Equipment Program (ISEP). March 1
- U.S.-India Exchange of Scientists Program (for travel support to India after November 15, 1979). March 15
- Research in Science Education (RISE) March 31
- U.S.-Japan Cooperative Science Program (for Cooperative Research with starting dates between January 1, 1980 and December 31, 1980) March 31
- Development in Science Education (DISE)--Formal Proposals with the earliest starting date of September 1, 1979 April
- Ethics and Values in Science and Technology (EVIST)--Formal Proposals with the earliest starting date of October 1, 1979. April 1
- Public Understanding of Science (PUOS) Program--Formal Proposals with the earliest starting date of October 1, 1979. April 1
- U.S.-Australia Cooperative Science Program (for seminars/workshops with starting dates between January 1, 1980 and June 30, 1980) April 1
- U.S.-New Zealand Cooperative Science Program (for long-term visits with starting dates between December 1, 1979 and May 31, 1980). April 1
- Unsolicited Research Proposals for the Division of Applied Research--Sections include: Applied Social and Behavioral Sciences; and Applied Physical, Mathematical, and Biological Sciences and Engineering. April 1
- Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: October 1, 1979)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics April 30
- Ethics and Values in Science and Technology (EVIST)--Preliminary Proposals with the earliest starting date of February 1, 1980. May 1

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1960.

- Mellon Foundation at St. Louis University. January 15
- Minnesota Humanities Commission. January 15
- National Multiple Sclerosis Society
Grants and Pre-Doctoral Fellowships. February 15
- Pharmaceutical Manufacturers Association
Medical Student Research Fellowships January 15
- Developmental Grant for Clinical Pharmacology Units. January 15
- Fellowship Awards in Pharmacology-Morphology January 15

Many of the private agencies change funding policies without general notification. We would be interested in hearing of changes. It is requested that proposals reach ORA as far in advance of the deadline as possible.

ORA RDC Newsletter

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Published Jointly by the Office of Research Administration and the Research Development Center

February, 1979

Volume VIII/No. 8

FRINGE BENEFIT BILLING RATES THROUGH JUNE 30, 1979

Following are the correct fringe benefit billing rates for the period January 1, 1979 through June 30, 1979.

	Academic %	Civil Service %
Health Plan	3.8375	6.3759
Unemployment/Worker's Comp	.0191	1.3275
Faculty Retirement	10.4214	---
Group Life	.0475	.2493
MSRS	---	6.0000
Social Security	5.0533	6.1032
Actual Billing Rate Effective 1/1/79	19.3788	20.0559
Estimated rates to be used for budgeting after 6/30/79	20.0	21.0
6/30/80	21.0	22.0

INDIVIDUAL CONSULTANTS SERVICES POLICY

A memorandum of December 15 to deans, directors, and department heads from C. T. Johnson, Associate Vice

President for Finance, sets forth revised procedures for securing individual consultant services. Faculty and staff working with sponsored programs are urged to read this memo carefully. The University form B.A. 206 is to be used for all consultant agreements and is available from the General Storehouse. Faculty and staff are reminded that as is the case with sponsored program financial documents, there must be a clearly stated relationship between the consulting and the project that is to be charged. This relationship must be made a part of the work statement (Item #7) of the Memorandum of Agreement. The work statement may be expanded, if necessary, by using an additional page and referencing that addition in the Item #7 space. The agreement provides space for signatures recommending approval to ORA. Recommending signatures from the appropriate department head and dean are a matter of departmental and collegiate policies. Department heads and deans who wish to require that consulting agreements carry their signatures should promptly inform their faculty and staff of this requirement. To bind the University to the agreements, only the signature of the Director of the Office of Research Administration or the Associate Vice President for Finance is necessary.

Questions regarding the agreements should be directed to the appropriate ORA Grant Administrator.

NEW STAFF MEMBER JOINS
ORA'S HEW GROUP

Mr. Todd Morrison has joined the HEW group in the Office of Research Administration, taking responsibility for assisting departments with the preparation of proposal budgets, reviewing completed proposals, and administering awards. He may be contacted at 373-5930. Ms. Fran Welch has similar responsibilities with agencies consisting of NASA, DOT, DOE, USDA, USDI, and DOC. She may be reached at 373-2785.

LABORATORY SAFETY COURSE OFFERED A laboratory safety course is being offered by the Department of Environmental Health and Safety to be held on Tuesday afternoons in March, at 3:00 p.m. in Boynton Health Service N-101. New laboratory technicians and research scientists desiring an introduction to laboratory safety, as well as experienced personnel interested in updating their knowledge, would benefit from the course.

The first three lectures will cover chemical, biological and physical hazards, their prevention and control. Discussion will include the type and nature of the potential hazards, prevention and control through laboratory design, protective equipment for the individual and the environment, and appropriate laboratory technique. The final session will be devoted entirely to fire protection and control. Dates for the first three lectures are March 6, 13 and 20; the last lecture will be held on March 27.

The course also offers an opportunity to meet members of the Department of Environmental Health and Safety and to learn about the services they provide. Although reservations are not required, to aid in planning it is requested that you let the department know if you plan to attend by calling 373-3167. Questions about course content or the schedule can be directed to the course coordinator, Craig Moody, at 373-9925.

AMERICAN CANCER SOCIETY--
INSTITUTIONAL RESEARCH GRANT

The University of Minnesota has been awarded a renewal of its Institutional Research Grant from the American Cancer Society (ACS) for 1978-79. This fund is intended to serve as "seed" money permitting the initiation of promising new projects or novel ideas, especially by junior investigators, in cancer-related research. Encouragement of cancer research may also be facilitated by support of seminars on cancer-related topics, and by graduate student research. The fund is administered by a Dean's Committee of the Medical School with representation from other biologically-oriented colleges. The Committee is now accepting applications for individual grants not to exceed \$4,000 from this fund with a deadline of March 1. Instructions and application forms may be obtained from the Committee chairman: Dr. C. F. Moldow, Department of Medicine, Room C313, Mayo Building, telephone: 373-9085.

WOODS HOLE OCEANOGRAPHIC
INSTITUTION POSTDOCTORAL
FELLOWSHIPS

Woods Hole Oceanographic Institution offers postdoctoral fellowships for people in social sciences, law, or natural sciences to do research in

Marine Policy and Ocean Management. Appropriate research for this program is broadly defined; studies in past years have included ocean waste disposal, management programs for the New England fishery, deep sea mining, energy siting in the coastal zone, and various topics related to Law of the Sea. Fellows will receive a stipend of \$15,000 for one year (award generally begins in June or September). Application deadline is February 15, 1979. Application should be made to: Dean of Graduate Studies, Clark Laboratory, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543.

TRAINING & RESEARCH OPPORTUNITIES IN THE PEOPLE'S REPUBLIC OF CHINA The following programs are available for training and research opportunities for natural scientists, social scientists and humanists in the People's Republic of China (1979-80).

Advanced Training Program: Fellowships available for advanced training in the People's Republic of China. Includes language instruction at the Peking Language Institute, followed by study at Chinese universities or research institutes. Applicants must be U.S. citizen and must spend one full year in the PRC. Program begins September 1979.

Research Program: Applicants must submit carefully formulated research proposals which can be expected to bring successful results within the present Chinese academic context. Applicants must be U.S. citizen. Tenure is from three months to one year in the natural sciences and six months to one year in the social sciences and humanities.

Senior Scholar Research Program: Senior scholars must be at the level of associate professor or above or its equivalent. Applicants must submit carefully formulated research proposals which can be expected to bring successful results within the present Chinese context. Tenure is from three months to one year between June 1979 and August 1980.

Further information and application forms available from: Committee on Scholarly Communication with the People's Republic of China, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. Application deadline is February 9, 1979.

GERMAN ACADEMIC EXCHANGE SERVICE Short Term Research Grants are available to recent post-doctorals to spend from two to six months in the Federal Republic of Germany. Grants are awarded in all fields except medicine. Travel costs not included. Applicants must be U.S. citizen and currently enrolled at or employed by a U.S. University and/or research institution. Age limit is 32 years; applicants should provide proof of adequate knowledge of German. Applications and further information available from the German Academic Exchange Service, One Fifth Avenue, Suite 11D, New York, N.Y. 10003. Application deadline is March 31, 1979.

FELLOWSHIPS & GRANTS OFFERED
THROUGH OIP

international activities, and include deadline dates. For further information, please contact OIP at 373-3793.

The Office of International Programs (OIP) has information on fellowships and grant programs which support

PHYSICAL ELECTRONICS PROGRAM

The Physical Electronics Program, administered through the Department of the Army, supports disciplines in electronics, physics, metallurgy and chemistry. Some of the more specific objectives of the program in FY '79 and '80 include research on silicon technology and semiconductors with the aim of improving the understanding and control of material perfection, doping, surfaces and interfaces, and charge transport properties. Research in magnetic ferrite materials will lead to improved devices in the frequency range above 20GHz, and the Army Research Office sponsored studies indicate that very little is known about fundamental frequency limits of magnetic materials in the millimeter and submillimeter wave region. Studies in electro-optics are needed for better mode control in support of fiber optical communication, optical radar and battlefield illumination. During FY '79 and '80, attention will be focused on those interface and carrier transport properties that will determine the operational capabilities of existing and future Army electronics devices.

The Physical Electronics Program, administered through the Department

Proposers are strongly recommended to make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the submission of a formal proposal. For the Physical Electronics Program, contact Dr. Jimmie Suttle, Director, or Dr. Horst Wittmann, Associate Director, Communications Engineering and Electronics Division, U.S. Army Research Office, P.O. Box 12211, Research Triangle Park, North Carolina, 27709. Or call (919) 546-0641, extension 240.

ELECTRON DEVICES PROGRAM

The Electron Devices Program, administered through the Department of the Army, supports disciplines in electronics, physics, chemistry and metallurgy. Beginning February 3, all new agreements will be supported by contracts. This does not change the Army Research Office policy for sponsoring extramural research. Cost-sharing is encouraged, but not required.

The Electron Devices Program, administered through the Department of the

Specific emphasis in this program is placed on semiconductor research where such studies as transit time effects, millimeter and submillimeter wave devices and photo/electron resists are singled out as of outstanding importance. Studies of acoustic devices for frequency stabilization and signal processing are included in this subtask. The industrial trend is presently oriented towards smaller and smaller devices in the submicron region in order to increase the signal processing and computing capability per unit area. A major goal of the program is to support fundamental research in the area of submicron science during FY '79 and beyond to

insure that stringent Army requirements will be satisfied by such devices. Because of the broad relationship of this area to all DOD elements, close coordination of the program is maintained between ARO, ONR, NSF, and other relevant government agencies.

Proposers are strongly recommended to make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the submission of a formal proposal. For the Electron Devices Program, contact Dr. Jimmie Suttle, Director, or Dr. Horst Wittmann, Associate Director, Communications Engineering and Electronics Division, U.S. Army Research Office, P.O. Box 12211. Or call (919) 549-0641, extension 240.

BIOLOGICAL SCIENCES PROGRAM The Biological Sciences Program, administered through the Department of the Army, supports disciplines in nutrition and food processing, microbiology, biological waste treatment, waste disposal, environmental sciences, toxicology, immunology, physiology and multidisciplinary areas.

Major research areas of the program are: Food and Ration Research (Nutritional Quality; Pest Control in Stored Products; Storage and Safety) ; Protection of Material from Quality and Rehabilitation; Biological Weapons Defense; Chemical Weapons Defense; Human Sensory Factors in Performance Enhancement; Technology Base; and Conference Support.

In FY '79, emphasis will be on new proposals in the areas of biological weapons detection and identification, and on pest control for stored products. Both areas demand fundamental knowledge before significant results can be expected for problem solution. There will be an attempt to get a few more proposals in these categories and in the general category, at the expense of food and ration research (the largest category). Other priority areas include: the protection of military material for its usable lifetime balanced with the need for rapid dissolution when it has become waste; the use of enzymes or other biological systems to achieve conversions of large scale waste and by-products of military manufacture; studies on the toxicology of effluents from Army material and potential impact on the environment; basis physiology and immunology studies in the area of chemical weapons defense; the physiology of the human sensory system in military performance, especially the functional aspects of the visual and aural system. The technology base research area allows for acceptance of novel proposals that do not fit comfortably within any of the other program areas.

Proposers are strongly recommended to make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the formal submission of a proposal. For the Biological Sciences Program, contact Dr. R. Ghiradelli, Director, Chemical-Biological Sciences Division, U.S. Army Research Office, P.O. Box 12211, Research Triangle Park, North Carolina 27709. Or call (919) 549-0641, extension 209.

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NCI, RFA: Planning Model Cancer Prevention Programs at the Community Level (Letter of Intent Requested by February 1)	March 1
NICHD, RFA: Studies of Unwanted Pregnancy	March 1
NIAMDD, Research Interests in Kidney Disease and Urology Program.	March 1
NIAMDD, Hematology Program	March 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	March 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	March 1
NIAMDD, Metabolic Diseases Program	March 1
NIAMDD, Research Interests in Skin Diseases.	March 1
NIAMDD, Research Interests in Endocrinology.	March 1
NIAMDD, Research Interests in Arthritis.	March 1
NIAMDD, Research Interests in Musculoskeletal Diseases	March 1
NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition.	March 1
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979).	March 1
NCI, RFA: "Patterns of Care" in Oncology (Letter of Intent by December 1, 1978 or February 1, 1979)	March 1
NCI, RFA: The Role of Nutrition in the Rehabilitation of Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979)	March 1
NCI, RFA: Program for Improved Care of Cancer Patients with Terminal Diseases (Letter of Intent by December 1, 1978 or February 1, 1979).	March 1
NEY, Research on Cannabinoids in the Treatment of Glaucoma.	March 1
NEY, Research on Retinal and Choroidal Disease Program	March 1
NINCDS, Field of Chronic Pain.	March 1
NCI, RFA: New Approaches in Surgical Oncology	March 1
Fogarty International Center, Sr. International Fellowships in Special Fields: Aging, Arthritis, Diabetes, Epilepsy, Tropical Diseases.	March 1
NHLBI, RFA: Bronchial Secretions: Physical and Chemical Studies (Letter of Intent Requested by 2/1/79)	March 1
NHLBI, RFA: Response of the Pulmonary Endothelium to Injury (Letter of Intent Requested by 1/15/79)	March 1
NIA, The Genetic Basis of Aging: Drosophila as a Model System	March 1
NEY, Research on Macular Disease	March 1
NIAID, RFA: Legionnaires' Disease	March 1
NHLBI, RFA: Studies on the Effects of Hypertension and Vasoactive Agents on the Vasculature (Letter of Intent Requested by 1/12/79--not a requirement)	April 6
NHLBI, Preventive Cardiology Academic Award.	May 1
NIAMDD, Postdoctoral Fellowships, Diabetes, Endocrinology, and Metabolism Research.	June 1
NIEHS, Academic Investigator Award--Toxicology	June 1

National Institutes of Health (cont.)

NIA, Clinical Investigator Award, Extramural and Collaborative Research Program	June 1
NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent Requested by 3/1/79).	June 1
NIAMDD, Clinical Nutrition Research Centers (Letter of Intent Requested by 3/1/79).	June 1
NHLBI, RFA: Hypertension Specialized Centers of Research (Letter of Intent by 3/3/79).	June 8
NIAMDD/NHLBI/NIA/NIAID/NICHD/NINCDS: Studies on Overnutrition and Obesity.	June 1
NICHD, RFA: The Implications of Sustained Low Fertility	July 1
NEY, Core Grants for Vision Research Centers	July 1
Alcohol, Drug Abuse and Mental Health Administration	
ADAMHA, Research Scientist Development Award, Type I and Type II.	June 1
ADAMHA, Research Scientists Awards	June 1
National Center for Health Services	
Grants for Research on Quality and Economy of Drug Prescribing	April 1
National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal.	April 16
Small Grant.	April 16
Teaching and Learning Research Grants.	March 29
Fund for the Improvement of Post-secondary Education	
"Adapting Improvements: Better Strategies for Educating Adults".	February 14
"Examining the Varieties of Liberal Education"	February 14
U.S. Office of Education	
Handicapped Children's Early Education Program--Model Outreach (New Projects).	March 1
Strengthening Research Library Resources (New)	March 1
Teacher Center Projects (USOE deadline).	March 1
Media Research, Production, Distribution and Training Grant Program.	March 5
Handicapped Research and Demonstration Student Research (Second Cycle)	March 16
Community Service and Continuing Education--Special Projects Program (New)	April 6
Graduate and Undergraduate International Studies Program.	February 20

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

NIE/NSF Research on Cognitive Processes and the Structure of Knowledge in Science and Mathematics.	February 23
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: September/October 1979)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology	February 28

National Science Foundation (cont.)

- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Date: July 1)-- Areas of research include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment. March 1
- U.S.-India Exchange of Scientists Program (for travel support to India after November 15, 1979). March 15
- Research in Science Education (RISE)--Preliminary Proposals. March 31
- U.S.-Japan Cooperative Science Program (for Cooperative Research with starting dates between January 1, 1980 and December 31, 1980) March 31
- Development in Science Education (DISE)--Formal Proposals with the earliest starting date of September 1, 1979 . . . April
- Ethics and Values in Science and Technology (EVIST)-- Formal Proposals with the earliest starting date of October 1, 1979. April 1
- Public Understanding of Science (PUOS) Program--Formal Proposals with the earliest starting date of October 1, 1979. April 1
- U.S.-Australia Cooperative Science Program (for seminars/ workshops with starting dates between January 1, 1980 and June 30, 1980) April 1
- U.S.-New Zealand Cooperative Science Program (for long-term visits with starting dates between December 1, 1979 and May 31, 1980). April 1
- Unsolicited Research Proposals for the Division of Applied Research--Sections include: Applied Social and Behavioral Sciences; and Applied Physical, Mathematical, and Biological Sciences and Engineering. April 1
- Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: October 1, 1979)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics April 30
- Ethics and Values in Science and Technology (EVIST)-- Preliminary Proposals with the earliest starting date of February 1, 1980. May 1
- Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: Nov. 1, '79) May 1
- Scientists and Engineers in Economic Development (SEED) Program June 1
- U.S.-Antarctic Research Program (for research in Antarctica during the 1980-81 austral summer (September 1980 through March 1981) and extending through the southern hemisphere winter of 1980; for research or data analysis in the U.S. to commence approximately January 1, 1980 June 1
- U.S.-Latin America Cooperative Science Program (Proposed Starting Date: January 1, 1980) June 1

National Science Foundation (cont.)

- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Date: October 1, 1979)--Areas of research include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment. June 1
- Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: January/February 1980)--Programs include: Geochemistry, Geology, and Geophysics June 15
- U.S.-France Cooperative Research Program June 30

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1960.

- American Cancer Society
 - Personnel for Research March 1
 - Research and Clinical Investigation. April 1
- Booth-Ferris Foundation
 - Theological Education. No deadline
- Burroughs-Wellcome Fund
 - Visiting Professorships in Basic Medical Sciences. May 1
- Epilepsy Foundation of America
 - Medical Student Fellowships. March 1
 - Fellowships in Vocational Rehabilitation April 1
- IRES
 - Travel Grants for Senior Scholars. March 31 & May 31
 - Special Grants in the Humanities and Social Sciences (all with exchange countries) March 31
- Juvenile Diabetes Foundation
 - Research Grants. March 1
- Minnesota Humanities Commission. March 15 & May 15
- *Minnesota Medical Foundation
 - Small Grant Medical Research Program March 31 & June 30
- Morris Animal Foundation April 15
- National Multiple Sclerosis Society Postdoctoral Fellowship Program March 15
- Noyes (J.S.) Foundation Scholarships and Fellowships April 1, June 1, September 1 & December 1
- Orthopedic Research Foundation March 1 & November 1
- Runyon-Winchell Cancer Fund Fellowships. March 15, August 15, December 15

PRIVATE (cont.)

United Cerebral Palsy Research and Educational Foundation
Research Grants. April 15 &
September 1
Fellowships. No deadline

*It is necessary to process these applications in the normal manner. This includes the B.A. 23, human subjects information, and proper signatures obtained before submission.

TRAVEL FUNDS TO SEEK
RESEARCH SUPPORT

This is a reminder that travel funds are available to faculty members through the Graduate School Research

Development Center for the purpose of seeking external research support. Requests should be made directly to your collegiate research officer in the form of a letter which details the trip itinerary, noting persons/agencies to be contacted and matters to be discussed, expected results of the trip, availability of matching funds, if any, to cover the trip, and where possible, the expected amount of potential external support. Please direct any questions to your collegiate research officer or the GSRDC.

1978-79 DIRECTORY OF VISITING
FULBRIGHT LECTURERS AND
RESEARCHERS IN THE U.S.

Approximately 650 visiting scholars from 64 countries, representing a wide range of disciplines, are in the United States during academic

year 1978-79 under the sponsorship of the Fulbright-Hays program. During their stay in the United States many of them will be available to give occasional lectures in their special field or on general topics relating to the history and culture of their home countries, providing they can arrange for brief absences from teaching or research assignments at their American host institutions. A Directory of Visiting Fulbright Lecturers and Researchers in the U.S., 1978-79, available in the Graduate School, lists visiting scholars by discipline. If you would like a copy of the listing in your discipline, please call 373-3001.

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

ORA
RDC

Newsletter

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NSF SETS APRIL 1 TARGET DATE FOR UNSOLICITED RESEARCH PROPOSALS FOR THE DIVISION OF APPLIED RESEARCH

April 1 has been established as the next target date for the receipt for unsolicited research proposals for programs in the National Science Foundation's Division of Applied Research.

RESEARCH AREAS

FY 1979 OBJECTIVES

Applied Social and Behavioral Sciences

Individual and Group Processes To identify and stimulate the development of new technologies and technical processes growing out of discoveries in the behavioral sciences, including new technologies for the blind or other sensory deprived individuals and new communication and control devices for industrial application.

Industrial Organizations and Markets To provide an improved understanding of public and private processes, organizational structures, and policies as they relate to industrial organization and performance, and to the effective use of human, capital, and natural resources within the American economic system.

Public Policy and Regulations To provide more and better information on policy issues of national concern such as unemployment, international trade, regulations, telecommunications, inflation and the use of scientific and technical information in judicial and administrative decisionmaking.

Public Service Delivery and Urban Problems To provide government policymakers and managers, public interest groups, and other public and private voluntary associations with improved information on the changing character of urban areas in the U.S., the changing demands for services, alternative mechanisms for improving governmental responsiveness to service needs, and improvements in the effectiveness and equity of service delivery by both the public sector and private market.

Applied Physical, Mathematical, and Biological Sciences and Engineering

Biological and Ecological Applications To accelerate the rate of technological innovation based on basic advances in the biological and ecological disciplines, and to provide information on the links between ecosystems and economic and social systems as a way of improving the information base for formulating public policies which affect our national resource capability.

RESEARCH AREAS

FY 1979 OBJECTIVES

Geophysical and Environmental Applications To accelerate the rate of technological innovations based on advances in the oceanographic and earth sciences, including methods for exploiting ocean resources, techniques for utilizing coastal and estuary areas for resource production, and improvement of techniques and sensing devices for exploration and extraction of minerals.

Physical, Mathematical, and Engineering Applications To facilitate the rate of technological innovations which hold promise for long-run improvements in industrial processes, materials availability and handling, and increased efficiency. This area will be receptive to applied research proposals which build on fundamental research in such areas as catalysis, laser chemistry, and mathematics.

For further information, please call Judy Krzyzek at 373-2784.

INTERNATIONAL PROGRAMS APPOINTS ADVISORY COMMITTEE ON WOMEN IN INTERNATIONAL DEVELOPMENT

An interdisciplinary committee which will focus on the role of women in international development, and the impact of policies and programs on women and families, has been appointed by LaVern Freeh, director, Office of International Programs. The committee will serve in an advisory capacity to the office.

Barbara Knudson, professor, criminal justice studies, is chairperson of the group which is composed of faculty and graduate students with interest and expertise in research, teaching, and service projects in developing countries.

VARIETY CLUB HEART HOSPITAL RESEARCH FUND

The Variety Club Heart Hospital Association has generously established a fund through which the Cardiovascular Research and Training Center may offer support to young investigators in cardiovascular research. Small grants in the amount of \$2,500 will be awarded. The awards may not be used for salary support or for payment of travel costs in excess of \$500. They are otherwise unrestricted, within the framework of existing University policy.

The Cardiovascular Coordinating Committee invites young investigators who are presently engaged in research in the cardiovascular field to submit application for a one-year award in this amount. The candidate should not be more than four years from the completion of clinical training, or, in the case of the Ph.D., more than four years from completion of the degree.

(continued)

The outline of the application is to be as follows:

APPLICATION FOR A GRANT IN AID OF RESEARCH (Not to exceed two
typewritten pages)

1. Name and Position of the Applicant; 2. Proposed Date of Initiation of Support; 3. Subject of the Proposed Research and a Brief Description of Work in Progress; 4. Nature and Importance of the Proposed Project; 5. Statement of Financial Need (to include detailed information of present or pending support awarded directly to the applicant); 6. Signatures of both the applicant and the sponsoring individual (the investigator in charge of the laboratory where the project will be carried out).

Applications should be delivered or mailed to: Gary Tykeson, Administrative Assistant, Paul F. Dwan--Variety Club Cardiovascular Research and Training Center, Room 122 K-E Building, Mayo Box 433, University of Minnesota. Applications are due by Friday, April 6.

ORA/RDC MAILING LIST UPDATE

A review of the mailing list for the ORA/RDC Newsletter indicates there are a number of names and addresses which appear outdated. In an effort to update this list, we ask that you examine your mailing label and notify us of the appropriate corrections. Please let us know also if you are receiving unnecessary duplicate copies of the Newsletter.

ANIMAL RESOURCES DIRECTORY IS NOW AVAILABLE

The Directory describing the animal resources of NIH's Division of Research Resources (DRR) has been completely revised and is now available free. Titled Animal Resources, A Research Resources Directory (Rev. 1978), the 57-page booklet is designed as a guide to aid scientists seeking resource assistance and collaboration involving animals in biomedical research. The Directory identifies animal diagnostic laboratories, animal information projects, animal reference centers, special colony and model study centers, and NIH's major Primate Research Centers currently supported by DRR.

Specific examples of resources provided by the program are animal surgery, x-ray and clinical pathology units; special animal research facilities such as radiation sources, scanning and transmission electron microscopes, and pollution exposure chambers; animal disease diagnostic services; reference reagents and antisera; germfree animals; and a great variety of invertebrate and vertebrate species, including domestically bred nonhuman primates and specific genetic strains and models in development.

The Directory identifies the resources provided, research emphasis or application, the principal investigator or director, and address and telephone number. A contact person is indicated for each resource. Included is a geographic index listing the resources by State and within each State. A map shows the locations of the Primate Research Centers and Animal Diagnostic Laboratories throughout the country.

A single free copy of Animal Resources, A Research Resources Directory (Rev. 1978) may be secured by writing to: Research Resources Information Center, 1776 East Jefferson Street, Rockville, Maryland 20852; or by request from: Office of Science and Health Reports, Division of Research Resources, National Institutes of Health, Bethesda, Maryland 20014.

INVITATION FOR APPLICATIONS
TO USE THE PROPHET COMPUTER
SYSTEM

The Division of Research Resources invites applications from qualified groups of biomedical research scientists who need the data base management and analytical capabilities of its PROPHET computer system. The PROPHET System is a national computer resource which was initiated-- and continues to be developed and managed--by the CBIH Program of the Biotechnology Resources Program, Division of Research Resources, National Institutes of Health.

User groups gain access to the PROPHET System by making application to the CBIH Program. The application is reviewed by a peer review group which evaluates each application with respect to (1) the merit of the ongoing biomedical research conducted by the group of applicants, (2) the need for computerized tools, in general, and the specialized tools available on the PROPHET System, in particular; and (3) the ability of the group to contribute to the evaluation of current PROPHET System tools and help initiate development of new tools. Successful applicants receive a graphics display terminal with accessories, and access to the PROPHET Computer System via telephone line. Users are required to partially share the cost of system operation: the minimum cost per site is \$7,500 annually. This includes access to the system, and provision of local graphics and communications hardware as well as user assistance. If you require additional information or would like an application form, please write to: Dr. Jack Hahn, CBIH Program, Biotechnology Resources Program, National Institutes of Health, Room 5B43, Building 31, 9000 Rockville Pike, Bethesda, Maryland 20014.

APRIL 1 DUE DATE FOR LONG-TERM
VISITS UNDER U.S.-NEW ZEALAND
PROGRAM

Long-term visits (6-12 months) enable U.S. scientists to visit New Zealand to conduct research in collaboration with New Zealand scientists

at a research center or laboratory that provides unique opportunities for the U.S. investigator. Interested U.S. scientists should correspond directly with their New Zealand colleagues to establish and coordinate objectives and the proposed visit. Starting dates are between December 1, 1979 and May 31, 1980. The program contact is: Alan Milsap, Program Manager, U.S.-New Zealand Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D.C. 20550; or call (202) 632-5806.

MARCH 31 DUE DATE FOR COOPERATIVE
RESEARCH UNDER U.S.-JAPAN PROGRAM

To increase the effectiveness of the interaction of the U.S. and Japanese scientific communities,

U.S. and Japanese scientists may wish to consider application to the program when special benefits can be expected from collaboration (sharing of unusual facilities and research environments, joining of complementary skills in experimentation and theoretical analysis, combined use of resources in solving problems of common concern, and similar cooperative investigations). Proposals may be submitted in any area of the natural sciences with special emphasis on food productivity, environmental sciences, and marine biology. Starting dates are between January 1, 1980 and December 31, 1980. For more information, contact: James A. Holt, Program Manager, U.S.-Japan Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D.C. 20550; or call (202) 632-5782.

SEMINAR PROPOSALS FOR U.S.-
AUSTRALIA PROGRAM DUE
APRIL 1, 1979

Formal seminar/workshop proposals are now being accepted to April 1, 1979 to enable small groups of U.S. and Australian scientists to exchange

information on common research problems and to coordinate research efforts. Proposals are considered only in cases where the meeting is a separate and discrete entity that has been initiated and developed from the outset with bilateral input from both a U.S. and an Australian organizer. Simultaneous submission of proposals is required from both sides to their respective organizations for funding. Starting dates are between January 1, 1980 and June 30, 1980. The program contact is: Alan Milsap, Program Director, U.S.-Australia Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D.C. 20550; or call (202) 632-5806.

NATIONAL INSTITUTE OF LAW
ENFORCEMENT AND CRIMINAL
JUSTICE ANNOUNCES COMPETITIVE
RESEARCH GRANT

The National Institute of Law En-
forcement and Criminal Justice
announces a competitive research
grant solicitation to support a
study of the movement of confined

offenders between mental health and correctional facilities. The major objective of this research is to acquire greater understanding of incarcerated population sources and flows both within and between these two systems of confinement.

The solicitation requests submission of draft proposals rather than full, formal proposals. Full proposals will be requested from those applicants receiving favorable review by a peer review panel. In order to be considered, a draft proposal must be received by the National Institute no later than April 1, 1979. One grant will be awarded under this announcement. A maximum of \$250,000 will be awarded for a project with an expected duration of 24 months. Additional information and copies of the solicitation may be obtained by contacting: Lawrence A. Greenfeld, Corrections Division, Office of Research Programs, National Institute of Law Enforcement and Criminal Justice, 633 Indiana Avenue, N.W., Washington, D.C. 20531; or call (301) 492-9118.

THE POLICE DIVISION ANNOUNCES
PROGRAM PLANS FOR FY 1979

The Police Division of the National
Institute of Law Enforcement and
Criminal Justice, Department of

Justice, announces the following projects for FY 1979:

1. Replication of the Kansas City preventive patrol experiment that will modify the original research design based on criticisms and suggestions made of the earlier work. The improved design will be used to assess the soundness of the findings about the effectiveness of random preventive patrol.
2. Exploration of the advantages of crime-focused police operations. This project will test the feasibility of creating a crime-focused police unit in one or more cities. The research will specify how the functions of a department would have to be reshaped, and the implications of the new structure for municipal government services.
3. Study of how information is acquired and used by police investigators. The study, paralleling similar studies in England, Australia, Canada, and Holland, will look at the range of information sources tapped by police: informants, modus operandi analyses; and crime scene analysis, for example.
4. Defining directed patrol. In order to formulate an operational definition and description of a directed patrol, an assessment of directed patrol operations in several cities will be supported.
5. Admissible evidence. This project will attempt to isolate the types of evidence most helpful in solving crimes and obtaining convictions and identify methods for insuring that such evidence is properly collected and preserved.

6. Excessive/deadly use of force by police. This project will assess the incidence of excessive or deadly force and citizen complaints against police.
7. Synthesis of police management research. The following consists of forensic research which is administered by the Police Division.
8. Antisera for blood stain analysis. The project will evaluate and develop more reliable antisera.
9. Serology standards. Under this project, improved bloodstain analysis techniques will be taught to more than 100 serologists.
10. Forensic analysis of hair. This project will be to develop new immunological techniques for increasing the probability of accurately linking hair samples to individuals.
11. Forensic analysis certification program. This project will continue to establish standards for the performance of forensic science.
12. Management policies for forensics. This study will examine the entire forensics function, in order to develop a model for effective interaction between the forensic and criminal justice systems. In addition to the specific projects mentioned above, NILECJ sponsors an Unsolicited Research Program, to insure that creative approaches to criminal justice research issues are not overlooked. The following are types of research eligible for funding through the Unsolicited Research Program: small projects for which there are few alternative funding mechanisms; research emphasizing innovative approaches to criminal justice; basic interdisciplinary research relevant to criminal justice; research not currently identified as priority by the Institute; and exploratory studies in criminal justice (areas in which little previous work has been done).

COMMUNICATIONS ENGINEERING &
ELECTRONICS DIVISION PROGRAMS

The Communications Engineering and Electronics Division of the Department of Defense announces FY '79 and '80

program plans. During this time emphasis will be placed on understanding the basic principles of distributed system, including distributed processing and control, and on understanding quality factors in software. Because of strong interest in computer communication and digital transmission of data, attention will be given to communications-related computer system, particularly for direct communications between machines, e.g., sensor to display console communication, or for data base computers. Software research for distributed processing, programming languages and program testing verification will be pursued. Because of the high cost of software, progress in these areas of work has a very large potential payoff.

It is strongly suggested that the proposer make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the submission of a formal proposal. For the Computers and Information Processing program, contact Dr. Jimmie Suttle, Director, or Dr. Horst Wittman, Associate Director, Communication Engineering and Electronics Division, U.S. Army Research Office, P.O. Box 12211, Research Triangle Park, North Carolina, 27709. Or call (919) 549-0641, extension 240.

OFFICE OF RESEARCH PROGRAMS
PROGRAM PLANS

The Office of Research Programs,
Department of Justice, announces
program plans for FY '79. The

Adjudication Division plans to support work on the following topics. Each of these programs and projects will be published as a "Program Announcement" in the Federal Register.

I. Pretrial Process. In this area, the following research is proposed:

1. An analysis of court policies, practices and behavior that affect efficiency and fairness and a study of the role norms of key court personnel. This topic is actually a combination of two initially proposed topics. The first part of the program entails a systematic examination of key sets of variables that have been advanced as affecting case-processing and decision-making. The second part will examine how court functions are divided among court personnel, and what effect this has on the operation of the court.
2. Comparison of the negotiated and adversarial resolution of criminal cases. An examination of these two methods will focus on how they affect a case's outcome. Also, within the scope of this project is an attempt to develop new ways to resolve cases that combine aspects of both the negotiated and adversarial processes. The NILECJ expects to award one grant for research on this topic.
3. Court unification. An examination of empirical consequences of court unification. This study will examine whether a unified court system is better--more efficient and equitable--than a nonunified system. A single grant will be awarded.

II. Sentencing. The feasibility of comparing sentencing approaches. This study will try to determine whether it is possible to compare different sentencing approaches on an empirical basis. If so, a preliminary research design would be developed. It is expected that one grant will be awarded to conduct this study.

III. Other Adjudication Research. Conflict resolution procedures in criminal cases. In this study, the kind of disputes least amenable to formal adjudication will be examined. The study will examine the factors involved in such cases, and attempt to set criteria for deciding which disputes should remain within the formal court system, and which should be referred to alternative forums. One grant will be awarded to conduct this study.

ANTENNA SYSTEMS RESEARCH

The Communications Engineering and
Electronics Division, Department

of Defense, announce a program of antenna systems research. Areas of particular interest are: electrically small and conformal antennas, including the effects of mounting near complex structures and fundamental bandwidth limitations with application to missile, vehicular, manpack, and fuse use; research on dielectric and quasi-optical waveguiding techniques and antennas at frequencies of 95GHz and higher; research on the use of multi-fiber optics, to determine the fundamental limits of such fibers for various excitation schemes when mode coupling occurs, and on techniques to interface such fibers with integrated

optics so that optical signal processing can be employed with fiber optic cables; research to determine the limits of near-field techniques with emphasis on out-of-band performance of antenna systems with respect to electromagnetic capability; studies on phased array antennas; research addressing the fundamental limits of near-field measurements when there are errors in the data as would occur in actual field measurements.

It is strongly suggested that the proposer make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the submission of a formal proposal. For the Antennas and EM Detection Program, contact Dr. Jimmie Suttle, Director, or Dr. Horst Wittmann, Associate Director, Communications Engineering and Electronics Division, U.S. Army Research Office, P.O. Box 12211, Research Triangle Park, North Carolina 27709. Or call (919) 549-0641.

SIGNAL PROCESSING RESEARCH

The Communications Engineering and Electronics Division, Department of Defense, announces a program emphasizing signal processing research. The Army has the need to process and communicate large quantities of complex data in real-time and under adverse conditions such as occur in electronic warfare, night vision, radar, guidance and control, and target detection, recognition and tracking systems. One-dimensional digital signal processing has reached a level of maturity and does not warrant emphasis; however, fundamental research in multi-dimensional, adaptive, array, distributed, and nonlinear signal processing is being emphasized. Electro-optic, acoustic, optical, and multi-dimensional digital techniques are included. Improvement in "throughput" processing speed, time-bandwidth product, accuracy, quantification error and dynamic range are important considerations. Army communications networks will be extensive and complex in order to maintain control of the rapidly developing battle.

Adaptive communications techniques are important to improve efficient use of available spectrum in a multi-signal, multi-path communication environment. Interference resistant and covert communications technology needs to be improved for systems such as spread-spectrum, antenna null steering, and bandwidth compression. Research to improve routing, switching, and control of Army communications networks is also emphasized.

It is strongly suggested that a proposer make initial, informal contact, and perhaps even submit a brief informal note describing the proposals prior to the submission of a formal proposal. For this program, contact: Dr. Jimmie Suttle, Director, or Dr. Horst Wittman, Associate Director, Communications Engineering and Electronics Division, U.S. Army Research Office, P.O. Box 12211, Research Triangle Park, North Carolina 27709. Or call (919) 549-0641, extension 241.

CIRCUITS, NETWORKS, & RELATED SYSTEMS PROGRAM

The Communications Engineering and Electronics Division, Department of Defense, announces a program in

Circuits, Networks and Related Systems. Research areas include: research in integrated circuit process modelling; research in computer aided simulation, analysis and testing; integrated circuits which incorporate new devices and technology such as charge coupled devices and metal oxide semiconductor devices are emphasized. A special need exists for research in high speed, high frequency, and optical circuits for communications and processing. Support is provided for circuit design theory and novel circuit configurations. Of special interest are frequency synthesizers and voltage controlled oscillators with the following characteristics: broad tuning range, high degree of coherence, high speed, and high frequency. Emphasis is placed on research to obtain high-frequency amplifiers including broad-band, high-power and high efficiency capabilities. Circuits for spread spectrum/multiple access communications and fast, high-resolution, wide-band spectral analysis are part of this program. These circuits are essential to the development of interference resistant communications systems. Incorporation of electro-optical, acoustico-optical, surface and bulk acoustic wave, and charge-coupled device technology in circuit research is encouraged. Research will also be emphasized for novel designs of functional circuits such as multipliers, adders, shift registers and memory with emphasis on improved speed and accuracy and multidimensional, distributed and parallel processing.

It is strongly suggested that the proposer make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the submission of a formal proposal. For this program, contact: Dr. Jimmie Suttle, Director, or Dr. Horst Wittman, Associate Director, Communications Engineering and Electronics Division, U.S. Army Research Office, P.O. Box 12211, Research Triangle Park, North Carolina 27709. Or call (919) 549-0641, extension 241.

MATHEMATICS DIVISION PROGRAMS

The Mathematics Division, Department of Defense, announces three research

programs. Nonlinear Analysis: The leading area of concentration in FY '79 will continue to be the mathematical analysis of nonlinear systems. The major thrust in this area is on the solution of time-dependent (unsteady) problems. The interest is not only on the development of numerical procedures that take into account the strength and limitations of existing computers, but analytical studies and sound analyses of the complexities of these algorithms.

System Theory: The research program on stochastic systems is directed towards better understanding and solution of such problems as nonlinear filtering and control, models of target motion, signature models, estimation and prediction algorithms for gunfire and missiles, propagation in random media, fault detection, stochastic optimization and command, control and communications.

Statistical Models: It is imperative to the Army to develop statistical methods which maintain high statistical precision but do not require stringent physical assumptions about the data. Considerable interest exists in the the development of a unified theory of modelling. Specific stress here is on modelling techniques, war-gaming, simulation theory, sensitivity analysis of large-scale models and model validation. The reliability of weapons systems is also of great interest. Multi-variate statistical techniques need to be developed to handle the evaluation of data resulting from accelerated life testing techniques.

It is strongly suggested that a proposer make initial, informal contact, and perhaps even submit a brief informal note describing the proposal prior to the submission of a formal proposal. For this program, contact: Dr. J. Chandra, Director, or Dr. Paul Boggs, Associate Director, Mathematics Division, U.S. Army Research Office, P. O. Box 12211, Research Triangle Park, North Carolina 27709. Or call (919) 549-0641, extension 253 or 254.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS Listed below are some, but not all, agency deadlines occurring within the next few months. All grant applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

- Research Grants, new July 1
- Research Grants, renewals. June 1
- NIDR, Research on Sweeteners and Dental Caries July 1
- NIA, The Culture Fibroblas-like Cell: The In Vivo Precursor Cell Types and the Post-proliferative Characterization July 1
- NIA, Nutrition in Relation to Health of the Aged and Aging Process. July 1
- NIA, Pharmacology Program. July 1
- NIA, Aging and Bereavement July 1
- NIA, Aging and Retirement. July 1
- NIA, Basic Aging Program July 1
- NEY, Research Grants, Hydrodynamics of the Eye July 1
- NEY, Research Grants, Immunological Aspects of Ocular Disease July 1
- NEY, Research Grants, Secondary Glaucomas. July 1
- NINCDS, Research Grants, Field of Local Neuronal Interactions July 1
- NCI, Diet, Nutrition, and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation, and Training: Research Proposals July 1

National Institutes of Health (cont.)	
Individual Postdoctoral Fellowships.	July 1
Institutional Training Grants.	July 1
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NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	July 1
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NIAMDD, Research Interests in Endocrinology.	July 1
NIAMDD, Research Interests in Arthritis.	July 1
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NINCDS, Field of Chronic Pain.	July 1
NIAMD, New Investigator Awards in Diabetes	July 1
NIGMS, Research Centers and Program Projects	July 1
NHLBI/NIAMD, Special Emphasis Research Cancer Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1

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NEY, Research on Macular Disease	July 1
NIAID, RFA: Legionnaires' Disease	July 1
NHLBI, RFA: Studies on the Effects of Hypertension and Vasoactive Agents on the Vasculature (Letter of Intent by 1/12/79--not a requirement)	April 6
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NIEHS, Academic Investigator Award--Toxicology	June 1
NIAID, RFA: Mechanisms of Immunologic Disease	June 1
NEY, Management of Severe Visual Impairment.	July 1
NHLBI, Studies on Endothelium in Relation to Atherogenesis.	July 1
NHLBI, RFA: The Development of an Intravascular System for Assaying Characteristics of Sickle Erythrocytes.	April 2
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis.	July 1
NIEHS, Individual Postdoctoral Fellowships	June 1
NIGMS, Shared Instrumentation Program.	March 15
Alcohol, Drug Abuse and Mental Health Administration	
ADAMHA, Research Scientist Development Award, Type I and Type II.	June 1
ADAMHA, Research Scientists Award.	June 1
National Center for Health Services	
Grants for Research on Quality and Economy of Drug Prescribing	April 1
National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal (Preliminary).	April 16
Small Grant.	April 16
Teaching and Learning Research Grants.	April 16
Unsolicited Proposals.	April 1
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"Examining the Varieties of Liberal Education" (Revised Deadline).	May 21
U.S. Office of Education	
Media Research, Production, Distribution and Training Grant Program (Revised Deadline).	March 19
Handicapped Research and Demonstration, Student Research, Second Cycle	March 16
Community Service and Continuing Education--Special Projects Program (New)	April 6
Institute of Museum Service Grants	March 9
Environmental Education Program.	April 16
Teacher Corps Program '78 (Continuations Only)	April 2

Health Resources Administration	
Nursing Special Project Grants	July 1
Curriculum Development Grants,	April 23
Nursing Research Program Grants.	July 1
Health Services Administration	
Project Grants for Home Health Services.	June 1
Maternal and Child Health Project Grants	March 16
Sudden Infant Death Syndrome Project Grants.	April 16

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National Science Foundation

Development in Science Education (DISE)-- <u>Formal Proposals</u> with the earliest starting date of 9/1/79.	April
Ethics and Values in Science and Technology (EVIST)-- <u>Formal Proposals</u> with the earliest starting date of 10/1/79	April 1
Public Understanding of Science (PUOS) Program-- <u>Formal</u> <u>Proposals</u> with the earliest starting date of 10/1/79	April 1
U.S.-Australia Cooperative Science Program (for seminars/workshops with starting dates between 1/1/80 and 6/30/80).	April 1
U.S.-New Zealand Cooperative Science Program (for long-term visits with starting dates between 12/1/79 and 5/31/80).	April 1
Unsolicited Research Proposals for the Division of Applied Research--Sections include: Applied Social and Behavioral Sciences; and Applied Physical, Mathematical, and Biological Sciences and Engineering.	April 1
Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Proposed starting date is 10/1/79)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	April 30
Ethics and Values in Science and Technology (EVIST)-- <u>Preliminary Proposals</u> with earliest starting date of 2/1/80	May 1
Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: 11/1/79)	May 1
Unsolicited Research Proposals for the Division of Earth Sciences (Proposed starting dates are January/February 1980)--Programs include: Geochemistry, Geology, and Geophysics	May 15
Scientists and Engineers in Economic Development (SEED) Program	June 1
U.S.-Antarctic Research Program (for research in Antarctica during the 1980-81 austral summer (September 1980 through March 1981) and extending through the southern hemisphere winter of 1980; for research or data analysis in the U.S. to commence approximately January 1, 1980)	June 1
U.S.-Latin America Cooperative Science Program (Proposed starting date is 1/1/80)	June 1

- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed starting date is 10/1/79)--Areas of research include: Environment Energy and Resources, Innovation Processes and their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment. June 1
- U.S.-France Cooperative Research Program June 30
- Oceanographic Facilities and Support (OFS)--For Calendar Year 1980 operations. July 1
- U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: March 1980). July 1
- Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed starting dates are January/February 1980)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology July 1
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed starting dates are January/February 1980)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology. July 2
- Science for Citizens (SFC) Forums, Conferences, Workshops and Planning Studies--Preliminary Proposals with earliest starting date of 3/15/80 July 15
- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed starting dates are January/February 1980)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. . . . July 31

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

- American Cancer Society
Research and Clinical Investigation. April 1
- Burroughs-Wellcome Fund
Visiting Professorships in Basic Medical Sciences. May 1
- Epilepsy Foundation of America
Fellowships in Vocational Rehabilitation April 1
- Francis (Parker B.) Foundation
Fellowships in Pulmonary Research (previously June deadline). September 15
- IREX
Travel Grants for Senior Scholars. March 31 &
May 31
- Grants for Collaborative Activities and New Exchanges, March 31 &
May 31

Mellon Foundation (at St. Louis University)	June 1
Minnesota Humanities Commission.	May 15
*Minnesota Medical Foundation	
Small Grant Medical Research Program	March 31 & June 30
Morris Animal Foundation	April 15
Noyes (J.S.) Foundation Scholarships and Fellowships (quarterly deadline)	June 1
Spenser Foundation	
Behavioral Sciences and Education Projects	No deadline
United Cerebral Palsy Research and Educational Foundation	
Research Grants.	April 15
Fellowships.	No deadline

*It is necessary to process these applications in the normal manner. This includes the B.A. 23 form, human subjects information, and proper signatures obtained before submission.

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORADDC Newsletter

Published Jointly by the Office of Research Administration and the Research Development Center

April, 1979

Volume VIII/No. 10

REVISED PUBLICATION--NIH PRIMATE RESEARCH CENTERS: A MAJOR SCIENTIFIC RESOURCE

The publication, NIH Primate Research Centers: A Major Scientific Resource, has been totally revised and is available free from the Division

of Research Resources, National Institutes of Health. A single free copy of this publication can be secured by writing to: Office of Science and Health Reports, Division of Research Resources, National Institutes of Health, Bethesda, Maryland 20014.

ADAMHA SMALL GRANT PROGRAM

ADAMHA (Alcohol, Drug Abuse and Mental Health Administration) announces

an increase in the direct cost limit for Small Grant Program applications to \$10,000. Support is limited to a one year period and is not renewable. This announcement is applicable to grants beginning after October 1, 1979.

The ADAMHA Small Grant Program provides relatively rapid financial support which is principally intended for newer, less experienced investigators who do not have regular research grant support or resources available from their institutions. Small grants may be used to carry out exploratory or pilot studies, to develop and test a new technique or method or to analyze data previously collected.

Small grant applications may be submitted at any time and without regard to the receipt dates that pertain to the regular research grant program. However, applications requesting early summer (June) starting dates must be received no later than December 1; applications with July and August starting dates must be received no later than February 1. For additional information and application materials, call 373-5925.

MAY 1 IS THE NEXT CYCLE FOR EVIST PRELIMINARY PROPOSALS

The Ethics and Values in Science and Technology (EVIST) Program is interested in disciplinary and multidisciplinary

research (case studies included), workshops of national scope, conferences and workshops, experimental workshops and other types of projects, projects of national scope, colloquia, and projects which lay a foundation for significant future work which will examine:

- Issues in the education and professional conduct of scientists and engineers;
- Issues of obligations and constraints associated with institutions and organizations;

- Issues associated with new developments in science and technology;
- Effects of changing ethical and social values and expectations upon scientific priorities and upon the conduct of scientific and technological activities; and
- Ethical issues and value assumptions in decisionmaking processes involving science and technology.

Proposed starting date is February 1, 1980. Complete guidelines for the submission of both preliminary and formal proposals can be obtained by calling Judy Krzyzek, Office of Research Administration, at 373-2784.

NIH REQUESTS FOR PROPOSALS

The following Requests for Proposals (RFP) have been issued by the National Institutes of Health.

<u>RFP Due Date</u>	<u>Reference #/Title</u>	<u>Address</u>
Open	N01-CN-95442-25 Identification of Effective Cancer Control Promotion Approaches Directed to the General Public	Mr. James E. Prather Contract Specialist NCI, Research Contracts Branch Blair Bldg., Room 224 Bethesda, Maryland 20205
May 22, 1979	NIH-NINCDS-79-09 Evaluation of the Outcome of Preschool Impairments in Language Development	Obtain copy from Office of Research Administration (373-5925)
May 24, 1979	NIH-NINCDS-79-10 Methods for Studying Phonatory and Articulatory Control in Young Children Who Stutter	Obtain copy from Office of Research Administration (373-5925)

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

The Office of International Programs (OIP) has information on fellowship and grant programs which support international activities and deadline dates. For further information, please contact OIP at 373-3793.

MAY 1 TARGET DATE FOR UNSOLICITED RESEARCH PROPOSALS FOR THE CLIMATE DYNAMICS PROGRAM

May 1, 1979 is the next target date for the receipt of unsolicited research proposals for the Climate Dynamics Program. For complete proposal submission guidelines, call Judy Krzyzek, Office of Research Administration, at 373-2784. Research dates include:

--continued--

Research Area
Climate Modeling
and Simulation

FY 1979 Scope and Objectives

Development of a spectrum of climate models, their validation from data sets, and their use as diagnostic tools to isolate important physical mechanisms governing climate. Models of such mechanisms as the generation of eddies in the atmosphere and ocean, the vertical transport of heat and momentum by clouds, and feedbacks on a global scale involving clouds and radiation.

Climate
Modification
and Assessment

Dynamical mechanisms involved in changes in climate due to human activities; simple models for determining the sensitivity of the climate to human activities; questions that deal with the agricultural, ecological, socio-economic, and political impacts of climate and climate change.

Modern Climate
Data Assembly
and Analysis

Documentation of the natural fluctuations of climate on a global scale over historic to modern times using ground and marine stations, satellite and upper-air soundings, ice cores, and historic data sources.

Paleoclimate Data
Assembly and
Analysis

Reconstruction of past climates as a means of evaluating the rate, magnitude, and frequency of climatic change. The primary sources of such data include tree rings, fossils preserved in lakes and bogs, and the deep-sea records of fossil plants and animals.

PARENTERAL DRUG ASSOCIATION

The following awards and grants are offered by the Parenteral Drug Association.

(1) Research Achievement Award in recognition of an individual's overall contributions to the advancement of science and technology in parenteral medications. Fields of research include pharmaceuticals, microbiology, biology, clinical medicine, quality control, manufacturing, engineering or other appropriate disciplines related to sterile medications.
Award: \$3,000; Deadline: June 1, 1979.

(2) Grants for stimulation of research in the area of and/or related to parenteral medications. Fields of research include pharmaceuticals, microbiology, biology, medicinal chemistry, clinical medicine, quality control, clinical pharmacology, manufacturing, engineering or other appropriate disciplines related to parenteral medication. Grant: up to \$7,500/year; Deadline: July 1, 1979.

(3) Schaufus Parenteral Technology Award for the best publication emanating from academia, government or industry in the area of parenteral and/or related sciences and technology during the previous year worldwide. Fields of research and technology include pharmaceuticals, microbiology, biology, clinical medicine, quality control, manufacturing engineering, or other appropriate disciplines related to sterile medication.
Award: \$1,000; Deadline: July 1, 1979.

Further information and application forms are available from Solomon C. Pflag, Executive Director, Parenteral Drug Association, Inc., Western Savings Bank Building, Broad and Chestnut Streets, Philadelphia, Pennsylvania 19107.

AID HEALTH RESEARCH PROGRAM

The Health Research Program, administered by the Agency for International Development (AID), Department of State, supports disciplines in the social sciences, environmental sciences, tropical disease control, operational communications, health education, resources planning, economics, statistics, manpower development, family planning, and community development. Applicants should obtain AID publication entitled "Contract Program in Centrally Funded Research," available from the Department of State, Agency for International Development, Washington, D.C. 20523. Eligibility includes any university, research foundation, or other public or private, profit or non-profit organization.

The Agency looks primarily to unsolicited proposals to implement the contract research program. Informal inquiries as well as preliminary, informal proposals are suggested, and should be addressed to Miroslav Rechcigl, Chief, Research and Methodology Division, Room 214e RPC, AID, Department of State, Washington, D.C. 20523; telephone (703) 235-1011.

**ELECTRON MICROSCOPY
SMALL GRANTS PROGRAM**

The Space Science Center announces the availability of a small grants program to support faculty-graduate research use of the electron microscopy facilities in the the Electron Microscopy Center. Funds for this program were provided by the Graduate School to support research where funds are otherwise not available for electron microscopy usage. Applications received from any University applicant will be judged on the basis of scientific merit. Applications from graduate students will require the endorsement of their adviser.

Information about the instruments can be obtained from Beth Davidian, 444 Space Science Center, 373-9816. Application forms may be obtained from the Office of the Director of the Space Science Center and returned to: William G. Shepherd, Director, 103 Space Science Center.

**AID: EDUCATION & HUMAN
RESOURCE DEVELOPMENT PROGRAM**

The Education and Human Resource Development Program, administered by the Agency for International Development (AID), Department of State, supports disciplines in psychology (cognitive gain analysis), economics (cost-saving studies),

adult education, media instruction, manpower analysis/development, health and nutrition, communication technology, political science, and agricultural sciences. Eligible to apply for the program are any university, research foundation, or other public or private, profit or non-profit organization. Applicants should obtain AID publication entitled "Contract Program in Centrally Funded Research," available from the Department of State, AID, Washington, D.C. 20523.

**NILECJ: COMMUNITY CRIME
PREVENTION RESEARCH PROGRAM**

The National Institute of Law
Enforcement and Criminal Justice
(NILECJ) supports a program in

Community Crime Prevention Research. Disciplines included are law, sociology, psychology, and urban geography; and eligible to apply are public agencies, institutions of higher education, private organizations, and qualified individuals.

To obtain a copy of the NILECJ "Program Plans" or to be entered on the NILECJ mailing list for all information (including Program Announcements, by which means the Institute solicits grant applications), write to the National Institute of Law Enforcement and Criminal Justice, 633 Independence Av., N.W., Washington, D.C. 20531, Attn: Bill Heenan. For additional information on the Unsolicited Research Program, write to the Director, Office of Research Programs, NILECJ, LEAA, Washington, D.C. 20531.

RESEARCH IN ENGINEERING SCIENCES The total research effort in the
Engineering Sciences Division
is designed to contribute to the future technology base from which significant improvements in U.S. Army mobility, firepower, and service support can be made. The program is organized into three parts:

Solid Mechanics: Mechanics of Solids; Structural Mechanics and Dynamic Loading; Fatigue and Fracture; Shock, Vibration and Wave Propagation; Surface Mechanics; Mechanics of Composites; Kinematics and Mechanisms; Experimental Methods; Rotor Dynamics.

Fluid Mechanics: Rotorcraft Aerodynamics and Acoustics; Ballistics of Gun Launched Projectiles; Missile/Rocket Aerodynamics; Fluidics; Liquids.

Power Generation: Engine and Fuel Generation; Chemical Lasers; Propellants.

It is strongly recommended that the proposer make initial, informal contract, and perhaps even submit a brief informal note describing the proposal, prior to the submission of a formal proposal. For this program, contact: Mr. James Murray, Director, Engineering Division, U.S. Army Office, P.O. Box 12211, Research Triangle Park, North Carolina 27709. Or call (919) 549-0641, ext. 250.

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National Institutes of Health (continued)	
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National Science Foundation (continued)

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U.S.-Latin America Cooperative Science Program (Proposed starting date is 1/1/80)	June 1
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U.S.-France Cooperative Research Program	June 30
Oceanographic Facilities and Support (OFS)--For Calendar Year 1980 operations.	July 1
U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: March 1980).	July 1
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed starting dates are January/February 1980)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology	July 1
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed starting dates are January/February 1980)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology.	July 2
Science for Citizens (SFC) Forums, Conferences, Workshops and Planning Studies-- <u>Preliminary Proposals</u> with earliest starting date of 3/15/80	July 15
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed starting dates are January/February 1980)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology.	July 31
Ethics and Values in Science and Technology (EVIST)-- <u>Formal Proposals</u> with the earliest starting date of February 1, 1980.	August 1

National Science Foundation (continued)

- Public Understanding of Science (PUOS) Program--Formal
Proposals with the earliest starting date of Feb. 1, 1980, August 1
(Project Solicitation) Mathematical Sciences
Research Institute August 1
Unsolicited Research Proposals for the Climate Dynamics
Program (Announcement of Awards: Feb. 1, 1980). August 1
Unsolicited Research Proposals for the Oceanography Section
of the Division of Ocean Sciences (Proposed Starting
Date: January 1980)--Programs include: Biological
Oceanography, Marine Chemistry, Physical Oceanography,
and Submarine Geology and Geophysics August 15
U.S.-Japan Cooperative Science Program (for visits
to begin between 9/1/80 and 8/31/81) August 31

PRIVATE

Questions regarding the following deadlines should be referred to ORA
at 373-0773:

- American Heart Association
British American Research Fellowships. July 1
Established Investigatorships. July 1
Burroughs-Wellcome Fund
Visiting Professorships in Basic Medical Sciences. May 1
Deafness Research Foundation July 15
Epilepsy Foundation of America
Fellowships in Vocational Rehabilitation April 1
IREX (all with exchange countries)
Travel Grants for Senior Scholars. May 31
Mellon Foundation at St. Louis University. June 1
Minnesota Humanities Commission. May 15
Minnesota Medical Foundation June 30
The National Foundation--March of Dimes
Social and Behavioral Sciences Research Program--abstract
of objectives due before May 1
Noyes (J.S.) Foundation
Scholarships and Fellowships June 1
Whitehall Foundation
Agricultural Economics and Biology No deadline

Deadline Information for Private Agencies: The Office of Research
Administration surveys annually all foundations and associations from
which we have or could receive grants in order to obtain current deadline
and program information. Unfortunately, some agencies insist that
their information be sent only to what they believe are the appropriate
departments or collegiate units, or insist that potential grantees request
information prior to submitting each application. In the past, some agencies
have changed program guidelines or deadline dates without notice.

ORA will continue to make every effort to obtain current information.
However, when it is not possible to obtain information or when that
information has not arrived, we will not publish information which

could be incorrect. Faculty are therefore advised that the list of private deadlines is not represented as being complete and they should make preliminary inquiries to ORA or directly to the agency. The making of such inquiries, of course, does not remove the requirement for all formal proposal materials to be routed through the normal B.A. 23 process.

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORA RDC Newsletter

Published Jointly by the Office of Research Administration and the Research Development Center

May, 1979

Volume VIII/No. 11

POSTAL DELAYS REQUIRE EARLIER PROPOSAL SUBMISSION TO ORA

We have recently experienced problems with the U.S. Postal Service in delivering proposals to various sponsoring agencies in a timely manner. Usually proposals are transmitted using Air Mail. The Postal Service informs us that this method of mailing will normally take no more than three days (e.g., from Minneapolis to Washington, D.C.). Proposals received in the Office of Research Administration two to three days prior to a sponsoring agency's deadline are submitted by Express Mail. This service guarantees the mailing will be delivered to the addressee by 3 p.m. the following day. Nevertheless, there have been instances in which proposals transmitted by these methods have not been received by the sponsoring agency by the established deadline. Therefore, investigators should plan the preparation of their applications with sufficient lead time to allow for review and submission by the Office of Research Administration to meet the sponsoring agency's deadline.

THE CENTER FOR FIELD RESEARCH ANNOUNCES RFP

Information related to possible support from the Center for Field Research for investigators in a variety of fields was disseminated to Deans and Provosts in a memo of March 23, 1979, from Vice President Henry Koffler.

Interested faculty in need of funds and volunteers to support their field research investigations should contact The Center for Field Research in Belmont, Massachusetts. This private, non-profit organization has raised over \$2 million to support over 35 research expeditions in 25 states and 48 countries. The funds and field staff to assist Principal Investigators are raised through private subscription, i.e., interested citizens who have the time and talent to help scientific investigation and who are willing to make a contribution to project costs.

Working in cooperation with EARTH-WATCH, a national volunteer organization, The Center subsidizes over 65 expeditions annually in the following disciplines: anthropology, archaeology, art history, astronomy, biology, botany, cartography, conservation, ethology, folklore, geography, geology, historic preservation, marine sciences, medicine, meteorology, musicology, ornithology, public health, sociology, zoology.

(continued)

Preliminary proposals of two pages should cite research objectives, project dates, and the need for funds and volunteers. After favorable review of the preliminary proposal, Center staff will invite a formal proposal, which must precede field work by nine months.

Formal proposal deadlines are: May 15 and October 1. Preliminary proposals should be sent to: Elizabeth E. Caney, Director of Research, The Center for Field Research, 10 Juniper Road, Box 127-E, Belmont, Massachusetts 02178. Or call (617) 489-3032 for further information.

NEW STAFF MEMBER JOINS ORA Ms. Marilyn Surbey has joined the Office of Research Administration staff. She is responsible for the supervision of financial reporting for all sponsored projects. You may contact her at 376-8165.

ELECTRON MICROSCOPY
SMALL GRANTS PROGRAM

The Space Science Center announces the availability of a small grant program to support faculty-graduate research use of the electron microscopy facilities in the Electron Microscopy Center. Funds for this program were provided by the Graduate School to support research where funds are otherwise not available for electron microscopy usage. Applications received from any University applicant will be judged on the basis of scientific merit. Applications from graduate students will require the endorsement of their adviser.

Information about the instruments can be obtained from Beth Davidian, 444 Space Science Center, 373-9816. Application forms may be obtained from the Office of the Director of the Space Science Center and returned to: William G. Shepherd, Director, 103 Space Science Center.

REQUIRED FORMS FOR NSF
RESEARCH PROPOSALS

All unsolicited NSF research proposals require the same NSF forms. These are provided in NSF 78-41, "Grants for Scientific Research," and may be duplicated at your discretion.

Cover Page (Appendix I)
Project Summary, NSF Form 4 (Appendix II)
Summary Proposal Budget, NSF Form 1030 (Appendix III)

In addition, the suggested format for the proposal section Current and Pending Supportis located in Appendix IV.

MAY 15 TARGET DATE FOR
UNSOLICITED RESEARCH PROPOSALS
IN EARTH SCIENCES

May 15, 1979 is the next target date for receipt of unsolicited research proposals for the Division of Earth Sciences. Proposed

starting dates are January/February 1980. For complete proposal submission guidelines, refer to page C-26 in the Directory (target date of June 15 is in error) and NSF 78-41A, Grants for Scientific Research. Program objectives include:

Program

FY 1979 Scope and Objectives

Geochemistry

The composition, age, and origin of rocks and minerals and the causative processes; source and conditions of deep-seated volcanism and the processes involved in the transportation and segregation of chemical elements in the earth's crust; geochemistry. (Contact: Alan M. Gaines, Associate Program Director, (202) 634-4348).

Geology

Field and laboratory research into the nature of the earth, its physical and biologic history, and the modern processes that alter its surface; testing of the validity of plate tectonics; general structural studies of the interiors and margins of continents. (Contact: John F. Lance, Program Director, (202) 632-4218).

Geophysics

Physical state and properties of the earth. Sub-fields covered are seismology, gravity, geodesy, rock magnetism, terrestrial currents, heat flow, and high pressure phenomena. (Contact: Roy E. Hanson, Program Director, (202) 632-4219).

PRELIMINARY PROPOSAL FOR PUBLIC
UNDERSTANDING OF SCIENCE (PUOS)
DUE JUNE 1, 1979

The Public Understanding of Science (PUOS) program seeks to improve the scope, quality, and quantity of communication

between scientists and nonscientists, and to facilitate and improve the processes of public communication about science. To achieve these objectives, proposals are encouraged with the following characteristics: high cost effectiveness; effective communication to a substantial and significant audience; importance that goes beyond specialized or parochial interests, either in the scope of the proposal itself or in its potential transferability and extension to larger purposes; target audiences that are not effectively reached by existing information education program; and, use of innovative modes of communications. Complete guidelines are found on page B-7 in the Directory, in program brochure SE 79-60, and by contacting: George W. Tressel, Program Director, Public Understanding of Science Program, Office of Science and Society, National Science Foundation, Washington, D.C. 20550. Or call (202) 282-7770. Formal proposal date is August 1, 1979; earliest starting date is February 1, 1980.

SEED PROPOSALS DUE JUNE 1

The Scientists and Engineers in Economic Development (SEED) Program invites the submission of proposals for Research/Training Grants to start in January or February 1980. Your attention is directed toward the A.I.D. list of eligible underdeveloped countries. In addition, Brazil, Ecuador, Kenya, Korea, and Turkey have been added to the list. The SEED Program enables U.S. scientists and engineers to share experiences with their counterparts in A.I.D.-approved countries through the conduct of specific research and education projects contributing to the economic development of the host country. Copies of the program brochure, NSF 77-8, and the supplement, Guidelines for the Preparation and Submission of SEED Proposals, are available from: Scientists and Engineers in Economic Development Programs, Africa and Asia Section, Division of International Program, National Science Foundation, Washington, D.C. 20550. Or call Larry Tieszen, Program Associate, at (202) 632-4342.

PROGRAM PLANS AVAILABLE
FROM NILECJ

To obtain a copy of the National Institute of Law Enforcement and Criminal Justice (NILECJ) "Program Plans" or to be entered on the NILECJ mailing list for all information (including Program Announcements, by which means the Institute solicits grant applicants), write to the National Institute of Law Enforcement and Criminal Justice, 633 Independence Av., N.W., Washington, D.C. 20531, Attention: Bill Heenan. For additional information on the Unsolicited Research Program, write to the Director, Office of Research Programs, NILECJ, Law Enforcement Assistance Administration, Washington, D.C. 20531.

The NILECJ supports disciplines in sociology, operations science, political science, law, econometrics and psychology. Proposals may be sent in response to program announcements in the Federal Register. Unsolicited proposals on topics relevant to this program should nonetheless be sent to the Unsolicited Research Program, Office of Research Programs, NILECJ, LEAA, 633 Indiana Av., N.W., Washington, D.C. 20531. Please note that the program's application process is changing: In the future, announcements will require full proposals instead of concept papers.

RESEARCH & DEVELOPMENT
COMMAND PROGRAM GUIDELINES

The Research and Development Command (Darcom) Program, administered through the U.S. Army Institute for the Behavioral and Social Sciences, supports disciplines in psychology, computer science, systems engineering, education, statistics and mathematics.

(continued)

In order to obtain information which outlines completely the guidelines of the this program, the following two publications should be obtained: (1) "Research Themes and Technology Base Program in Behavioral and Social Sciences for the U.S. Army." It is available from Dr. R. M. Sasmore, 5001 Eisenhower Av., Alexandria, Virginia 22333; (2) "A.R.I. Personnel, Performance and Training Program: Part I: (6-2) Exploratory Development; Part II (6-3) Advanced Development." It is available from Dr. Arthur Drucker, Chief of plans and Programs, 5001 Eisenhower Av., Alexandria, Virginia 22333.

Formal solicitation within the program is accomplished through the issuing of RFPs. Additionally, informal inquiries about the program are accepted and such inquiries are encouraged by program officers. On the other hand, it should be pointed out that informal proposals will not be accepted by program officials. Informal inquiries (made by both letter and telephone) should be addressed to Dr. Frank Harris, 5001 Eisenhower Av., Alexandria, Virginia 22333.

INDIVIDUAL TRAINING AND
PERFORMANCE RESEARCH
LABORATORY--APPLICATION PROCESS

The Individual Training and
Research Laboratory, a division
of the U.S. Army Research
Institute for Behavioral and

Social Sciences, supports disciplines in learning, testing, skills training, criterion referenced training, aptitude testing, and organizational effectiveness procedures. Applications are generally in response to RFPs. There is no bidders list. Unsolicited proposals are considered and informal inquiries by both letter and telephone are encouraged. There is no standard form for an unsolicited proposal, but the proposal should be detailed enough so that program officers can determine the various costs and overall time that would be required in the proposed project. Inquiries and unsolicited proposals should be sent or made to: Dr. E. R. Dusek, Director of the Individual Training and Performance Research Laboratory, 5501 Eisenhower Av., Alexandria, Virginia 22333.

DOT'S BUREAU OF RECLAMATION
SUPPORTS CONSERVATION RESEARCH

The Bureau of Reclamation of the U.S.
Department of the Interior supports
disciplines in environmental science,
mathematics, computer science, engineering, economics, ecology,
sociology, geology, biology, botany, and hydrology. Research is con-
ducted to support the Bureau's mission of providing for the conservation,
development, and use of water and related land resources of the West.

The Commerce Business Daily publishes RFPs whenever the Bureau finds a need for directed research. These RFPs are also sent to those firms and universities on the program's mailing list. Anyone wishing to be placed on this mailing list may write: Assistant Commissioner for Engineering and Research, Bureau of Reclamation, Engineering and Research Center, P.O. Box 15007, Denver Federal Center, Denver, Colorado 80225.

ATMOSPHERIC WATER RESOURCES
MANAGEMENT PROGRAM SEEKS
PROPOSALS

The Atmospheric Water Resources Management Program--"Project Skywater"--represents a comprehensive effort to develop and

verify cloud seeding techniques which can be utilized to augment water supplies, particularly in water-short areas of the nation. The program supports disciplines in environmental science, forestry, biology, economics, mathematics/computer science, ecology, physics, hydrology, social sciences, engineering, agronomy, meteorology, and law.

Proposals should be sent to: Assistance Commissioner for Engineering and Research, Bureau of Reclamation, Engineering and Research Center, Denver, Colorado 80225. Informal contacts with Dr. Archie M. Kahan of the Office of Atmospheric Resources Management are also encouraged.

UNITED STATES GEOLOGICAL
PROGRAM SEEKS PROPOSALS

The United States Geological Survey of the Department of the Interior supports disciplines

in geology, mineral economics, computer science, statistics, and mathematics. The program seeks to utilize computer technology for the development of techniques of assessing mineral deposits as well as for new methods of detecting undiscovered mineral deposits.

Proposals should be sent to: Allen L. Meyer, U.S. Geological Survey, National Center (750), Room 3B400, Mail Stop #920, Reston, Virginia 22092. Informal contact with the program chief is encouraged.

FISHERY RESEARCH PROGRAM

The Fishery Research Program supports the general fishery

management activities of the Fish and Wildlife Service, including fish culture, fishery management, and fish control. Disciplines supported are fish biology, immunology, nutrition, genetics, animal husbandry, microbiology, chemistry, and ecology. Proposals should be sent to: Division of Fishery Ecology Research, Fish and Wildlife Service, Department of the Interior, Washington, D.C. 20240.

FISH AND WILDLIFE SERVICE PROGRAM

The Fish and Wildlife Service Program of the Department of

the Interior seeks to develop technologies and procedures to more efficiently manage and restore populations of listed endangered species in the United States. Disciplines supported are animal biology and ecology. Proposals should be sent to: Associate Director for Federal Assistance, Fish and Wildlife Service, Department of the Interior, Washington, D.C. 20240. Informal contacts with the program officer are encouraged.

ANIMAL DAMAGE CONTROL PROGRAM

The Animal Damage Control Program of the Department of the Interior has dual objectives: to develop technologies to reduce damage caused by wildlife to humankind's interests, and to develop environmentally sound damage control techniques in order to minimize potential damage caused by animal control methods. Disciplines supported are public health, wildlife biology, animal husbandry, and agriculture. Proposals should be sent to: Division of Wildlife Resources, Fish and Wildlife Service, U.S. Department of the Interior, Matomic Building, 1717 'H' Street, N.W., Washington, D.C. 20240. Informal contacts with the program manager are also encouraged.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

- Research Grants, new July 1
- Research Grants, renewals. June 1
- NIDR, Research on Sweeteners and Dental Caries July 1
- NIA, The Culture Fibroblas-like Cell: The In Vivo Precursor Cell Types and the Post-proliferative Characterization July 1
- NIA, Nutrition in Relation to Health of the Aged and Aging Process. July 1
- NIA, Pharmacology Program. July 1
- NIA, Aging and Bereavement July 1
- NIA, Aging and Retirement. July 1
- NIA, Basic Aging Program July 1
- NEY, Research Grants, Hydrodynamics of the Eye July 1
- NEY, Research Grants, Immunological Aspects of Ocular Disease July 1
- NEY, Research Grants, Secondary Glaucomas. July 1
- NINCDS, Research Grants, Field of Local Neuronal Interactions July 1
- NCI, Diet, Nutrition, and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation, and Training:
 - Research Proposals July 1
 - Individual Postdoctoral Fellowships. July 1
 - Institutional Training Grants. July 1
 - Research Career Development Awards July 1

National Institutes of Health (continued)

NIA, Clinical Investigator Award, Extramural and Collaborative Research Program	June 1
NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent Requested by 7/1/79).	June 1/ October 1
NIAMDD, Clinical Nutrition Research Centers (Letter of Intent Requested by 7/1/79).	June 1/ October 1
NHLBI, RFA: Hypertension Specialized Centers of Research (Letter of Intent by 3/3/79).	June 8
NIAMDD/NHLBI/NIA/NIAID/NICHD/NINCDS: Studies on Overnutrition and Obesity.	June 1
NICHD, RFA: The Implications of Sustained Low Fertility	July 1
NEY, Core Grants for Vision Research Centers	June 1
NCI, RFA: Planning Model Cancer Prevention Programs at the Community Level (Letter of Intent by 6/1/79)	July 1
NIAMDD, Research Interests in Kidney Disease and Urology Program.	July 1
NIAMDD, Hematology Program	July 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	July 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	July 1
NIAMDD, Metabolic Diseases Program	July 1
NIAMDD, Research Interests in Skin Diseases.	July 1
NIAMDD, Research Interests in Endocrinology.	July 1
NIAMDD, Research Interests in Arthritis.	July 1
NIAMDD, Research Interests in Musculoskeletal Diseases	July 1
NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition.	July 1
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979).	July 1
NCI, RFA: "Patterns of Care" in Oncology (Letter of Intent by 6/1/79).	July 1
NCI, RFA: The Role of Nutrition in the Rehabilitation of Cancer Patients (Letter of Intent by 6/1/79)	July 1
NCI, RFA: Program for Improved Care of Cancer Patients with Terminal Diseases (Letter of Intent by 6/1/79).	July 1
NEY, Research on Cannabinoids in the Treatment of Glaucoma	July 1
NEY, Research on Retinal and Choroidal Disease Program	July 1
NINCDS, Field of Chronic Pain.	July 1
NIAMD, New Investigator Awards in Diabetes	July 1
NIGMS, Research Centers and Program Projects	July 1
NHLBI/NIAMD, Special Emphasis Research Cancer Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by 6/1/79)	July 1
NIA, The Genetic Basis of Aging: Drosophila as a Model System	July 1
NEY, Research on Macular Disease	July 1

National Institutes of Health (continued)	
NIAID, RFA: Legionnaires' Disease	July 1
NIAMDD, Postdoctoral Fellowships, Diabetes, Endocrinology, and Metabolism Research.	June 1
NIEHS, Academic Investigator Award--Toxicology	June 1
NIAID, RFA: Mechanisms of Immunologic Disease	June 1
NEY, Management of Severe Visual Impairment.	July 1
NHLBI, Studies on Endothelium in Relation to Atherogenesis.	July 1
NIEHS, Individual Postdoctoral Fellowships	June 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis.	July 1
NEY: Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Research Applications.	July 1
Individual Postdoctoral Fellowships.	June 1
Institutional Training Applications.	June 1
Academic Investigator Awards	June 1
Alcohol, Drug Abuse and Mental Health Administration	
ADAMHA, Research Scientist Development Award, Type I and Type II.	June 1
ADAMHA, Research Scientists Award.	June 1
National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal (Preliminary).	August 15
Small Grant.	August 15
Women's Education Equity Research Grant Program.	May 10
National Assessment of Educational Progress.	To Be Announced
Research on Law and Government in Education, Preliminary Proposals (Final Proposals 2/14/80).	October 18
Health Resources Administration	
Nursing Special Project Grants	July 1
Nursing Research Program Grants.	July 1
Fund for the Improvement of Post-secondary Education	
"Adapting Improvements: Better Strategies for Educating Adults" (Revised Deadline)	May 21
"Examining the Varieties of Liberal Education" (Revised Deadline).	May 21
Health Care Financing Administration	
Grant Applications	June 4
National Center for Health Services Research	
Research Grants.	Open
Office of Human Development	
Child Welfare Training Center Grants	May 21
Child Welfare Services--Traineeship Grants	May 21
Health Services Administration	
Family Planning Training	May 15
Hemophilia Treatment Center Project Grants	June 1
U.S. Office of Education	
Law School Clinical Experience Program	May 11
Bilingual Education Support Program:	
Support Services	June 1
Fellowship Program	May 4
Training Program	June 1

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

- Unsolicited Research Proposals for the Division of Earth Sciences (Proposed starting dates: January/February 1980)--Programs include: Geochemistry, Geology, and Geophysics May 15
- Public Understanding of Science (PUOS) Program--
Preliminary Proposals with the earliest starting date of February 1, 1980. June 1
- Scientists and Engineers in Economic Development (SEED) Program June 1
- U.S.-Antarctic Research Program (for research in Antarctica during the 1980-81 austral summer (September 1980 through March 1981) and extending through the southern hemisphere winter of 1980; for research or data analysis in the U.S. to commence approximately January 1, 1980) June 1
- U.S.-Latin America Cooperative Science Program (Proposed starting date is 1/1/80) June 1
- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed starting date is 10/1/79)--Areas of research include: Environment Energy and Resources, Innovation Processes and Their Management, Socioeconomic Effects of Science and Technology, and Technology Assessment. June 1
- U.S.-France Cooperative Research Program June 30
- Oceanographic Facilities and Support (OFS)--For Calendar Year 1980 Operations. July 1
- U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: March 1980). July 1
- Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed starting dates are January/February 1980)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology July 1
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed starting dates are January/February 1980)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology. July 2
- Science for Citizens (SFC) Forums, Conferences, Workshops and Planning Studies--Preliminary Proposals with earliest starting date of 3/15/80 July 15
- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed starting dates are January/February 1980)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. July 31

National Science Foundation (continued)

Engineering Specialized Research Equipment (Announcement of Awards: 2/1/80)	August 1
Ethics and Values in Science and Technology (EVIST)-- Formal Proposals with the earliest starting date of February 1, 1980.	August 1
Public Understanding of Science (PUOS) Program--Formal Proposals with the earliest starting date of Feb. 1, 1980.	August 1
(Project Solicitation) Mathematical Sciences Research Institute	August 1
Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: Feb. 1, 1980).	August 1
Unsolicited Research Proposals for the Oceanography Section of the Division of Ocean Sciences (Proposed Starting Date: January 1980)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	August 15
U.S.-Japan Cooperative Science Program (for visits to begin between 9/1/80 and 8/31/81)	August 31
Student Science Training Program (SSTP).	September
Undergraduate Research Participation (URP)	September
Arctic Research Program.	September 1
Ethics and Values in Science and Technology (EVIST)-- Preliminary Proposals with earliest start date of 6/1/80	September 1
U.S.-Australia Cooperative Science Program (for long-term visits to start between April 1, 1980 and September 30, 1980).	September 1
Unsolicited Research Proposals for the Division of Earth Sciences (Proposed starting dates: June/July 1980)-- Programs include: Geochemistry, Geology, and Geophysics	September 1
Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies--Formal Proposals with the earliest starting date of March 15, 1980.	September 15
U.S.-India Exchange of Scientists (for visits to begin between May 15, 1980 and September 15, 1980)	September 15

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

American Heart Association	
British American Research Fellowships.	July 1
Established Investigatorships.	July 1
Teaching Scholarship Awards.	September 5
Deafness Research Foundation	July 15
Epilepsy Foundation Research Grants.	August 1
IREX (all with exchange countries)	
Travel Grants for Senior Scholars.	May 31
Kodak Charitable Trust	Letter
	Inquiries Accepted
Minnesota Medical Foundation	June 30

National Foundation/March of Dimes	
Clinical Research Grants	August 1
Starter Research Grants.	No Deadline
National Multiple Sclerosis Society.	August 15
Noyes (Jessie Smith) Foundation.	June 1
Rumyon-Winchell Fellowship Grants.	August 15
Whitney (Helen Hay) Foundation	
Post-doctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Disease.	August 15

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ORA RDC Newsletter

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June, 1979

Volume VIII/No. 12

PAMPHLET ON INDIRECT COSTS PUBLISHED BY ORA

Sponsored Research at the University of Minnesota," which explains the development of the indirect cost rate and the utilization of indirect cost recoveries at the institution. It also attempts to answer questions which have been raised by faculty and others regarding the subject of indirect costs. The pamphlet has been distributed to deans, department heads, administrators and faculty engaged in sponsored research. To obtain a copy, call 376-7614.

The Office of Research Administration recently issued a publication entitled, "Indirect Costs of

REVISED REVIEW AND TRANSMITTAL PROCESS REGARDING REQUESTS TO PRIVATE FOUNDATIONS

submission to private foundations. The review and transmittal process regarding requests to private foundations was also the topic of discussions between the Senate Committee on Research and the University administration. These comments and discussions were valuable in our efforts to rethink our approach to private philanthropy. The following is a clarification and restatement of current practice regarding requests for funds from private foundations.

In the past year there have been some questions raised regarding University policies and practices about grant proposals prepared for

Private foundations (especially local ones) hold various views regarding the types of proposals that they wish to receive. For example, some do not want to consider research proposals, because they do not have large or diverse enough staffs to review such proposals. Others serve specific geographical regions or want to receive only those proposals which promise to be of broad benefit to the University. Similarly, the University solicits support in a variety of ways, generally through either institutional requests or proposals written by faculty members. Institutional requests are commonly for purposes of a capital campaign or other broad collegiate or multi-collegiate institutional goals. Such requests usually originate from decisions by central administration or from intercollegiate discussions. These are projects which the University's administration is willing to endorse as major University priorities. Proposals of this type are usually coordinated by the Development Office or the University of Minnesota Foundation. Faculty-generated proposals dealing with research efforts or community-oriented projects are handled administratively through the Office of Research Administration.

(continued)

When public funds are not available or when a project seems especially suited to private funding, the University encourages faculty members to explore the possibility of foundation support, but with full knowledge of the Office of Research Administration from the outset. Prior to the preparation of a preliminary inquiry, faculty members are advised to contact the Office of Research Administration for information concerning the current interests of particular private foundations. Most foundations prefer that the initial contact between faculty members and the foundation be in the form of a written preliminary inquiry setting forth the broad outlines of the project in sufficient detail to allow the foundation to determine whether the project falls within its current area of interest. The preliminary inquiry should not propose a specific line item budget nor should it address matters that require administrative approval. Copies of all preliminary inquiries should be forwarded to the Office of Research Administration. It is especially important that this office be kept fully informed of any inquiries to be made to the Charles K. Blandin Foundation, the Bush Foundation, and the McKnight Foundation, since these local foundations prefer major institutional proposals. Although they occasionally receive and fund proposals from individual faculty members, there is always a need for special coordination of such requests within the University. Preliminary inquiries should make clear that if the foundation is interested in receiving a formal proposal, University procedures require processing proposals through regular University channels.

If a private foundation responds favorably to a preliminary inquiry, a formal request may then be submitted through regular channels-- department head, dean, and the Office of Research Administration. Questions regarding specific foundation requirements should be addressed to the Office of Research Administration. The proposal must be accompanied by a form B.A. 23, "Approval of Application for Sponsored Research or Training Support." In addition, proposals submitted to the following private foundations in Minnesota will now require a statement prepared by the department head and dean which addresses the significance of the project and its appropriateness to the mission of that particular department and college: Blandin, Otto Bremer, Bush, Dayton-Hudson, Jerome, McKnight, Northwest Area, local corporations, and corporate foundations. These statements are for internal administrative purposes, and will not be forwarded with the proposal to the foundation. Because many of the proposals to private foundations have to be coordinated and reviewed by the Administrative Development Committee (described below), such statements are necessary to assist the Committee in its review of proposals. The Office of Research Administration will notify the Principal Investigator of the requirement to obtain these statements prior to review by the Administrative Development Committee. Proposals to national foundations, such as Ford, Robert W. Johnson, Kellogg, Lilly Endowment, and Mellon, must follow the regular B.A. 23 process. These proposals will normally be reviewed by the Administrative Development Committee. Statements from the department head and dean, as described above, may also be requested for proposals submitted to these foundations. In the case of other private foundations which have regular, formalized programs, such as the American Cancer Society, the Arthritis Foundation, the

March of Dimes, and the National Foundation, and which solicit applications, there is no need for a preliminary inquiry nor for statements from department heads and deans, and the regular B.A. 23 process should be followed.

For several years final review authority regarding private foundation requests has resided with the Administrative Development Committee, which consists of the Vice President for Academic Affairs, the Vice President for the Health Sciences, the Vice President for Finance, the Associate Vice President for Finance (Development Office), the Dean of the Graduate School, and the Director of the Office of Research Administration. The Office of Research Administration provides staff support to the Committee. The purpose of the Committee is to review formal proposals to private foundations and in the case of some local foundations also to review preliminary inquiries. The Committee is especially concerned that applications do not give foundations the impression of implied future commitments from the University. When there is no clear invitation by a foundation to submit a specific proposal, the Committee reviews which foundation is the most appropriate agency to receive a specific proposal on the basis of the interest of given foundations and their funding history. It is necessary to avoid oversolicitation of a few especially popular foundations, especially when the foundation has asked that the number of proposals be restricted. The Administrative Development Committee, in this respect, provides a mechanism for bringing together pending and proposed projects handled separately by the Office of Research Administration and the Development Office.

It is not the intent of the University to place unnecessary constraints on the pursuit of grant support. In fact, we very much encourage faculty members to initiate proposals to public or private agencies. Since central review and coordination of proposals are requested by certain foundations, review by the Administrative Development Committee assures these foundations that the University's overall efforts are coordinated. In order to encourage project applications to a wider range of private foundations, we are exploring ways to improve the exchange of information between administrators and faculty members. We hope that these efforts will yield greater support for all University units.

Procedures to be followed in applying for support from Private Foundations which do not have regular, formalized programs.

1. Faculty should seek advice from the Office of Research Administration or from their College Research Officer as to appropriate foundations.
2. A preliminary inquiry to the foundation should be prepared which indicates the nature and purpose of the project, anticipated benefits, and an estimate of total cost. A copy of the preliminary inquiry should be sent to ORA.
3. If the response to the preliminary inquiry is encouraging, a formal proposal should be sent through normal university channels along with a B.A. 23 form and a statement from the Department Chairman and the appropriate Dean which addresses the significance of the project and its appropriateness to the mission of the originating unit.
4. The proposal and the statement will be reviewed by the Administrative Development Committee.

CEE HIRES NEW
DEVELOPMENT OFFICER

would be pleased to assist faculty in working with CEE in the development of continuing education and community service type proposals. She is located in 170 Wesbrook Hall and can be reached by calling 376-8286.

Continuing Education and Extension has recently employed Claire Olson as Development Officer. Ms. Olson

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

national activities and deadline dates for application. For further information, please contact the OIP at 373-3793.

The Office of International Programs has information on fellowship and grant programs which support inter-

DIRECTORY OF FINANCIAL AIDS FOR
INTERNATIONAL ACTIVITIES--
PUBLISHED BY OIP

edition). Available now, the 376-page directory contains information on grants and fellowships for international activities awarded by over 230 funding sources. Each entry contains the following information: name and address of funding source; application deadline date; purpose of award; subject area; eligibility requirements; time period for use of funds; stipend; source and date of information.

The Office of International Programs announces publication of the Directory of Financial Aids For International Activities (second

There are also geographic, subject, type, and level of eligibility (undergraduate, graduate, and postdoctoral) indexes.

Copies of the directory are available in financial aid and fellowship offices, research offices, and international activities offices. Individuals may purchase copies of the directory for \$15.00, plus 4% Minnesota sales tax. All orders must be prepaid.

TOXICOLOGICAL EVALUATION
OF PESTICIDES

for studies to relieve deficiencies noted in pesticide review processes. Offerors must have capability for oral and dermal exposure to small mammals; kinetic studies of the distribution of compounds to various tissues; analytical chemistry for tissue excretion products; acute and subacute feeding studies; multigeneration reproduction studies; enzyme biochemistry measurement; neurophysiological and behavioral studies; and tissue pathology measurements. Write: EPA, Contracts Management Division (MD-33), Office of Administration, Attn: NCCM-L, Research Triangle Park, North Carolina 27711. Reference: RFP-DU-79-B145, due date not furnished.

Environmental Protection Agency has a requirement for a rapid response toxicology capability

ANIMAL DAMAGE CONTROL PROGRAM

The Animal Damage Control Program of the Department of the Interior has dual objectives: to develop technologies to reduce damage caused by wildlife to humankind's interests, and to develop environmentally sound damage control techniques in order to minimize potential damage caused by animal control methods. Disciplines supported are public health, wildlife biology, animal husbandry, and agriculture. Proposals should be sent to: Division of Wildlife Resources, Fish and Wildlife Service, U.S. Department of the Interior, Matomic Building, 1717 "H" Street, N.W., Washington, D.C. 20240. Informal contacts with the program manager are also encouraged.

INDO-AMERICAN FELLOWSHIP PROGRAM FOR ADVANCED RESEARCH IN INDIA FOR 1980-81

The objective of the Indo-American Fellowship Program is to draw into educational exchange individuals who are not Indian specialists but whose disciplinary or professional skills can be enhanced by the opportunity to carry out research in India. Awards are offered in the natural, applied, and social sciences, and professional areas such as architecture, business, law, medicine, public health, museum work, and creative arts. Applicants must be U.S. citizens at the postdoctoral or equivalent professional level. Awards are long-term (six to ten months) and short-term (two to three months). Further information is available from the Graduate School Fellowship Office, 373-2833.

Application forms should be requested from the Council for International Exchange of Scholars, Eleven Dupont Circle, Washington, D.C. 20036; phone (202) 833-4980. Application deadline is July 1.

WILSON CENTER FELLOWSHIPS

Men and women with outstanding capabilities and experience from a wide variety of backgrounds are eligible for support from Wilson Center Fellowships. For academic participants eligibility is limited to the postdoctoral level and publication of a major work is generally required. Fellows are expected to reside at the Wilson Center and devote full time to their research and writing. The duration of the fellowship is four months to one year, although a limited number of longer term appointments are also made. Further information is available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833. Application deadline is October 1.

FULBRIGHT AWARDS ABROAD, 1980-81

Fulbright-Hays awards are again available for University teaching and advanced research abroad. Basic eligibility requirements include U.S. citizenship; postdoctoral college or university lecturing experience at the level and in the field of application; a doctorate

at the time of application (or other professional qualifications) for research; proficiency in a foreign language in some instances. Further information is available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833. Application forms may be obtained from the Council for International Exchange of Scholars, Eleven Dupont Circle, Suite 300, Washington, D.C. 20036.

Application deadlines: June 1, 1979 (American Republics, Australia, New Zealand); July 1, 1979 (Africa, Asia, Europe).

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

- Research Grants, new July 1
- Research Grants, renewals. June 1
- NIDR, Research on Sweeteners and Dental Caries July 1
- NIA, The Culture Fibroblas-like Cell: The In Vivo Precursor Cell Types and the Post-proliferative Characterization July 1
- NIA, Nutrition in Relation to Health of the Aged and Aging Process. July 1
- NIA, Pharmacology Program. July 1
- NIA, Aging and Bereavement July 1
- NIA, Aging and Retirement. July 1
- NIA, Basic Aging Program July 1
- NEY, Research Grants, Hydrodynamics of the Eye July 1
- NEY, Research Grants, Immunological Aspects of Ocular Disease July 1
- NEY, Research Grants, Secondary Glaucomas. July 1
- NINCDS, Research Grants, Field of Local Neuronal Interactions July 1
- NCI, Diet, Nutrition, and Cancer Program on Nutritional Aspects of Cancer and its Etiology/Prevention, Treatment, Rehabilitation, and Training:
 - Research Proposals July 1
 - Individual Postdoctoral Fellowships. July 1
 - Institutional Training Grants. July 1
 - Research Career Development Awards July 1
- NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent Requested by 7/1/79). October 1
- NIAMDD, Clinical Nutrition Research Centers (Letter of Intent Requested by 7/1/79). October 1

National Institutes of Health (cont.)

NIAMDD/NHLBI/NIA/NIAID/NICHD/NINCDS; Studies on Overnutrition and Obesity.	October 1
NICHD, RFA: The Implications of Sustained Low Fertility . . .	July 1
NCI, RFA: Planning Model Cancer Prevention Programs at the Community Level (Letter of Intent by 6/1/79)	July 1
NIAMDD, Research Interests in Kidney Disease and Urology Program.	July 1
NIAMDD, Hematology Program	July 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	July 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	July 1
NIAMDD, Metabolic Diseases Program	July 1
NIAMDD, Research Interests in Skin Diseases.	July 1
NIAMDD, Research Interests in Endocrinology.	July 1
NIAMDD, Research Interests in Arthritis.	July 1
NIAMDD, Research Interests in Musculoskeletal Diseases . . .	July 1
NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition.	July 1
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by December 1, 1978 or February 1, 1979).	July 1
NCI, RFA: "Patterns of Care" in Oncology (Letter of Intent by 6/1/79).	July 1
NCI, RFA: The Role of Nutrition in the Rehabilitation of Cancer Patients (Letter of Intent by 6/1/79)	July 1
NCI, RFA: Program for Improved Care of Cancer Patients with Terminal Diseases (Letter of Intent by 6/1/79).	July 1
NEY, Research on Cannabinoids in the Treatment of Glaucoma .	July 1
NEY, Research on Retinal and Choroidal Disease Program . . .	July 1
NINCDS, Field of Chronic Pain.	July 1
NIAMD, New Investigator Awards in Diabetes	July 1
NIGMS, Research Centers and Program Projects	July 1
NHLBI/NIAMD, Special Emphasis Research Cancer Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1, 1980
NCI, RFA: Identification and Evaluation of Counseling Techniques for Cancer Patients (Letter of Intent by 6/1/79)	July 1
NIA, The Genetic Basis of Aging: Drosophila as a Model System	July 1
NEY, Research on Macular Disease	July 1
NIAID, RFA: Legionnaires' Disease	July 1
NEY, Management of Severe Visual Impairment.	July 1
NHLBI, Studies on Endothelium in Relation to Atherogenesis. .	July 1
NIEHS, Individual Postdoctoral Fellowships	October 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis.	July 1
NEY: Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Research Applications.	July 1
Individual Postdoctoral Fellowships.	October 1
Institutional Training Applications.	October 1
Academic Investigator Awards	October 1

National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal (Preliminary)	August 15
Small Grant	August 15
National Assessment of Educational Progress To Be Announced	
Research on Law and Government in Education, Preliminary Proposals (Final Proposals 2/14/80)	October 18
Health Resources Administration	
Nursing Special Project Grants	July 1
Nursing Research Program Grants	July 1
Health Care Financing Administration	
Grant Applications	October 1/ April 7, 1980
National Center for Health Services Research	
Research Grants	Open

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

International Travel Grant Program (for <u>Group Travel</u> with starting dates between April 1, 1980 and June 30, 1980; for <u>Individual Travel</u> with starting dates between October 1, 1979 and December 31, 1979)	July 2
Oceanographic Facilities and Support (OFS)--For Calendar Year 1980 Operations	July 2
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed starting dates are January/February 1980)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Human Cell Biology, Metabolic Biology, and Regulatory Biology	July 2
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed starting dates are January/February 1980)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology	July 2
U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: March 1980)	July 2
Science for Citizens (SFC) Forums, Conferences, Workshops and Planning Studies-- <u>Preliminary Proposals</u> with earliest starting date of 3/15/80	July 16
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed starting dates are January/February 1980)--Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology	July 31
Engineering Specialized Research Equipment (Announcement of Awards: 2/1/80)	August 1

National Science Foundation (cont.)

- Ethics and Values in Science and Technology (EVIST)--
Formal Proposals with the earliest starting date
of February 1, 1980. August 1
- Public Understanding of Science (PUOS) Program--Formal
Proposals with the earliest starting date of Feb. 1, 1980. August 1
- (Project Solicitation) Mathematical Sciences
Research Institute August 1
- Unsolicited Research Proposals for the Climate Dynamics
Program (Announcement of Awards: Feb. 1, 1980). August 1
- Unsolicited Research Proposals for the Division of Social
Sciences (Proposed Starting Dates: January/February 1980)--
Programs include: Economics, Geography and Regional Science,
History and Philosophy of Science, Law and Social Sciences,
Measurement Methods and Data Resources, Political Science,
and Sociology. August 1
- Unsolicited Research Proposals for the Oceanography Section
of the Division of Ocean Sciences (Proposed Starting
Date: January 1980)--Programs include: Biological
Oceanography, Marine Chemistry, Physical Oceanography,
and Submarine Geology and Geophysics August 15
- U.S.-Japan Cooperative Science Program (for visits
to begin between 9/1/80 and 8/31/81) August 31
- Student Science Training Program (SSTP). September
- Undergraduate Research Participation (URP) September
- Arctic Research Program. September 4
- Ethics and Values in Science and Technology (EVIST)--
Preliminary Proposals with earliest start date of 6/1/80 . September 4
- U.S.-Australia Cooperative Science Program (for long-term
visits to start between April 1, 1980 and
September 30, 1980). September 4
- Unsolicited Research Proposals for the Division of
Earth Sciences (Proposed starting dates: June/July 1980)--
Programs include: Geochemistry, Geology, and
Geophysics September 4
- Unsolicited Research Proposals for the Division of
Policy Research and Analysis (Targeted Funding Date:
February 1, 1980)--Areas of Interest include: Environment,
Energy, and Resources; Innovation Processes and their
Management; Socioeconomic Effects of Science and Technology;
Technology Assessment; and, Cross-Cutting Topics September 4
- Science for Citizens (SFC) Forums, Conferences, Workshops,
and Planning Studies--Formal Proposals with the earliest
starting date of March 15, 1980. September 17
- U.S.-India Exchange of Scientists (for visits to begin
between May 15, 1980 and September 15, 1980) September 17
- Unsolicited Research Proposals for the Mathematical
Sciences Section (Proposed Starting Date: Summer 1980)--
Programs include: Algebra and Number Theory; Applied
Mathematics and Statistics; Classical Analysis; Geometry,
Topology, and Foundations; and, Modern Analysis and
Probability. October

National Science Foundation (cont.)

- Pre-College Teacher Development in Science Program October
- International Travel Grant Program (for Group Travel with starting dates between July 1, 1980 and September 30, 1980; for Individual Travel with starting dates between January 1, 1980 and March 31, 1980). October 1
- Public Understanding of Science (PUOS) Program--
Preliminary Proposals with the earliest starting date of June 1, 1980 October 1
- U.S.-Australia Cooperative Science Program (for Seminars with starting dates between July 1, 1980 and December 31, 1980) October 1
- U.S.-New Zealand Cooperative Science Program (for Long-Term Visits with starting dates between June 1, 1980 and November 30, 1980; for Seminars/Workshops with dates between July 1, 1980 and December 31, 1980). October 1
- Local Course Improvement (LOCI) Program (Announcement of Awards: mid-May 1980) October 3

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

- American Council of Learned Societies (Several Programs) September 30/
November 15
- American Heart Association
- British American Research Fellowships. July 1
- Established Investigatorships. July 1
- Teaching Scholarship Awards. September 5
- Grants-in-Aid. October 1
- Cystic Fibrosis Foundation
- Student Traineeships October 1
- Research Fellowships September 1
- Research Scholar Awards. September 1
- Research Grants. September 1
- Clinical Fellowships October 1
- Deafness Research Foundation July 15
- Engineering Foundation
- Grants-in-Aid. No Deadline
- Epilepsy Foundation Research Grants. August 1
- Francis (Parker B.) Foundation
- Fellowships in Pulmonary Research. September 15
- General Electric Foundation
- Stimulation of and Improvement in Educational Methods. Letter
Applications
- IREX (all with exchange countries) September 30
- Juvenile Diabetes Foundation September 10
- Minnesota Humanities Commission. July 15/
September 15
- Minnesota Medical Foundation June 30/
September 30

National Foundation for Ileitis and Colitis, Inc.	
Career Development Award	August 1
Senior Fellowship Award.	August 1
Research Grants.	August 1
National Foundation--March of Dimes	
Research Grants: Basic.	October 1
Social and Behavioral Sciences	September 1
National Multiple Sclerosis Society	
Research Grants.	August 15
Pharmaceutical Manufacturers Association	
Foundation, Inc.	September 1
Runyon-Winchell Fellowship Grants.	August 15
United Cerebral Palsy Research and Education	
Foundation, Inc.	Fellowships Available
Whitney (Helen Hay) Foundation Fellowships	August 15

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

ORARDC Newsletter

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July, 1979

Volume IX/No. 1

NEW INDIRECT COST RATES

The indirect cost Negotiated Agreement for FY 1980 has recently been signed. The date of the agreement is June 11, 1979. The new rates are as follows:

	On-Campus		Off-Campus	
	Research	Training	Research	Training
Twin Cities Campuses ¹	53.6%	68.0%	27.5%	28.0%
St. Anthony Falls Hydraulic Lab	85.0%	N.A.	N.A.	N.A.
Hormel Institute	47.2%	N.A.	N.A.	N.A.
Duluth Campus	42.0%	46.0%	31.5%	23.5%
Morris Campus	46.5%	53.5%	37.5%	26.5%
Waseca/Crookston Campuses	N.A.	64.0%	N.A.	22.0%
Office of International Programs ²	N.A.	60.0%	N.A.	40.0%
Continuing Education & Extension ²	N.A.	42.0%	N.A.	23.0%

¹Includes Minneapolis Campus, St. Paul Campus and Health Science Units

²These rates are to be utilized for all programs (research and training) conducted in the academic unit.

The above rates are effective July 1, 1979. Special attention will need to be provided to those projects which may change the amount of indirect costs charged. Proposal budgets must reflect these revised rates. For details of these requirements, please contact the appropriate grant administrator in the Office of Research Administration.

POSITION AVAILABLE

The Office of Research Administration has an opening for a person with an accounting background. This person would assist the Cost Analyst in the development of the indirect cost and fringe benefit rates, review of service center operations and special cost studies. The position requires a degree in Business Administration-Accounting and 6 months experience in cost accounting or other degree and 2-3 years of relevant experience. It also requires someone who can interpret and apply governmental regulations. Interested individuals are asked to contact the University Personnel Department or Ed Tickner (3-5959).

ORA ISSUES NEW PUBLICATION

The Office of Research Administration has prepared a report entitled "Levels and Trends in Sponsored Programs at the University of Minnesota." This report provides information concerning fiscal year 1978 expenditures for sponsored research and training programs by college and sponsor; and information on proposal and award levels during fiscal year 1977 and 1978 by collegiate unit and source. The report has been distributed to deans and department heads. However, a limited number of copies are still available and can be obtained by contacting ORA at 376-7353.

The Office of Research Administration has prepared a report

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

programs which support international activities and deadline dates for application. For further information, please contact OIP at 373-3793.

The Office of International Programs (OIP) has information on fellowship and grant

NSF PROPOSALS FOR CONFERENCES,
SYMPOSIA, AND WORKSHOPS

behavioral and social sciences should be submitted at least one year in advance of the scheduled date. Further information may be obtained from the program director of the respective research discipline.

Proposals for NSF-related conferences, symposia, and workshops in the biological,

NEA SETS SEPTEMBER/NOVEMBER
DEADLINES FOR MEDIA ARTS GRANTS

October, and November for the following Media Arts: Film/ Radio/Television Programs.

The National Endowment for the Arts (NEA) has set postmark deadlines in September,

Postmark Deadline

September 1, 1979

Program Description

American Film Institute Independent Filmmaker Program. The A.F.I. administers for the N.E.A. a program of grants to filmmakers working in animated, documentary, experimental, and narrative film. For more information write: The American Film Institute, 501 Doheny Drive, Beverly Hills, California 90210. Earliest project start date is February 1980.

Postmark Deadline

September 15, 1979

Program Description

Production Grants. Matching grants of up to \$50,000 are available to support outstanding productions in film, video, and radio. The resulting films or programs should be exhibited or broadcast to a wide audience. Occasionally non-matching grants will be made to individuals of substantial professional experience, with these grants generally not exceeding \$15,000. Earliest project start date is July 1980.

October 15, 1979

Video Artists Fellowships. Video artists are eligible for grants under a program jointly funded by the Media Arts and Visual Arts Programs. For more information contact: Visual Arts Program, N.E.A., 2401 E St., N.W., Washington, D.C. 20506, (202) 634-1566.

October 25, 1979

In Residence/Workshop Program. Matching grants ranging from \$1,000 to \$10,000 are available to enable organizations to invite nationally recognized film and videomakers, radio producers, and critics for stays of various length. Visitors may be invited to give a single lecture or workshop or a series of either. A good portion of the project budget should be spent on honoraria, transportation, and artists' supplies. Earliest project start date is April 1980.

November 15, 1979

American Film Institute/Arts Endowment Film Archival Program. Matching grants of less than \$50,000 are available to help organizations locate, restore, preserve, and catalog films of artistic or cultural value. Applicants must have an existing archival film collection; nonprofit, tax-exempt status; and adequate staff and equipment to carry out the project. They must also provide reasonable access to materials for professional colleagues.

For further information and application guidelines contact:
Media Arts: Film/Radio/Television Program, N.E.A., 2401 E Street, N.W., Washington, D.C. 20506, (202) 634-6300.

NEA SETS FY 1980-FY 1981
DEADLINES FOR EXPANSION ARTS

The National Endowment for the Arts (NEA) has issued guidelines and deadlines for applications

to its Expansion Arts Program, FY 1980 and 1981. The Expansion Arts Program funds community-based projects that offer workshops and classes at little or no costs; community-based arts projects that offer performances, exhibitions, or festivals; community-based cultural centers that deal with at least two art forms; summer art projects; regional festivals of community-based arts groups; and management and other technical assistance for community-based arts organizations. Deadline dates and programs are as follows:

Postmark Deadline

Program Description

July 1, 1979

Instruction and Training. Matching grants from between \$5,000 and \$30,000 are available to help community-based arts organizations that offer professionally led workshops and classes on a regular basis. First year grants rarely exceed \$7,500. Earliest project start date is October 1, 1980.

July 1, 1979

Arts Exposure Programs. Matching grants from between \$5,000 to \$30,000 are available to help community-based arts organizations that offer performances, exhibitions, expositions, etc., as well as preparatory and follow-up workshops for those taking part. Supported are projects designed to serve people who cannot usually get to cultural events for geographic, economic, or physical reasons. First year grants rarely exceed \$7,500. Earliest project start date is October 1, 1980.

September 1, 1979

Summer Projects--1980. Matching grants from between \$1,500 and \$15,000 are available to help professionally directed summer projects that offer training or active participation in at least one art form. In order to be eligible, a project must have been carried out at least once before. The average grant is less than \$6,000. Earliest project start date is April 1, 1980.

September 1, 1979

Regional Tour-Events--1980. Matching grants from \$5,000 to \$15,000 are available to help organizations that present arts festivals, using community-based arts groups from the region. Local sponsors are encouraged to support community arts groups; raise money from new sources; help arts groups get to know each

Postmark Deadline

Program Description

December 1, 1979

other better and reach out for new audiences. The average grant is \$7,500, with earliest project start date being April 1, 1980.

Community Cultural Centers. Matching grants ranging from \$10,000 to \$70,000 are available to help major, successful community cultural centers that can serve as models. A center must offer training and participation in at least two art forms, as well as giving those it trains a chance to perform or exhibit. To be eligible, a community cultural center must have had a continuous program in at least two art forms for at least three years. The average grant is less than \$25,000. Earliest project start date is October 1, 1980.

December 1, 1979

Services to Neighborhood Arts Organizations. Matching grants from \$5,000 to \$50,000 are available to help organizations that offer technical assistance and services to community-based arts groups. Such aid may include development, promotion, and program assistance. To be eligible, an organization must have provided services for at least three years to a broad variety of community-based arts groups. Most grants are in the \$12,000-\$15,000 range, with earliest project start date being October 1, 1980.

December 1, 1979

State Arts Agencies--Expansion Arts. Matching grants ranging from \$5,000 to \$20,000 are available to help state arts agencies carry out Expansion Arts activities, including program activities, and for advocating, coordinating, providing neighborhood arts services, or other such projects. Earliest project start date is October 1, 1980.

December 1, 1979

Neighborhood Arts Consortia. Matching grants of up to \$50,000 are available to help community arts consortia, which may share financial development, administration, technical, and promotional resources, but must make their own artistic and program decisions. A consortium must consist of three or more community arts organizations. Grants are for administrative support services for the consortium, not for program activities of individual groups. Earliest project start date is October 1, 1980.

(continued)

Postmark Deadline

Program Description

March 1, 1980

Summer Projects--1981. Program description is identical with that of Summer Projects--1980, above. Earliest project start date is April 1, 1981.

March 1, 1980

Regional Tour-Events--1981. Program description is identical with that of Regional Tour-Events--1980, above. Earliest project start date is April 1, 1981.

For further information and application materials contact: Expansion Arts Program, N.E.A., 2401 E Street, N.W., Washington, D.C. 20506, (202) 634-6010.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

- Research Grants, new November 1
- Research Grants, renewals. October 1
- NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent Requested by 7/1/79). October 1
- NIAMDD, Clinical Nutrition Research Centers (Letter of Intent Requested by 7/1/79). October 1
- NIAMDD/NHLBI/NIA/NIAID/NICHD/NINCDS: Studies on Overnutrition and Obesity. October 1
- NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program November 1
- NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program November 1
- NIAMDD, Metabolic Diseases Program November 1
- NIAMDD, Research Interests in Skin Diseases. November 1
- NIAMDD, Research Interests in Endocrinology. November 1
- NIAMDD, Research Interests in Arthritis. November 1
- NIAMDD, Research Interests in Musculoskeletal Diseases November 1
- NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition. November 1
- NEY, Research on Cannabinoids in the Treatment of Glaucoma November 1
- NEY, Research on Retinal and Choroidal Disease Program November 1
- NINCDS, Field of Chronic Pain. November 1
- NHLBI/NIAMD, Special Emphasis Research Cancer Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects June 1, 1980

National Institutes of Health (cont.)

- NIA, The Genetic Basis of Aging: *Drosophila* as a Model System November 1
- NEY, Research on Macular Disease November 1
- NIAID, RFA: Legionnaires' Disease November 1
- NEY, Management of Severe Visual Impairment. July 1
- NIEHS, Individual Postdoctoral Fellowships October 1
- NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis. November 1
- NEY: Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Research Applications. November 1
- Individual Postdoctoral Fellowships. October 1
- Institutional Training Applications. October 1
- Academic Investigator Awards October 1
- National Institute of Education
 - Grants for Research on Organizational Processes:
 - Full Proposal (Preliminary). August 15
 - Small Grant. August 15
 - National Assessment of Educational Progress. To Be Announced
 - Research on Law and Government in Education, Preliminary Proposals (Final Proposals 2/14/80). October 18
- Health Resources Administration
 - Nursing Special Project Grants November 1
 - Nursing Research Program Grants. November 1
- Health Care Financing Administration
 - Grant Applications October 1/
April 7, 1980
- National Center for Health Services Research
 - Research Grants. Open

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

- Science for Citizens (SFC) Forums, Conferences, Workshops and Planning Studies--Preliminary Proposals with earliest starting date of 3/15/80 July 16
- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed starting dates are January/February 1980)--Programs include:
 - Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. . . . July 31
- Engineering Specialized Research Equipment (Announcement of Awards: 2/1/80). August 1
- Ethics and Values in Science and Technology (EVIST)--Formal Proposals with the earliest starting date of February 1, 1980. August 1
- Public Understanding of Science (PUOS) Program--Formal Proposals with the earliest starting date of Feb. 1, 1980. August 1

National Science Foundation (cont.)

(Project Solicitation) Mathematical Sciences

Research Institute	August 1
Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: Feb. 1, 1980).	August 1
Unsolicited Research Proposals for the Division of Social Sciences (Proposed Starting Dates: January/February 1980)-- Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Measurement Methods and Data Resources, Political Science, and Sociology.	August 1
Applied Social and Behavioral Sciences for starting date of March 15, 1980.	August 3
Applied Physical, Mathematical and Biological Sciences and Engineering.	August 3
Unsolicited Research Proposals for the Oceanography Section of the Division of Ocean Sciences (Proposed Starting Date: January 1980)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	August 15
Student Science Training Program	August 22
U.S.-Japan Cooperative Science Program (for visits to begin between 9/1/80 and 8/31/81)	August 31
Undergraduate Research Participation (URP)	September
Arctic Research Program.	September 4
Ethics and Values in Science and Technology (EVIST)-- Preliminary Proposals with earliest start date of 6/1/80	September 4
U.S.-Australia Cooperative Science Program (for long-term visits to start between April 1, 1980 and September 30, 1980).	September 4
Unsolicited Research Proposals for the Division of Earth Sciences (Proposed starting dates: June/July 1980)-- Programs include: Geochemistry, Geology, and Geophysics	September 4
Unsolicited Research Proposals for the Division of Policy Research and Analysis (Targeted Funding Date: February 1, 1980)--Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socioeconomic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics	September 4
Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies-- <u>Formal Proposals with the earliest starting date of March 15, 1980.</u>	September 17
U.S.-India Exchange of Scientists (for visits to begin between May 15, 1980 and September 15, 1980)	September 17
Pre-College Teacher Development in Science Program	October
International Travel Grant Program (for <u>Group Travel</u> with starting dates between July 1, 1980 and <u>September 30, 1980;</u> for <u>Individual Travel</u> with starting dates between January 1, 1980 and March 31, 1980).	October 1

National Science Foundation (cont.)

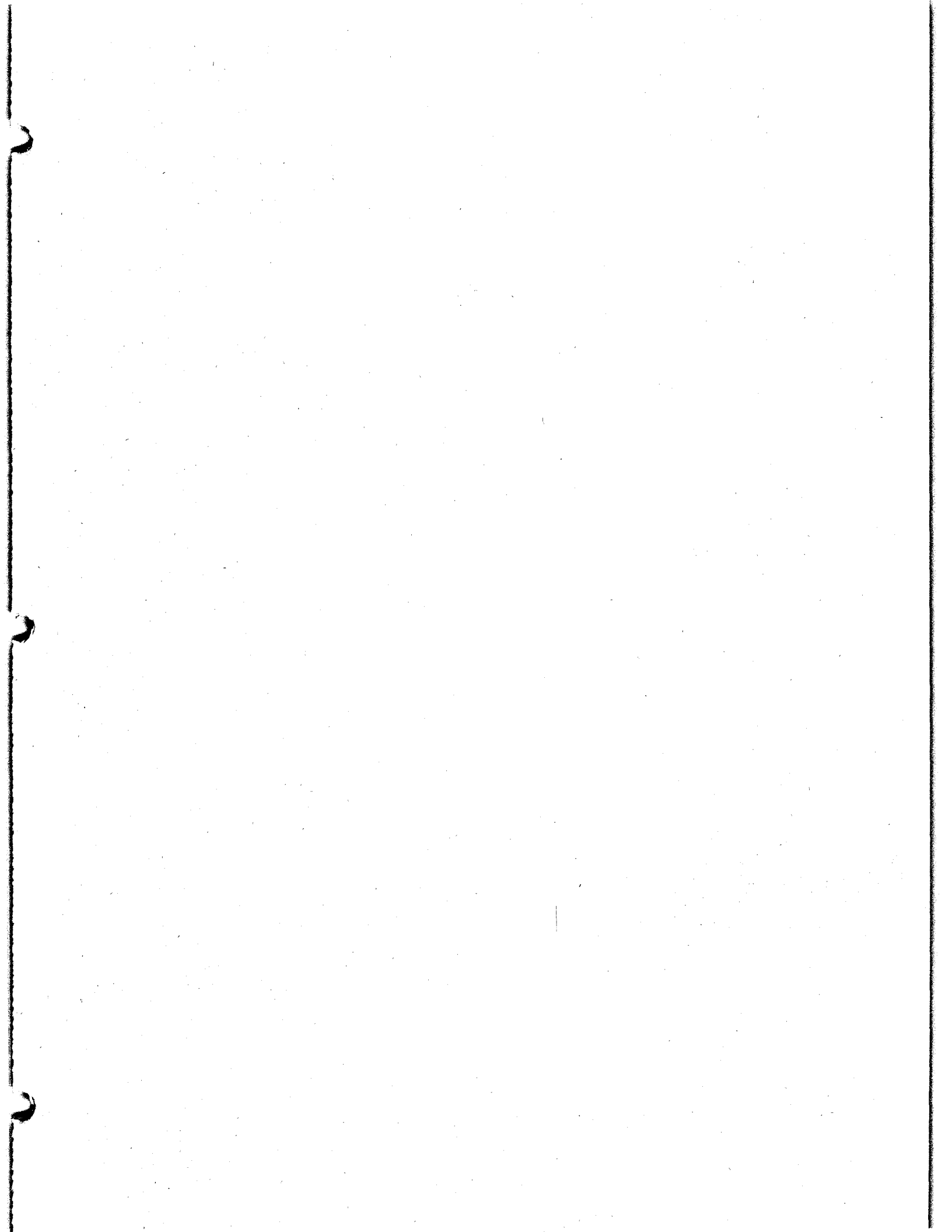
- Public Understanding of Science (PUOS) Program--
Preliminary Proposals with the earliest starting date of
June 1, 1980 October 1
- U.S.-Australia Cooperative Science Program (for Seminars
with starting dates between July 1, 1980 and
December 31, 1980) October 1
- U.S.-New Zealand Cooperative Science Program (for Long-Term
Visits with starting dates between June 1, 1980 and
November 30, 1980; for Seminars/Workshops with dates between
July 1, 1980 and December 31, 1980). October 1
- Local Course Improvement (LOCI) Program (Announcement of
Awards: mid-May 1980) October 3
- Unsolicited Research Proposals for the Mathematical
Sciences Section (Proposed Starting Date: Summer 1980)--
Programs include: Algebra and Number Theory; Applied
Mathematics and Statistics; Classical Analysis; Geometry,
Topology, and Foundations; and, Modern Analysis and
Probability. October 26

PRIVATE

Questions regarding the following deadlines should be referred to ORA
at 373-0773:

- American Cancer Society
 - Junior Faculty Clinical Fellowships. October 1
 - Postdoctoral Fellowships October 1
 - Junior Faculty Research Awards October 1
 - Faculty Research Awards. October 1
 - Scholars in Cancer Research. October 1
- American Council of Learned Societies (Several Programs) September 30/
November 15
- American Heart Association
 - Teaching Scholarship Awards. September 5
 - Grants-in-Aid. October 1
- Cystic Fibrosis Foundation
 - Student Traineeships October 1
 - Research Fellowships September 1
 - Research Scholar Awards. September 1
 - Research Grants. September 1
 - Clinical Fellowships October 1
- Epilepsy Foundation Research Grants. August 1
- Francis (Parker B.) Foundation
 - Fellowships in Pulmonary Research. September 15
- IREX--Travel and Study Grants (all with exchange countries). September 30
- Juvenile Diabetes Foundation September 10
- Leukemia Society of America
 - Scholar Program. October 1
 - Special Fellow Program October 1
 - Fellow Program October 1

Macy (Josiah, Jr.) Foundation
 Faculty Scholar Award Program (Schools of Medicine
 and Public Health) October 1
 Mellon Foundation at St. Louis University
 Post-doctoral Study. September 1
 Minnesota Humanities Commission. September 15
 Minnesota Medical Foundation September 30
 National Foundation for Ileitis and Colitis, Inc.
 Career Development Award August 1
 Senior Fellowship Award. August 1
 Research Grants. August 1
 National Foundation--March of Dimes
 Research Grants: Basic. October 1
 Social and Behavioral Sciences September 1
 National Fund for Medical Education Grants October 1
 National Multiple Sclerosis Society Research Grants. August 15
 Noyes Foundation
 Grants on Population and Environment Interaction September 1
 Orthopedic Research Foundation Grants October 1
 Pharmaceutical Manufacturers Association Foundation, Inc.
 Faculty Award in Clinical Pharmacology October 1
 Faculty Award in Basic Pharmacology. October 1
 Fellowships in Clinical Pharmacology October 1
 Research Starter Grants. September 1
 Fellowships for Advanced Predoctoral Training. September 15
 Rockefeller Foundation Humanities Fellowships. October 1
 Runyon-Winchell Fellowship Grants. August 15
 Technicon Instruments Corporation
 Research in Biomedical and Industrial Instrumentation
 Preliminary. Anytime
 Requested Final. December 14
 United Cerebral Palsy Research and Educational Foundation, Inc.
 Research Grants. September 1
 Whitney Foundation Fellowships. August 15



Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORADDC Newsletter

Published Jointly by the Office of Research Administration and the Research Development Center

August, 1979

Volume IX/No. 2

CALCULATING INDIRECT COSTS FOR TRAINING GRANTS

To clarify the statement of policy published in the NIH Guide for Grants and Contracts,

Volume 8, No. 5, April 13, 1979: The new policy excluding tuition and related fees and equipment expenditures from the base to which a rate of up to 8% is to be applied is effective for all PHS grant awards with budget periods beginning on or after November 1, 1978.

NIH AND ADAMHA CHANGE IN RESEARCH CAREER AWARD POLICY

The present policy for the Research Career Award program states: "Research Career

Awards will not be continued or renewed beyond the mandatory retirement for comparable faculty or staff members for that grantee institution or particular part thereof, with no exceptions. RCAs will not in any case be continued beyond the year in which the awardee either reaches age 70, retires from the institution, or attains emeritus position."

In keeping with the initiatives regarding age discrimination, the words "reaches age 70" are hereby deleted. The mandatory institutional retirement policy without regard as to source of salary support is sufficient on this point.

This change in policy is also applicable to the ADAMHA research scientist award program.

NEA DEADLINES FOR 1980 FELLOWSHIP PROGRAM

The National Endowment for the Arts (NEA) has issued its deadline calendar for the 1980 National

Endowment Fellowship Program, formerly the Work Experience Internship Program. The 13-week sessions are designed to acquaint participants with the policies and operations of the Endowment and to help give them an overview of arts activities around the country. Fellowships are awarded on a competitive basis, and applicants must be sponsored by a college or university, State arts agency or other nonprofit, tax-exempt arts organization. Non-matching grants will include a stipend of \$2,660 plus a travel allotment. Each fellow

is assigned to one Endowment division or office in Washington, D.C. throughout the 13-week period. Fellows spend approximately two-thirds of their time working as members of the professional staff to gain a functional view of the Endowment and to assist programs and offices in their daily operations. Activities include work with grant applications, panel review sessions, and research on policy and grants. The deadline dates and corresponding program sessions are:

<u>Deadline Date</u>	<u>Program Session Dates</u>
September 21, 1979	Spring 1980: February 4-May 2, 1980
January 21, 1980	Summer 1980: June 2-August 29, 1980
May 12, 1980	Fall 1980: September 22-December 19, 1980

NIH'S AND ADAMHA'S SCHEDULE FOR
CONVERSION FROM THE CATEGORICAL
REPORTS OF EXPENDITURE TO
FINANCIAL STATUS REPORTS

As a result of DHEW's implementation of OMB Circular A-110 by means of Code of Federal Regulations 45, Part 74, the NIH and ADAMHA will make the transition

from a detailed categorical Report of Expenditures format to the noncategorical Financial Status Report prescribed in Part 74.

The new expenditure form (Standard Form 269) for which the PHS approved version is designated as PHS 5154 will be used to report on all budget periods whose start dates were October 1, 1978, and thereafter.

For NIH programs, the mailing, receipt, and initial processing of Financial Status Reports will continue to be the responsibility of the Federal Assistance Accounting Branch, Division of Financial Management, as it has done for other expenditures reports utilized by NIH. In addition, FAAB will stock and supply copies of the Financial Status Report for all users.

Awarding unit staff will receive Financial Status Reports after initial processing by the Division of Financial Management. Although these reports will contain financial information limited essentially to total expenditures and unobligated balances, awarding unit staff will continue to exercise their usual options with respect to the disposition of balances (i.e., carryover to a subsequent budget period as additional income or offset against a current or future award as partial payment). In addition, awarding unit staff will continue to observe the procedures set forth under the Procedure Notice entitled "Research Grant Award Adjustments Related to the Estimated and Actual Unexpended and Unobligated Grant Balances," which appeared in the NIH Guide for Grants and Contracts, Vol. 1, No. 6, p. 5, April 26, 1971.

Expenditures reporting for all grants awarded prior to FY 1979 are subject to the terms and conditions in effect at time of award; therefore, reports for budget periods which were effective prior to October 1, 1978, will account for expenditures utilizing the

forms required at the time of their issuance. Any subsequent noncompeting continuation award or competing renewal is subject to the Financial Status Report. Supplemental awards (Type 3s) are considered to have the same inclusive dates as the parent grant for purposes of reporting.

Financial Status Reports are due within 90 days following completion of a budget period. All existing requirements regarding the obtaining of delinquent reports, withholding awards in the absence of required reports, and the submission and acceptance of revised expenditures reports continue to pertain.

AMERICAN CANCER SOCIETY--
INSTITUTIONAL RESEARCH GRANT

The University of Minnesota has been awarded a renewal of its Institutional Research Grant from the American Cancer Society (ACS) for 1979-80. This fund is intended to serve as "seed" money permitting the initiation of promising new projects or novel ideas, especially by junior investigators, in cancer-related research. Encouragement of cancer research may also be facilitated by support of seminars on cancer-related topics, and by graduate student research. The fund is administered by a Dean's Committee of the Medical School with representation from other biologically-oriented colleges. The Committee is now accepting applications for individual grants not to exceed \$4,000 from this fund with a deadline of October 1. Instructions and application forms may be obtained from the Committee chairman: Dr. C.F. Moldow, Department of Medicine, Room C313, Mayo Building, telephone: 373-9085.

AID SUPPORTS ENERGY RESEARCH

The Agency for International Development (A.I.D.) supports research in training in energy management, training in alternative energy technology, bio-resource energy production and energy production from photo-voltaics. Disciplines supported are physical sciences, social sciences, anthropology, economics, civil engineering, mechanical engineering and electrical engineering. Informal inquiries regarding A.I.D. research interests are welcome. Unsolicited proposals should be addressed to Office of Energy, Bureau for Development Support, A.I.D., Department of State, Washington, D.C. 20523. Telephone: (703) 235-9020.

AMERICAN COUNCIL OF
LEARNED SOCIETIES

Several fellowships and grants for postdoctoral research and study in the humanities and the social sciences in which there is an emphasis on the humanities are available for 1980 -1981. Terms, eligibility requirements and applications vary (earliest deadline is September 30, 1979). Contact the Graduate Fellowship Office (373-2833) for further information.

WILSON CENTER FELLOWSHIPS

Several fellowships are available to women and men with outstanding capabilities and experience from a wide variety of backgrounds. For academic participants eligibility is limited to the postdoctoral level. The Center's program is residential in character and Fellows are expected to devote full time to the major research project proposed in the application. Appointments generally extend from four months to one year. Application deadline is October 1, 1979. Further information is available from the Graduate Fellowship Office, 373-2833.

THE MICHIGAN SOCIETY OF FELLOWS

The Michigan Society of Fellows invites nominations of qualified candidates for Junior Fellowships to commence September 1, 1980 for a three-year term. Nominees should be persons at the beginning of their professional career and who have completed their training within the previous three years. Degree candidates must have completed the doctorate by September 1, 1980. Candidates may apply upon invitation only, after being nominated by persons accomplished in their particular field of endeavor. Nominators are requested to include detailed statements in support of their nominees. Nominations will be accepted until October 5, 1979. Nominations, supporting statements and nominees' current mailing address should be sent to: Professor Angus Campbell, Chairman, Michigan Society of Fellows, c/o Karina Niemeyer, 3530 Rackham, University of Michigan, Ann Arbor, Michigan 48109.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

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- NIAMDD/NHLBI/NIA/NIAID/NICHD/NINCDS: Studies on Overnutrition and Obesity. October 1
- NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program November 1

National Institutes of Health (cont.)

NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	November 1
NIAMDD, Metabolic Diseases Program	November 1
NIAMDD, Research Interests in Skin Diseases.	November 1
NIAMDD, Research Interests in Endocrinology.	November 1
NIAMDD, Research Interests in Arthritis.	November 1
NIAMDD, Research Interests in Musculoskeletal Diseases	November 1
NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition.	November 1
NEY, Research on Cannabinoids in the Treatment of Glaucoma	November 1
NEY, Research on Retinal and Choroidal Disease Program	November 1
NINCDS, Field of Chronic Pain.	November 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1, 1980
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects.	June 1, 1980
NIA, The Genetic Basis of Aging: Drosophila as a Model System	November 1
NEY, Research on Macular Disease	November 1
NIAID, RFA: Legionnaires' Disease	November 1
NIEHS, Individual Postdoctoral Fellowships	October 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis.	November 1
NEY: Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Research Applications.	November 1
Individual Postdoctoral Fellowships.	October 1
Institutional Training Applications.	October 1
Academic Investigator Awards	October 1
NIAMDD, New Investigator Research Awards in Diabetes	November 1
NIAMDD, NICHD, NIA, NHLBI, Behavioral Studies Related to Diabetes Mellitus	November 1
NEY, Cataract Research	November 1
NICHD, RFA: Implications of International Migration for the United States.	October 15
NIDR, National Caries Program.	November 1
NIDR, RFA: Research on the Immunological Cross-Reactions Between Streptococcus Mutans and Mammalian Tissues	October 15
Fogarty International Center, Senior International Fellowships.	October 1
Fogarty International Center, Senior International Fellowships in Special Areas: Aging, Arthritis, Diabetes, Epilepsy, Tropical Diseases.	October 1
NINCDS, Modification of Activity of Defined Cerebral Neuronal Populations by Applied Electrical Fields.	November 1
NINCDS, RFA: Program Project for Speech Movement Research Utilizing an X-Ray Microbeam Tracking System	September 15
NHLBI, Specialized Centers of Research in Thrombosis (SCOR).	December 7

National Institutes of Health (cont.)	
NIA, The Genetic Basis of Aging: Protozoa as Models	November 1
NIAID, RFA: New Investigator Research Awards in Tropical Disease	October 15
NIAID, RFA: Asthma and Allergic Disease Centers	October 15
NIDR, RFA: Streptococcal IgA Protase Activity in the Human Oral Cavity.	November 15
NIAID, RFA: Sexually Transmitted Diseases Research Units. .	October 15
NIAMDD, Multipurpose Arthritis Center Grants	October 1
Fogarty International Center, French National Center for Scientific Research Program for Biomedical Scientific Cooperation.	November 1
NINCDS, RFA: Research Center Without Walls for Huntington's Disease (Letter of Intent was requested-- not required--by May 30, 1979)	September 15
NHLBI, Clinical Investigator Awards.	October 1
National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal (Preliminary).	August 15
Small Grant.	August 15
Research on Law and Government in Education, Preliminary Proposals (Final Proposals 2/14/80).	October 18
Health Resources Administration	
Nursing Special Project Grants	November 1
Nursing Research Program Grants.	November 1
Grants for Midsummer Training in Health Administration/ Planning	August 7
Health Care Financing Administration	
Grant Applications	October 1/ April 7, 1980
National Center for Health Services Research	
Research Grants.	Open
Health Services Administration	
Maternal and Child Health and Crippled Children's Services Project Grants.	August 10
Office of Human Development Services: Research and Development	
Projects in Aging, Title IV B.	
Adequacy of Research Instruments in the Spanish Language for Conducting Policy and Program-relevant Research on Hispanic Groups of Older Persons.	November 1
How Do the Characteristics, Requirements, and Resources of Retirement Communities Change Over Time?.	November 1
How Can Federal, State, and Area Agencies on Aging Be Assisted to Make More Effective Use of 1980 Census Data? .	November 1
How Can Neighborhood and Community Organizations Be Assisted to Serve Needs of Older Persons More Effectively?	November 1
How and Why Do Older Workers Seek and Find New Types of Work, Retired Workers?.	November 1
How Can the Experience of Pioneering Businesses Be Used to Assist Other Firms in Dealing With the Mandatory Retirement Law in a Positive Way?.	November 1

Office of Human Development Services (cont.)

What is the Current and Potential Supply/Demand for Different Types of Home Equity Conversion or Reversal Mortgage Plans?	November 1
What is the Effect of Community Revitalization Efforts on Older Persons, Rural Projects?	November 1
What Are the Activities of Health Planning Agencies, and How Do They Coordinate With State and Area Agencies on Aging and Other Organizations in Planning Social Services for the Elderly?	November 1
What Are the Determinants of Elderly Enrollment and Disenrollments in HMO's, and What Are Their Attitudes Toward and Experiences With These Plans?	November 1
What Are the Most Effective Technologies/Mechanisms for Providing Home-Delivered Meals and Meals in Congregate Settings, in Terms of Food Safety, Nutrient Preservation, Food Acceptability and Economy	November 1
What Institutions are Successful in Promoting Programs of Physical Activities, Exercising Practices, Rehabilitation Activities, and Community Linkages for the Institutionalized Older Person?	November 1
What Are the Most Effective Techniques for Reducing Drug Misuse Among the Elderly?	November 1
How Can Community Programs Be Designed to Provide Immediate Intervention and Support to the Elderly Following a "Pivotal Event?"	November 1
To What Extent and In What Ways Have Health and Social Service Agencies Been Successful in Identifying, Recruiting, and Serving the Most Disadvantaged and Hard-to-Reach Elderly?	November 1
To What Extent Have the Activities of the Aging Network Included the Promotion or Provision of Mental Health Services for Older Persons?	November 1
How Might Resource Allocation of Title III Monies Be Improved Through More Efficient Management Strategies By Area Agencies on Aging?	November 1
Special Projects/Community Care Systems and/or Social and Community Services.	November 1
Codification of Research on Minority Older People.	November 1
National Research Conference on Technology and the Aged.	November 1
Child Welfare Research and Demonstration Grants Program.	August 15
Gerontology Career Preparation Program	August 13
Geriatric Fellowship Program	August 13
Minority Research Associate Program.	September 20
Multidisciplinary Genetics of Gerontology Program:	
Long-Term Care Gerontology Centers	August 27
Multidisciplinary Centers of Gerontology Program: Aging Policy Study Centers	September 4
National Continuing Education Program.	August 13
Child Abuse and Neglect, Research on the Needs and Resources for Child Protection in Residential Institutions	October 15
Child Welfare Research and Demonstration Grants.	September 11

Alcohol, Drug Abuse, and Mental Health Administration

Research Grants, New	November 1
Research Grants, Renewals.	October 1
Institutional National Research Service Awards	October 1
Research Career Development.	October 1
Small Grants Program	December 1

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Undergraduate Research Participation (URP)	September
Arctic Research Program.	September 4
Ethics and Values in Science and Technology (EVIST)-- Preliminary Proposals with earliest start date of 6/1/80	September 4
U.S.-Australia Cooperative Science Program (for long-term visits to start between April 1, 1980 and September 30, 1980).	September 4
Unsolicited Research Proposals for the Division of Earth Sciences (Proposed starting dates: June/July 1980)-- Programs include: Geochemistry, Geology, and Geophysics	September 4
Unsolicited Research Proposals for the Division of Policy Research and Analysis (Targeted Funding Date: February 1, 1980)--Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socioeconomic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics	September 4
Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies-- <u>Formal Proposals</u> with the earliest starting date of March 15, 1980.	September 17
U.S.-India Exchange of Scientists (for visits to begin between May 15, 1980 and September 15, 1980)	September 17
Pre-College Teacher Development in Science Program	October
International Travel Grant Program (for <u>Group Travel</u> with starting dates between July 1, 1980 and September 30, 1980; for <u>Individual Travel</u> with starting dates between January 1, 1980 and March 31, 1980).	October 1
Public Understanding of Science (PUOS) Program-- <u>Preliminary Proposals</u> with the earliest starting date of June 1, 1980	October 1
U.S.-Australia Cooperative Science Program (for Seminars with starting dates between July 1, 1980 and December 31, 1980)	October 1
U.S.-New Zealand Cooperative Science Program (for <u>Long-Term Visits</u> with starting dates between June 1, 1980 and November 30, 1980; for <u>Seminars/Workshops</u> with dates between July 1, 1980 and December 31, 1980).	October 1
Local Course Improvement (LOCI) Program (Announcement of Awards: mid-May 1980)	October 3

National Science Foundation (cont.)

Unsolicited Research Proposals for the Mathematical Sciences Section (Proposed Starting Date: Summer 1980)-- Programs include: Algebra and Number Theory; Applied Mathematics and Statistics; Classical Analysis; Geometry, Topology, and Foundations; and, Modern Analysis and Probability.	October 26
Graduate Fellowships	November
National Needs Postdoctoral Fellowships.	November
NATO Postdoctoral Fellowships in Science	November
Physically Handicapped in Science Program.	November
Student-Originated Studies (SOS)	November
E.D. Bergmann Memorial Research Grant (U.S.-Israel Binational Science Foundation)--Award Announced in April 1980	November 1
U.S.-France Exchange of Scientists (Announcement of Awards: mid-March 1980)	November 1
U.S.-Japan Cooperative Science Program (for Seminars with dates between September 1, 1980 and August 31, 1981).	November 1
Unsolicited Research Proposals for the Computer Science Section (Proposed Starting Dates: Summer 1980)--Programs include: Computer Systems Design, Intelligent Systems, Software Engineering, Software Systems, Special Projects, and Theoretical Computer Science	November 1
Comprehensive Assistance to Undergraduate Science Education (CAUSE).	December
Engineering Research Initiation Grants--1980 (Proposed Starting Date: April 15, 1980).	December
Minority Graduate Fellowships.	December
Science Faculty Professional Development Program	December
Science Resources Analyses Program	December
Women in Science Career Workshops.	December
Ethics and Values in Science and Technology (EVIST)-- Formal Proposals with the earliest starting date of June 1, 1980.	December 1
Public Understanding of Science (PUOS) Program--Formal Proposals with the earliest starting date of June 1, 1980	December 1
Scientists and Engineers in Economic Development (SEED) Program (Research/Teaching Grants)--Announcement of Awards: May 1980.	December 1
U.S.-Latin America Cooperative Science Program (Proposed Starting Date: July 1, 1980).	December 1
Unsolicited Research Proposals for the Climate Dynamics Program (Proposed Starting Date: June 1, 1980).	December 1
Unsolicited Research Proposals for the Division of Policy Research and Analysis (Targeted Funding Date of May 1, 1980)--Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socioeconomic Effects of Science and Technology; Technology Assessment; and Cross-Cutting Topics	December 3

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

American Cancer Society	
Junior Faculty Clinical Fellowships.	October 1
Postdoctoral Fellowships	October 1
Junior Faculty Research Awards	October 1
Faculty Research Awards.	October 1
Scholars in Cancer Research.	October 1
Research Development Program	No Deadline
Research and Clinical Investigation Grants	November 1
American Council of Learned Societies	
Fellowships and Research Fellowships	September 30
Study Fellowships.	November 15
American Diabetes Association	
Minnesota Affiliate--Research Grants	October 9
American Heart Association	
Teaching Scholarship Awards.	September 5
Grants-in-Aid.	October 1
American Heart Association--Minnesota Affiliate	
Grants-in-Aid.	November 15 for November 30
Postdoctoral Research Fellowships.	November 1 for November 15
Burroughs Wellcome Fund	
Clinical Pharmacology Award.	October 1
Cystic Fibrosis Foundation	
Student Traineeships	October 1
Research Fellowships	September 1
Research Scholar Awards.	September 1
Research Grants.	September 1
Clinical Fellowships	October 1
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research.	September 15
IREX--Travel and Study Grants (all with exchange countries).	September 30
Juvenile Diabetes Foundation	September 10
Leukemia Society of America	
Scholar Program.	October 1
Special Fellow Program	October 1
Fellow Program	October 1
Macy (Josiah, Jr.) Foundation	
Faculty Scholar Award Program (Schools of Medicine and Public Health)	October 1
Minnesota Humanities Commission.	September 15 & November 15
Minnesota Medical Foundation	September 30
National Foundation--March of Dimes	
Research Grants: Basic.	October 1
Social and Behavioral Sciences	September 1
National Fund for Medical Education Grants	October 1

Noyes Foundation
 Grants on Population and Environment Interaction September 1

NRTA-AARP Andreas Foundation
 Research in Gerontology (Call Foundation before applying)

Orthopedic Research Foundation Grants October 1

Pharmaceutical Manufacturers Association Foundation, Inc.
 Faculty Award in Clinical Pharmacology October 1
 Faculty Award in Basic Pharmacology. October 1
 Fellowships in Clinical Pharmacology October 1
 Research Starter Grants. September 1
 Fellowships for Advanced Predoctoral Training. September 15

Rockefeller Foundation Humanities Fellowships. October 1

United Cerebral Palsy Research and Educational Foundation, Inc.
 Research Grants. September 1

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORADDC Newsletter

Published Jointly by the Office of Research Administration and the Research Development Center

September, 1979

Volume IX/No. 3

NEW FRINGE BENEFIT RATES

Effective July 1, 1979 through December 31, 1979 the following rates will be applicable for billing purposes:

	Academic %	Civil Service %
Health Plan	3.7733	7.3615
Unemployment Compensation	.0227	.1339
Workers Compensation	.1689	.6483
Group Life	.0020	.0372
Faculty Retirement	11.0299	-----
M.S.R.S.	-----	6.0000
F.I.C.A.	5.0533	6.1032
Total of Rates for Billing Purposes:	20.0501	20.2841
Estimated rates to be used for budgeting after 12/31/79	21.0	21.0
6/30/80	22.0	22.0

COST SHARING BY EDUCATIONAL INSTITUTIONS

In implementing the statutory requirement, appearing in various NASA Appropriations

Acts, for cost sharing of research resultant from unsolicited proposals, NASA has, over the years, generally required that educational institutions share in the cost of such research. This requirement was derived from our understanding that there was generally extant a "mutuality of interest" (as that phrase appears in the statutes) in such relationships thereby bringing into play the cost-sharing requirement.

NASA Headquarters office and the University Affairs office have reassessed NASA cost-sharing practices as they pertain to agreements with educational institutions and believe new direction is desirable and consistent with legislative intent. Since the activities of educational institutions under NASA research grants, cooperative agreements, and contracts do not generally produce benefits that can be measured as having significance apart from the benefit intrinsic in conducting research for NASA, such agreements should, in such instances, not be subject to the cost-sharing requirement. Applicable NASA issuances will be revised as appropriate.

OCT. 1 DUE DATE FOR LONG-TERM
VISITS UNDER U.S.-NEW ZEALAND
PROGRAM

Long-term visits (6-12 months)
enable U.S. scientists to visit
New Zealand to conduct research
in collaboration with New Zealand

scientists at a research center or laboratory that provides unique opportunities for the U.S. investigator. Interested U.S. scientists should correspond directly with their New Zealand colleagues to establish and coordinate objectives and the proposed visit. Funds available may include a maximum stipend and fringe benefit allowance of \$1,500 per month, up to three round-trip jet-economy fares, air freight shipment of personal and professional materials, and \$200 for the applicant's institution, in lieu of indirect costs.

Starting dates are between June 1, 1980 and November 30, 1980. For additional information contact: Alan Milsap, Program Manager, U.S.-New Zealand Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D.C. 20550; or call (202) 632-5806.

OCT. 3 CLOSING DATE FOR LOCAL
COURSE IMPROVEMENT (LOCI)
PROPOSALS

Local Course Improvement (LOCI) Program
seeks to improve the capabilities
of schools, colleges, and univer-
sities for education and research

training in the sciences and to strengthen one or more institutional resources so that citizens (whether scientists or not) can most beneficially use science both at work and in their personal lives. The program will provide awards on a competitive basis for individual or small groups of science faculty members to make relatively short-term concentrated efforts at changing their undergraduate science instructional programs. The program is intended to provide a grant mechanism and consequent motivation for quality undergraduate science teaching analogous to that already in existence for quality research. Proposals will be accepted from any university, 4-year or 2-year colleges in the U.S. or its territories that offers instruction in the sciences at the undergraduate level. Up to \$25,000, on a 2:1 matching basis, is available under this program.

For additional information contact: John L. Snyder, Program Director, Local Course Improvement Program, Division of Science Education Resources Improvement, National Science Foundation, Washington, D.C. 20550; or call (202) 632-7751.

INTERNATIONAL TRAVEL GRANT
APPLICATIONS DUE OCT. 1

The next quarterly due date for
the International Travel Grant
Program is October 1 (for

individual travel to start on or after January 1, 1980; group travel on or after July 1, 1980). The program provides centralized funding to enable U.S. scientists to participate in international

scientific meetings held abroad for the purpose of (1) obtaining and exchanging science information and (2) professional development. Group travel awards require a formal proposal; individual awards must be submitted on the new Application for International Travel (NSF Form 192, 2/79). Contact Judy Krzyzck at 373-2784 for program announcement NSF 79-5; for further information contact: Mildred Bosilevac, Assistant Program Manager, International Travel Grant Program, Division of International Programs, National Science Foundation, Washington, D.C. 20550; or call (202) 632-4178.

PRELIMINARY PROPOSALS FOR
PUBLIC UNDERSTANDING OF
SCIENCE DUE OCTOBER 1

The Public Understanding of Science (PUOS) Program seeks to improve the scope, quality, and quantity of communication between scientists

and nonscientists, and to facilitate and improve the processes of public communication about science. To achieve these objectives, proposals are encouraged with the following characteristics: high cost-effectiveness; effective communication to a substantial and significant audience; importance that goes beyond specialized or parochial interests, either in the scope of the proposal itself or in its potential transferability and extension to larger purposes; target audiences that are not effectively reached by existing information education programs; and, use of innovative modes of communications. Formal proposals are due December 1, 1979 (proposed starting date is June 1, 1980).

For further information contact: George W. Tressel, Program Director, Public Understanding of Science Program, Office of Science and Society, National Science Foundation, Washington, D.C. 20550; or call (202) 282-7770.

SEMINAR PROPOSALS FOR U.S.-
AUSTRALIA PROGRAM DUE OCT. 1

Formal seminar/workshop proposals are now being accepted until October 1 to enable small groups

of U.S. and Australian scientists to exchange information on common research problems and to coordinate research efforts between July 1, 1980 and December 31, 1980. Proposals are considered only in cases where the meeting is a separate and discrete entity that has been initiated and developed from the outset with bilateral input from both a U.S. and an Australian organizer. Simultaneous submission of proposals is required from both sides to their respective organizations for funding.

For additional information contact: Alan Milsap, Program Director, U.S.-Australia Cooperative Science Program, Division of International Programs, National Science Foundation, Washington, D.C. 20550; or call (202) 632-5806.

BIOMEDICAL RESEARCH DEVELOPMENT
GRANT PROGRAM

The Division of Research Resources, National Institutes of Health, plans to accept no additional applications for the Biomedical Research Development Grant Program in 1980 or thereafter. Applications will be accepted through the next deadline of October 1, 1979. Currently active grants, and new awards made following the next review, will continue to be funded through the full period of approved support.

Biomedical Research Development Grants are competitive institutional awards to strengthen and/or expand health-related research for the purpose of improving training for clinical professions or health-related research, or both. Training per se is not supported. The program is not intended to increase the number of persons being trained, but it is expected to result in high quality health-related research and to improve the quality of training in health fields. The focus of the program is health research development, and it is not an alternative to other PHS research grant programs.

Eligibility is limited to nonprofit institutions in the United States and its territories which, during the latest 12-month period ending September 30 immediately prior to the October 1 deadline for submission of applications, will have received less than \$200,000 (direct and indirect costs) in PHS research grants; also, eligible institutions must be engaged in the training of health or health research manpower.

Further information may be obtained from: Biomedical Research Development Grant Program, Division of Research Resources, Room 5B23, Building 31, National Institutes of Health, Bethesda, Maryland 20205; or call (301) 496-6743.

RESEARCH SUPPORT FOR COMPUTERS
IN MEDICINE, NATIONAL LIBRARY
OF MEDICINE

National Library of Medicine (NLM) plans to continue its computer-in-medicine program which was initiated in fiscal

year 1979. NLM plans to fund several additional projects in FY 1980. Areas of interest include, but are not limited to, artificial intelligence in clinical decision-making, human and machine languages in computer systems, retrieval mechanisms for medical knowledge data bases, computer-student interaction in health education, human cognition and machine-assisted learning, improved man-machine interfaces, and behavioral implications of access to major automated information and communication systems. It is expected that these research activities will result in important contributions to the literature, to the dissemination into practice of theoretical discoveries, and to the cohesiveness of the health computer sciences field. NLM-sponsored studies are intended as scientific investigations to gain new knowledge;

consequently, primary engineering development leading to new devices or equipment would be less relevant to the program goals.

Complete application materials and further information may be obtained from ORA, 373-5925. Due date is November 1, 1979.

RESEARCH FELLOWSHIPS TO SWEDEN,
SWITZERLAND, AND FRANCE

The Fogarty International Center, NIH, has been asked to announce that the Swedish Medical Research

Council, the Swiss National Science Foundation, and the French National Institute of Health and Medical Research (INSERM) each will make available in 1980 several postdoctoral research fellowships to qualified U.S. biomedical scientists. These fellowships will provide training in basic or clinical medical research.

Application materials may be obtained from the Scholars and Fellowships Program Branch, Fogarty International Center, NIH. The final receipt date of completed applications for the Swiss and Swedish programs will be February 1, 1980. The receipt date for the French program will be December 1, 1979. Applications will be reviewed for scientific merit at the Fogarty International Center. They will be forwarded to the appropriate countries for final selection.

REVISED INSTRUCTIONS FOR
COMPLETION OF RESEARCH
GRANT APPLICATIONS, PHS KIT 398

The Division of Research Grants has issued revised instructions to be incorporated immediately for all applicants submitting

grant proposals on a PHS 398 kit. A revised version of the application form is in process; however, until available, applicants are requested to follow instructions noted in NIH Guide, Volume 8, No. 10, July 23, 1979. Complete copy may be obtained from ORA, 373-5925.

PROPOSALS INVOLVING
RECOMBINANT DNA

The current NIH Guidelines for Research Involving Recombinant DNA Molecules, The Administrative

Practices Supplement, and announcements of modifications and changes to the Guidelines are available from the Office of Recombinant DNA Activities, National Institutes of Health, Bethesda, Maryland 20205. All research involving recombinant DNA techniques which is supported by the NIH must meet the requirements of these Guidelines, which were developed in response to the concerns of the scientific and the lay communities about the possible effects of recombinant DNA research. Their purpose is to specify practices for the construction and handling of recombinant DNA molecules and organisms

or viruses containing recombinant DNA. As defined by the Guidelines "recombinant DNA" corresponds to (1) molecules which are constructed outside living cells by joining natural or synthetic DNA segments to DNA molecules that can replicate in a living cell; or (2) DNA molecules which result from the replication of a molecule described in (1) above.

Several types of studies involving recombinant DNA are exempt from the Guidelines while others are prohibited. For the remainder it is required that the applicant organization shall establish and implement policies that provide for the safe conduct of the research in full conformity with the Guidelines. This responsibility includes establishing an Institutional Biosafety Committee to review all recombinant DNA research to be conducted at or sponsored by the applicant organization, and to approve those projects it finds are in conformity with the Guidelines. For each approved project, a valid Memorandum of Understanding and Agreement shall be submitted for review by the NIH Office of Recombinant DNA Activities. The Memorandum of Understanding and Agreement is considered approved after acceptance by the NIH Office of Recombinant DNA Activities.

Grant application forms are being revised to include a check block indicating whether or not recombinant DNA research subject to NIH Guidelines is involved. Until such time as these forms are available, the applications concerned should show in capital letters at the bottom of the first page "THIS APPLICATION INVOLVES RECOMBINANT DNA RESEARCH SUBJECT TO NIH GUIDELINES." Labeling the face page of the application will assist in expediting the processing of the application.

Do not submit a Memorandum of Understanding and Agreement until it is solicited by an appropriate NIH staff member.

RESEARCH PATIENT CARE COSTS
SUPPORTED BY NIH SPONSORED
AGREEMENTS

NIH has issued specific guidelines in the management of sponsored agreements that provide funds for the support of research patient

care activities. The policy is effective for all grants having budget period dates beginning on and after July 1, 1979 and for all contracts awarded on or after July 1, 1979.

The policy is very detailed and may be found in the NIH Guide, Volume 8, No. 9, July 6, 1979; or a copy may be obtained from ORA at 373-5925.

RESEARCH CENTER WITHOUT WALLS
FOR HUNTINGTON'S DISEASE--
REVISED DEADLINE

Due to the large response to
the Request for Applications
for the Huntington's Disease
Centers Without Walls, NIH

Guide for Grants and Contracts, Volume 8, No. 5, April 18, 1979,
the NINCDS Scientific Evaluation Branch has decided that there is
insufficient time to review and site visit applicants before
the scheduled January, 1980 meeting of the National Advisory
Council of the National Institute for Neurological and Communi-
cative Disorders and Stroke. Since each application deserves
a thorough and thoughtful review, proposals will be considered
at the May 1980 Council meeting. This means that funding cannot
begin for those selected until July 1, 1980.

The receipt deadline for applications has also been extended from
September 15, 1979 to October 15, 1979. If applicants have any
questions, call or write: Dr. Nancy S. Wexler, Health Scientist
Administrator, Room 714, Federal Building, 7550 Wisconsin Avenue,
Bethesda, Maryland 20205, telephone (301) 496-1431.

REVISED SCHEDULE: Application Deadline--October 15, 1979; Advisory
Council Consideration--May 22-24, 1980.

URBAN DEVELOPMENT RESEARCH--AID Urban Development Research of
the Agency for International
Development (AID) supports disciplines in Urban and Regional
Planning, Urban and Regional Economics, Sociology, Labor
Economics, Social Sciences and City Management. Eligible are
any university, research foundation, or other public or private,
profit or non-profit organization. A publication entitled
"Contract Program in Centrally Funded Research" is available
from the Office of Program, Bureau of Development Support,
AID, Department of State, Washington, D.C. 20523. Informal
inquiries regarding AID research interests are welcomed.
Unsolicited proposals should be addressed to: Office of Urban
Development, Bureau for Development Support, AID, Department
of State, Washington, D.C. 20523; telephone (703) 235-9062.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic
department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to
ORA at 373-5925.

National Institutes of Health

Research Grants, new November 1

National Institutes of Health (continued)

Research Grants, renewals.	October 1
NIAMDD, Core Center Grant Award, Diabetes (Letter of Intent Requested by 7/1/79).	October 1
NIAMDD, Clinical Nutrition Research Centers (Letter of Intent Requested by 7/1/79).	October 1
NIAMDD/NHLBI/NIA/NIAID/NICHD/NINCDS: Studies on Overnutrition and Obesity.	October 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	November 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	November 1
NIAMDD, Metabolic Diseases Program	November 1
NIAMDD, Research Interests in Skin Diseases.	November 1
NIAMDD, Research Interests in Endocrinology.	November 1
NIAMDD, Research Interests in Arthritis.	November 1
NIAMDD, Research Interests in Musculoskeletal Diseases	November 1
NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition.	November 1
NEY, Research on Cannabinoids in the Treatment of Glaucoma	November 1
NEY, Research on Retinal and Choroidal Disease Program	November 1
NINCDS, Field of Chronic Pain.	November 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1, 1980
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects.	June 1, 1980
NIA, The Genetic Basis of Aging: Drosophila as a Model System	November 1
NEY, Research on Macular Disease	November 1
NIAID, RFA: Legionnaires' Disease	November 1
NIEHS, Individual Postdoctoral Fellowships	October 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis.	November 1
NEY: Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Research Applications.	November 1
Individual Postdoctoral Fellowships.	October 1
Institutional Training Applications.	October 1
Academic Investigator Awards	October 1
NIAMDD, New Investigator Research Awards in Diabetes	November 1
NIAMDD, NICHD, NIA, NHLBI, Behavioral Studies Related to Diabetes Mellitus	November 1
NEY, Cataract Research	November 1
NICHD, RFA: Implications of International Migration for the United States.	October 15
NIDR, National Caries Program.	November 1
NIDR, RFA: Research on the Immunological Cross-Reactions Between Streptococcus Mutants and Mammalian Tissues	October 15
Fogarty International Center, Senior International Fellowships.	October 1

National Institutes of Health (continued)

Fogarty International Center, Senior International Fellowships in Special Areas: Aging, Arthritis, Diabetes, Epilepsy, Tropical Diseases.	October 1
NINCDS, Modification of Activity of Defined Cerebral Neuronal Populations by Applied Electrical Fields.	November 1
NINCDS, RFA: Program Project for Speech Movement Research Utilizing an X-Ray Microbeam Tracking System	September 15
NHLBI, Specialized Centers of Research in Thrombosis (SCOR).	December 7
NIA, The Genetic Basis of Aging: Protozoa as Models	November 1
NIAID, RFA: New Investigator Research Awards in Tropical Disease	October 15
NIAID, RFA: Asthma and Allergic Disease Centers	October 15
NIDR, RFA: Streptococcal IgA Protase Activity in the Human Oral Cavity.	November 15
NIAID, RFA: Sexually Transmitted Diseases Research Units.	October 15
NIAMDD, Multipurpose Arthritis Center Grants	October 1
Fogarty International Center, French National Center for Scientific Research Program for Biomedical Scientific Cooperation.	November 1
NINCDS, RFA: Research Center Without Walls for Huntington's Disease (Letter of Intent was requested--not required--by May 30, 1979) "Revised Date".	October 15
NHLBI, Clinical Investigator Awards.	October 1
NLM, Research Support For Computers in Medicine.	November 1
NIAID, New Investigator Research Grant in Clinical Immunology and Virology.	November 1
NIAMDD, DTRC Exploratory Grants.	October 1
NIA, Immunology Program--Molecular and Biochemical Program: Research Grants.	November 1
Individual Fellowships	October 1
Training Grants.	October 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program	November 1
NICHHD, Maternal Smoking and Pregnancy Outcome.	November 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	November 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies.	October 1
NINCDS, Individual Postdoctoral Fellowships, Clinical Research in Otolaryngology	October 1
NINCDS, Individual Postdoctoral Fellowships, Speech and/or Language Disorders in Children	October 1
NIDR, Fluoride Research Grants	November 1
Biomedical Research Development Program.	October 1
RFA: Domestic Squirrel Monkey Breeding.	October 15
NIEHS, Mid-Career Development Award--Environmental Toxicology	October 1
NIA/NIAID/NIAMDD/NICHHD/NCI/NIDR/NIEHS/NEY/NIGMS/NHLBI/ NINCDS/DRR: National Research Service Awards for Senior Fellows	October 1

National Institutes of Health (continued)	
NHLBI, Effects of Smoking on the Blood and Cardiovascular and Respiratory Systems.	November 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent by November 1)	February 1
NIAMDD, Clinical Investigator Awards	October 1
National Institute of Education	
Grants for Research on Organizational Processes:	
Full Proposal (Preliminary).	December 17
Small Grant.	December 17
Research on Law and Government in Education, Preliminary Proposals (Final Proposals 2/14/80).	October 18
Unsolicited Proposals to Conduct Educational Research and Development	December 31
Health Resources Administration	
Nursing Special Project Grants	November 1
Nursing Research Program Grants.	November 1
Health Careers Opportunity Program	January 4
Health Care Financing Administration	
Grant Applications	October 1/ April 7, 1980
National Center for Health Services Research	
Research Grants.	Open
Health Services Administration	
Office of Human Development Services	
Research and Development Projects in Aging, Title IV B.	
Adequacy of Research Instruments in the Spanish Language for Conducting Policy and Program-relevant Research on Hispanic Groups of Older Persons.	November 1
How Do the Characteristics, Requirements, and Resources of Retirement Communities Change Over Time?.	November 1
How Can Federal, State, and Area Agencies on Aging Be Assisted to Make More Effective Use of 1980 Census Data?	November 1
How Can Neighborhood and Community Organizations Be Assisted to Serve Needs of Older Persons More Effectively?	November 1
How and Why Do Older Workers Seek and Find New Types of Work, Retired Workers?.	November 1
How Can the Experience of Pioneering Businesses Be Used to Assist Other Firms in Dealing With the Mandatory Retirement Law in a Positive Way?.	November 1
What is the Current and Potential Supply/Demand for Different Types of Home Equity Conversion or Reversal Mortgage Plans?.	November 1
What is the Effect of Community Revitalization Efforts on Older Persons, Rural Projects?.	November 1
What Are the Activities of Health Planning Agencies, and How Do They Coordinate With State and Area Agencies on Aging and Other Organizations in Planning Social Services for the Elderly?	November 1
What Are the Determinants of Elderly Enrollment and Disenrollments in HMO's, and What Are Their Attitudes Toward and Experiences With These Plans?	November 1

Health Services Administration (continued)

What Are the Most Effective Technologies/Mechanisms for Providing Home-Delivered Meals and Meals in Congregate Settings, in Terms of Food Safety, Nutrient Preservation, Food Acceptibility and Economy	November 1
What Institutions are Successful in Promoting Programs of Physical Activities, Exercising Practices, Rehabilitation Activities, and Community Linkages for the Institutionalized Older Person?	November 1
What Are the Most Effective Techniques for Reducing Drug Misuse Among the Elderly?	November 1
How Can Community Programs Be Designed to Provide Immediate Intervention and Support to the Elderly Following a "Pivotal Event?"	November 1
To What Extent and In What Ways Have Health and Social Service Agencies Been Successful in Identifying, Recruiting, and Serving the Most Disadvantaged and Hard-to-Reach Elderly?	November 1
To What Extent Have the Activities of the Aging Network Included the Promotion or Provision of Mental Health Services for Older Persons?	November 1
How Might Resource Allocation of Title III Monies Be Improved Through More Efficient Management Strategies By Area Agencies on Aging?	November 1
Special Projects/Community Care Systems and/or Social and Community Services.	November 1
Codification of Research on Minority Older People.	November 1
National Research Conference on Technology and the Aged.	November 1
Child Abuse and Neglect, Research on the Needs and Resources for Child Protection in Residential Institutions	October 15
Child Welfare Research and Demonstration Grants.	September 11
Minority Research Associate Program.	September 20
Alcohol, Drug Abuse, and Mental Health Administration	
Research Grants, New	November 1
Research Grants, Renewals.	October 1
Institutional National Research Service Awards	October 1
Research Career Development.	October 1
Small Grants Program	December 1
U.S. Office of Education	
Educational Opportunity Centers.	October 31
Special Services for Disadvantaged Students.	October 22
Talent Search.	October 31
Upward Bound	October 12
Handicapped, Student Research, 13.443A	October 12
Handicapped, Field Initiated Research, 13.443C	October 31
Handicapped, Personnel Preparation Program, 13.451: Continuation	September 17
New.	October 15

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Pre-College Teacher Development in Science Program	October
International Travel Grant Program (for <u>Group Travel</u> with starting dates between July 1, 1980 and <u>September 30, 1980</u> ; for <u>Individual Travel</u> with starting dates between January 1, 1980 and March 31, 1980).	October 1
Public Understanding of Science (PUOS) Program-- <u>Preliminary Proposals</u> with the earliest starting date of <u>June 1, 1980</u>	October 1
U.S.-Australia Cooperative Science Program (for <u>Seminars</u> with starting dates between July 1, 1980 and December 31, 1980)	October 1
U.S.-New Zealand Cooperative Science Program (for <u>Long-Term Visits</u> with starting dates between June 1, 1980 and <u>November 30, 1980</u> ; for <u>Seminars/Workshops</u> with dates between July 1, 1980 and <u>December 31, 1980</u>).	October 1
Local Course Improvement (LOCI) Program (Announcement of Awards: mid-May 1980)	October 3
Unsolicited Research Proposals for the Mathematical Sciences Section (Proposed Starting Date: Summer 1980)-- Programs include: Algebra and Number Theory; Applied Mathematics and Statistics; Classical Analysis; Geometry, Topology, and Foundations; and, Modern Analysis and Probability (<u>Approximate Target Date</u>).	October 26
Graduate Fellowships	November
National Needs Postdoctoral Fellowships.	November
NATO Postdoctoral Fellowships in Science	November
Physically Handicapped in Science Program.	November
Student-Originated Studies (SOS)	November
E.D. Bergmann Memorial Research Grant (U.S.-Israel Binational Science Foundation)--Award announced in April 1980	November 1
U.S.-France Exchange of Scientists (Announcement of Awards: mid-March 1980)	November 1
U.S.-Japan Cooperative Science Program (for <u>Seminars</u> with dates between September 1, 1980 and <u>August 31, 1981</u>).	November 1
Unsolicited Research Proposals for the Computer Science Section (Proposed Starting Dates: Summer 1980)--Programs include: Computer Systems Design, Intelligent Systems, Software Engineering, Software Systems, Special Projects, and Theoretical Computer Science	November 1
Comprehensive Assistance to Undergraduate Science Education (CAUSE).	December
Engineering Research Initiation Grants--1980 (Proposed Starting Date: April 15, 1980).	December
Minority Graduate Fellowships.	December
Science Faculty Professional Development Program	December
Science Resources Analyses Program	December
Women in Science Career Workshops.	December

National Science Foundation (continued)

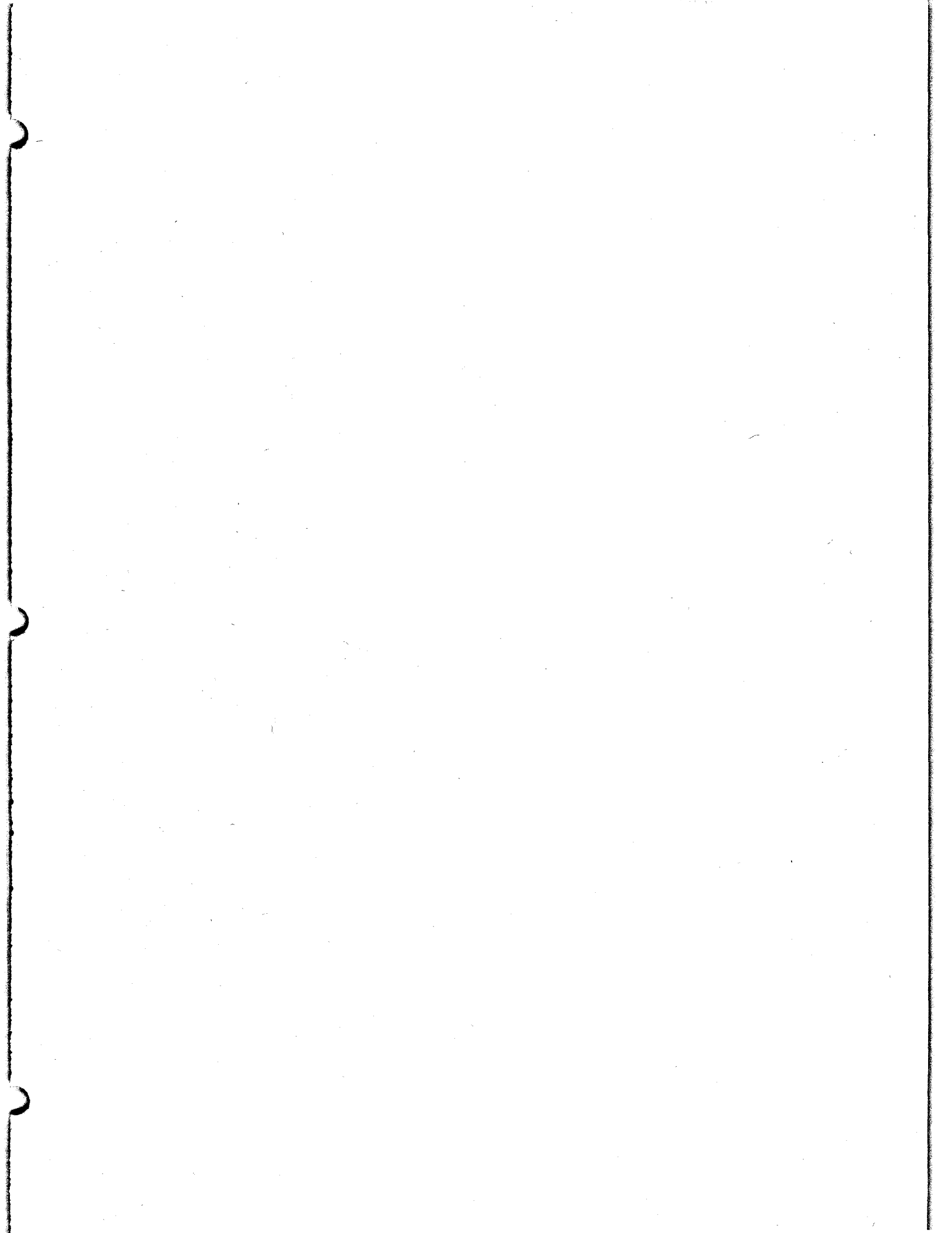
- Ethics and Values in Science and Technology (EVIST)--
Formal Proposals with the earliest starting date
of June 1, 1980. December 3
- Public Understanding of Science (PUOS) Program--Formal
Proposals with the earliest starting date of
June 1, 1980 December 3
- Scientists and Engineers in Economic Development (SEED)
 Program (Research/Teaching Grants)--Announcement of
 Awards: May 1980. December 3
- U.S.-Latin America Cooperative Science Program (Proposed
 Starting Date: July 1, 1980). December 3
- Unsolicited Research Proposals for the Climate Dynamics
 Program (Proposed Starting Date: June 1, 1980). December 3
- Unsolicited Research Proposals for the Division of
 Policy Research and Analysis (Targeted Funding Date of
 May 1, 1980)--Areas of Interest include: Environment,
 Energy, and Resources; Innovation Processes and their
 Management; Socioeconomic Effects of Science and
 Technology; Technology Assessment; and Cross-
 Cutting Topics December 3
- Minority Institutions Science Improvement Program (MISIP)--
 Announcement of Awards: May 1980. December 4
- Unsolicited Research Proposals for the Oceanography
 Section, Division of Ocean Sciences (Proposed Starting
 Date: June 1, 1980)--Programs include: Biological
 Oceanography, Marine Chemistry, Physical Oceanography,
 and Submarine Geology and Geophysics December 31
- Information Dissemination for Science Education (IDSE) January
- Minority Institutions Graduate Traineeships. January
- Ethics and Values in Science and Technology (EVIST)--
 Preliminary Proposals with the earliest starting date
 of October 1, 1980 January 1
- International Travel Grant Program (for Group Travel with
 starting dates between October 1, 1980 and December 31,
 1980; for Individual Travel with starting dates between
 April 1, 1980 and June 30, 1980) January 1
- Science for Citizens (SFC) Forums, Conferences, Workshops,
 and Planning Studies--Preliminary Proposals with the
earliest starting date of September 15, 1980 January 15

PRIVATE

Questions regarding the following deadlines should be referred to ORA
 at 373-0773:

- American Cancer Society
- Junior Faculty Clinical Fellowships. October 1
- Postdoctoral Fellowships October 1
- Junior Faculty Research Awards October 1
- Faculty Research Awards. October 1
- Scholars in Cancer Research. October 1
- Research Development Program No Deadline

American Cancer Society (continued)		
Research and Clinical Investigation Grants	November 1	
Institutional Research Grants.	November 1	
American Council of Learned Societies		
Study Fellowships.	November 15	
Chinese Studies and Fellowships.	December 1	
East European Studies.	December 1	
Grants-in-Aid.	December 15	
American Diabetes Association		
Young Investigator Award	November 15	
American Diabetes Association--Minnesota Affiliate		
Research Grants.	October 9	
American Heart Association		
Grants-in-Aid.	October 1	
American Heart Association--Minnesota Affiliate		
Grants-in-Aid.	November 15	
	for November 30	
Postdoctoral Research Fellowships.	November 1	
	for November 15	
American Lung Association		
Research Grants.	December 1	
Fellowships.	October 1	
Burroughs Wellcome Fund		
Clinical Pharmacology Award.	October 1	
Cystic Fibrosis Foundation		
Student Traineeships	October 1	
Clinical Fellowships	October 1	
Exxon Education Foundation		Anytime
Leukemia Society of America		
Scholar Program.	October 1	
Special Fellow Program	October 1	
Fellow Program	October 1	
Macy (Josiah, Jr.) Foundation		
Faculty Scholar Award Program (Schools of Medicine and Public Health)	October 1	
Minnesota Humanities Commission.		November 15
Minnesota Medical Foundation		December 31
National Foundation--March of Dimes		
Research Grants: Basic.	October 1	
National Fund for Medical Education Grants		October 1
National Kidney Foundation--Research Fellowships		October 1
Orthopedic Research Foundation Grants.		October 1
Pharmaceutical Manufacturers Association Foundation, Inc.		
Faculty Awards in Clinical or Basic Pharmacology	October 1	
Fellowships in Clinical Phamacology.	October 1	
Rockefeller Foundation		
Humanities Fellowships	October 1	
Runyon-Winchell Cancer Fund Fellowships.		December 15
National Foundation for Jewish Culture		December 31
Sage (Russell) Foundation--Residencies in Law and Social Science		Anytime
Technicon Instrument Corporation		
Preliminary.	Anytime	
Requested Final.	December 14	



Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORA RDC Newsletter

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October, 1979

Volume IX/No. 4

NEW PRINCIPAL INVESTIGATOR'S MANUAL

The Office of Research Administration has begun a complete revision of the Principal Investigator's Manual which

was last issued in 1972. It is hoped that this revised manual, and an accompanying loose-leaf administrative manual which will bring together current policy and procedure statements as well as current cost rates, will be extremely helpful to faculty and departmental personnel. The need for such a new manual has been identified as a high priority by ORA and by many faculty members for some time. Tom Olson of ORA has been assigned full-time responsibility for preparing these materials. It is hoped that distribution will take place early in 1980. Comments and suggestions regarding materials for inclusion and format are welcomed from faculty and staff.

OFFICE OF INTERNATIONAL PROGRAMS DEADLINE INFORMATION

The Office of International Programs (OIP) has information on fellowships and grant programs which support

international activities and deadline dates for application. For further information, please contact OIP at 373-3793.

A.I.D. OFFERS ENGINEERING SUPPORT

The Agency for International Development (AID) provides engineering

support to AID missions abroad in Africa, Asia, Latin America and the Caribbean, and the Near East. Support is provided to disciplines in civil engineering, chemical engineering, electrical engineering, transportation engineering and telecommunications. Any public or private, profit or non-profit organization is eligible to apply. Proposals may only be sent in response to solicitations appearing in Commerce Business Daily. A publication entitled "Contract Program in Centrally Funded Research" is available from the Office of Program, Bureau of Development Support, AID, Department of State, Washington, D.C. 20523.

FACULTY DEVELOPMENT PROJECTS IN
ENERGY EDUCATION 1980

The U.S. Department of Energy,
Faculty Development Projects
in Energy Education 1980, supports

summer or in-service workshops which will provide teachers with meaningful, informed instruction relating to energy and its societal implications. The resulting improvement of energy education in the nation's schools will contribute to the judicious and orderly development and use of energy resources and the development of qualified personnel for energy related vocations. Three types of projects will be supported: summer workshops for postsecondary teachers; summer workshops for high school teachers; and in-service workshops for elementary and/or junior high school teachers.

Eligible applicants are colleges, universities, community colleges, or two-year postsecondary technical institutions. For FY 1980, approximately \$1,400,000 will be available. Of this, one half will be reserved for four year colleges and universities, with the rest going to community colleges and postsecondary technical institutions. These funds will support \$1.2 million for summer workshops, and \$200,000 for in-service workshops. Summer workshops may have a maximum of \$30,000 and one year duration, while in-service workshops grants will be for a maximum \$10,000 and 1 year in duration.

For more information contact: Bruce Bakaysa, Office of Education, Business and Labor Affairs, Education Programs Division, Department of Energy, Mail Stop 8G-031, Washington, D.C. 20585, telephone (202) 376-9819.

RESEARCH AND TRAINING IN
URBAN TRANSPORTATION

A limited number of grants are available to accredited institutions of higher learning to conduct research

and professional training in urban transportation analysis, planning, engineering and operations. Applications for these awards, which will not exceed \$70,000 for Project Grants and \$290,000 over a three-year period for Program Grants, must be submitted to Department of Transportation by December 3.

This program seeks to: (1) promote research and training which will be relevant to the programmatic needs of the Urban Mass Transportation Administration (UMTA) and which will strengthen state and local capability to plan, design, build and operate transportation systems and services; (2) encourage increased interactions between universities and local transportation and planning agencies on matters of local transportation concern; (3) encourage universities to become a source of ongoing advice, observation and evaluation with respect to transportation plans and projects in their own communities, and to serve as a mechanism for the exchange of experience with other cities and transit entities; (4) assist in training of individuals already engaged in professional activities in public transportation; and (5) attract more of the nation's young talent into careers in public transportation.

Applicants may propose projects which include: (1) major research activities involving a team of faculty and students; (2) research involving the cooperation of university researchers with local public agencies and/or transit operators; or (3) specialized training courses or university-based seminars, conferences or workshops.

Project Grants. UMTA is inviting applications for two different types of awards, Project Grants and Program Grants. Project Grants should be limited to one of the following research topic areas: (1) transportation analysis, planning and evaluation methods; (2) transportation/urban development interactions; (3) transportation financing and pricing; (4) transportation system management; (5) improving transportation in center cities; (6) transportation and energy conservation; (7) transportation for elderly and handicapped persons; (8) long range directions for urban public transportation; (9) automated guideway transit systems; (10) state-of-the-art reviews; and (11) consumer issues. Applicants will be evaluated according to: relevance of the proposed research or training to solution of important transportation problems and to the mission and needs of UMTA; professional merit of the proposed research or training; professional qualifications of principal investigator(s) and supporting staff; and applicability of the research results to theory or practice.

Program Grants. Program Grants are intended to support a combination of activities as part of a comprehensive and continuing program of urban transportation research, education and training at a small number of institutions. UMTA awarded three of these grants during fiscal year 1979 and expects to award two during FY 1980 and one during FY 1981. Initial grants can be for activities to occur during a three-year period, with subsequent funding predicated upon satisfactory performance and availability of funds.

Program Grants must address one or more of the topic areas listed above, and applications will be evaluated according to the same criteria described for Project Grants as well as: merit of non-research activities proposed; qualifications of principal persons involved in non-research activities; reasonableness of costs estimated for each element of the program; proposed management of the grant; role of students in grant activities; plans for involvement of minorities and women in the program; prior urban transportation related research, education and training activities at the institution; long-term commitment of the institution to research, education and training in the field of urban transportation; present and future urban transportation education programs and plans, including specific course identification; and scope and nature of specifically planned interactions with local urban transportation agencies.

A portion of the funds under this UMTA program will be available for support of qualified applicants from minority and women's colleges and universities. For copies of the FY 1980 Annual Announcement, contact: DOT, UMTA, Office of Policy Research, UPP-30, University Research and Training Program, 400 Seventh Street, S.W., Washington, D.C. 20590. Telephone: (202) 426-0080.

SUBMISSION OF PROPOSALS TO THE
DIVISION OF BEHAVIORAL AND
NEURAL SCIENCES

The seven programs of the NSF's Division of Behavioral and Neural Sciences accept proposals at any time. Applicants should allow at least eight months between the date of submission and the requested effective date. Most proposals will be reviewed by Subcommittees of the Advisory Committee for Behavioral and Neural Sciences which meet three times a year--in fall (Oct.), winter (Jan.-Feb.), and late spring (May-June). The meetings are announced in the Federal Register.

SPECIAL EMPHASIS AREAS
ESTABLISHED IN EAST ASIA
COOPERATIVE SCIENCE PROGRAMS

NSF's U.S.-Republic of Korea Cooperative Science Program has established three special emphasis areas: biochemical engineering, remote sensing, and marine biology. An outline of research opportunities for joint projects in these areas is available from Dr. Allen Holt, Division of International Programs (632-5783).

During the past year, U.S.-Taiwan seminars were held in the areas of fermentation engineering, pesticide chemistry, fish health, and virus diseases of fruits and vegetables. A list of joint research priorities in these fields is available from Dr. Maurice Edwards, Division of International Programs (632-5782).

NSF supports U.S. investigators working in joint projects with the ASEAN countries--Indonesia, Malaysia, Philippines, Singapore, Thailand. Projects include disciplines related to natural resources, such as forestry, agriculture, marine biology, and earth sciences. Program guidelines are available from Dr. Allen Holt, Division of International Programs (632-5783).

ESTABLISHMENT OF THE DIRECTORATE
FOR ENGINEERING AND
APPLIED SCIENCE (EAS)

A Directorate for Engineering and Applied Science (EAS) was established July 1, 1979 at NSF. It merged the Directorate for Applied Science and Research Applications (ASRA) and the Division of Engineering (ENG) from the Directorate for Mathematical and Physical Sciences, and Engineering (MPE). ASRA and ENG were abolished, and MPE became the Directorate for Mathematical and Physical Sciences (MPS). Dr. Jack Sanderson serves as Assistant Director and Dr. Henry Bourne, Jr. as Deputy Assistant Director for EAS, which contains six divisions: Electrical, Computer, and Systems Engineering; Chemical and Process Engineering; Civil and Mechanical Engineering; Applied Research; Problem-Focused Research; and Intergovernmental Science and Public Technology.

PROPOSALS ACCEPTED FOR
EARTHQUAKE HAZARDS MITIGATION

Unsolicited research proposals for fiscal year 1980 on Earthquake Hazards Mitigation (EHM) may be submitted at any time during the fiscal year to the EHM program in NSF's new Directorate for Engineering and Applied Science (EAS). EHM is concerned with the engineering, architectural, and societal aspects of earthquake effects. Proposals may be submitted by researchers through universities, small and large businesses, and other organizations, in accordance with Guidelines for Preparation of Unsolicited Proposals (NSF 78-46). For a copy of the Guidelines and for further information, contact Ms. Ramona Lauda, Division of Problem-Focused Research (632-4345).

SMALL BUSINESS R&D CONFERENCES

NSF Engineering and Applied Science Directorate (EAS) will sponsor Small Business Conferences on Federal Research and Development (R&D) September 1979 and in April 1980. The conferences are to provide information on program opportunities for small business in EAS and in all Federal agencies with significant R&D budgets. The conferences will cover program information, the proposals process, and related policies. The 1980 conferences will be held in Atlanta and Los Angeles. For registration or conference information, write or call: The Lakeshore Group, Ltd., 207 E. Buffalo St., Milwaukee, Wisconsin 53202, telephone (414) 272-5420.

REGIONAL CONFERENCES IN
MATHEMATICAL SCIENCES

Proposals for conferences to be funded by NSF's program of Regional Conferences in the Mathematical Sciences Section by November 15, 1979. These conferences are designed to aid research efforts in all fields of the mathematical sciences in regions of the U.S. where encouragement is most useful. Conferences must be planned for the summer of 1980 (not earlier than June 1, 1980) or during the following academic year. Awards are expected to be announced by NSF about April 1, 1980. For further information, contact the Conference Board of the Mathematical Sciences, 1500 Massachusetts Ave., N.W., Suites 457 and 458, Washington, D.C. 20005, telephone 293-1170.

SUPPORT FOR SYSTEMATIC
ANTHROPOLOGICAL COLLECTIONS

NSF's Anthropology Program of the Division of Behavioral and Neural Sciences provides limited support for the improvement of systematic anthropological research collections. In 1980 proposals will be considered for systematic collections of outstanding importance and in critical need of restoration, as well as smaller systematic collections of high scientific value. Primary goal of these grants is to enhance the availability of such collections for scientific research. Any institution holding significant anthropological research collections may apply.

(continued)

Applicants should consult the report Systematic Collections in Anthropology: An Irreplaceable National Resource which may be obtained free from NSF's Anthropology Program. Formal proposals should be prepared in accordance with instructions contained in Grants for Scientific Research (NSF 78-41). Deadline is November 10, 1979, for anticipated awards in the late spring of 1980. Prior to preparing a formal proposal, prospective applicants should address a short inquiry to: Mrs. Mary W. Greene, Associate Program Director for Anthropology, NSF (632-4208).

PROGRAM FOR ANALYSIS OF
SCIENCE RESOURCES

NSF's Division of Science Resources Studies (SRS) has issued a revised announcement, Program for the Analysis

of Science Resources: Personnel, Funding, Impacts and Outputs (NSF 78-47 Revised), covering its Program of Science Resources Analysis for fiscal year 1980.

The awards will be for in-depth analyses and integration of data on scientific and technical personnel; funding of scientific and technological activities and related studies; scientific and technological manpower forecasting efforts; and development of new measures of outputs of scientific and technological activity, especially of indicators of technological innovation. The average award is expected to be in the \$25,000 to \$50,000 range. The target date for fiscal year 1980 proposals is February 8. For further information, contact the following personnel in SRS: Mr. Norman Friedman (634-4625) for science and technology funding; Mr. Morris Cobern (634-4656) for personnel and related areas; and Dr. Donald Buzzelli (634-4682) for science and technology outputs.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

Research Grants, new	November 1
Research Grants, renewals.	February 1
Foreign Currency Credit Award.	November 1
NHLBI, Young Investigator Research Grant	November 1
NIAMDD, Research Interests in the Digestive Tract, Digestive Diseases Program	November 1
NIAMDD, Research Interests in Liver, Biliary Tract, and Exocrine Pancreas, Digestive Disease Program	November 1
NIAMDD, Metabolic Diseases Program	November 1
NIAMDD, Research Interests in Skin Diseases.	November 1

National Institutes of Health (cont.)

NIAMDD, Research Interests in Endocrinology.	November 1
NIAMDD, Research Interests in Arthritis.	November 1
NIAMDD, Research Interests in Musculoskeletal Diseases . . .	November 1
NIAMDD/NICHD/NIAID/NCI, Research Grant Support in Nutrition.	November 1
NEY, Research on Cannabinoids in the Treatment of Glaucoma .	November 1
NEY, Research on Retinal and Choroidal Disease Program . . .	November 1
NINCDS, Field of Chronic Pain.	November 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1, 1980
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects.	June 1, 1980
NIA, The Genetic Basis of Aging: Drosophila as a Model System	November 1
NEY, Research on Macular Disease	November 1
NIAID, RFA: Legionnaires' Disease	November 1
NIAMDD/NHLBI/NIAID/NIGMS/NICHD/NIDR: Basic and Clinical Studies of Cystic Fibrosis.	November 1
NEY: Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Research Applications.	November 1
Individual Postdoctoral Fellowships.	February 1
Institutional Training Applications.	February 1
Academic Investigator Awards	February 1
NIAMDD, New Investigator Research Awards in Diabetes	November 1
NIAMDD, NICHD, NIA, NHLBI, Behavioral Studies Related to Diabetes Mellitus	November 1
NEY, Cataract Research	November 1
NICHD, RFA: Implications of International Migration for the United States.	October 15
NIDR, National Caries Program.	November 1
NIDR, RFA: Research on the Immunological Cross-Reactions Between Streptococcus Mutans and Mammalian Tissues	October 15
NINCDS, Modification of Activity of Defined Cerebral Neuronal Populations by Applied Electrical Fields.	November 1
NHLBI, Specialized Centers of Research in Thrombosis (SCOR).	December 7
NIA, The Genetic Basis of Aging: Protozoa as Models	November 1
NIAID, RFA: New Investigator Research Awards in Tropical Disease	October 15
NIAID, RFA: Asthma and Allergic Disease Centers	October 15
NIDR, RFA: Streptococcal IgA Protase Activity in the Human Oral Cavity.	November 15
NIAID, RFA: Sexually Transmitted Diseases Research Units. .	October 15
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent by 11/1).	February 1
Fogarty International Center, French National Center for Scientific Research Program for Biomedical Scientific Cooperation.	November 1

National Institutes of Health (cont.)

NINCDS, RFA: Research Center Without Walls for Huntington's Disease (Letter of Intent was requested--not required--by May 30, 1979) "Revised Date".	October 15
NHLBI, Clinical Investigator Awards.	October 1, 1980
NLM, Research Support For Computers in Medicine.	November 1
NIAID, New Investigator Research Grant in Clinical Immunology and Virology.	November 1
NIAMDD, DTRC Exploratory Grants.	February 1
NIA, Immunology Program--Molecular and Biochemical Program: Research Grants.	November 1
Individual Fellowships	February 1
Training Grants.	February 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program	November 1
NICHD, Maternal Smoking and Pregnancy Outcome.	November 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	November 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies.	February 1
NINCDS, Individual Postdoctoral Fellowships, Clinical Research in Otolaryngology	February 1
NINCDS, Individual Postdoctoral Fellowships, Speech and/or Language Disorders in Children	February 1
NIDR, Fluoride Research Grants	November 1
RFA: Domestic Squirrel Monkey Breeding.	October 15
NIHES, Mid-Career Development Award--Environmental Toxicology	February 1
NIA/NIAID/NIAMDD/NICHD/NCI/NIDR/NIHES/NEY/NIGMS/NHLBI/NINCDS/DRR: National Research Service Awards for Senior Fellows	February 1
NHLBI, Effects of Smoking on the Blood and Cardiovascular and Respiratory Systems.	November 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent by November 1)	February 1
<u>National Institute of Education</u>	
Grants for Research on Organizational Processes: Full Proposal (Preliminary).	December 17
Small Grant.	December 17
Research on Law and Government in Education, Preliminary Proposals (Final Proposals 2/14/80).	October 18
Unsolicited Proposals to Conduct Educational Research and Development	December 31
<u>Health Resources Administration</u>	
Nursing Special Project Grants	November 1
Nursing Research Program Grants.	November 1
Health Careers Opportunity Program	January 4
<u>Health Care Financing Administration</u>	
Grant Applications	April 7, 1980
<u>National Center for Health Services Research</u>	
Research Grants.	Open
<u>Health Services Administration</u>	
Office of Human Development Services	
Research and Development Projects in Aging, Title IV B. Adequacy of Research Instruments in the Spanish Language for Conducting Policy and Program-relevant Research on Hispanic Groups of Older Persons.	November 1

Health Services Administration (cont.)

How Do the Characteristics, Requirements, and Resources of Retirement Communities Change Over Time?	November 1
How Can Federal, State, and Area Agencies on Aging Be Assisted to Make More Effective Use of 1980 Census Data?	November 1
How Can Neighborhood and Community Organizations Be Assisted to Serve Needs of Older Persons More Effectively?	November 1
How and Why Do Older Workers Seek and Find New Types of Work, Retired Workers?	November 1
How Can the Experience of Pioneering Businesses Be Used to Assist Other Firms in Dealing With the Mandatory Retirement Law in a Positive Way?	November 1
What is the Current and Potential Supply/Demand for Different Types of Home Equity Conversion or Reversal Mortgage Plans?	November 1
What is the Effect of Community Revitalization Efforts on Older Persons, Rural Projects?	November 1
What Are the Activities of Health Planning Agencies, and How Do They Coordinate With State and Area Agencies on Aging and Other Organizations in Planning Social Services for the Elderly?	November 1
What Are the Determinants of Elderly Enrollment and Disenrollments in HMO's, and What Are Their Attitudes Toward and Experiences With These Plans?	November 1
What Are the Most Effective Technologies/Mechanisms for Providing Home-Delivered Meals and Meals in Congregate Settings, in Terms of Food Safety, Nutrient Preservation, Food Acceptability and Economy	November 1
What Institutions are Successful in Promoting Programs of Physical Activities, Exercising Practices, Rehabilitation Activities, and Community Linkages for the Institutionalized Older Person?	November 1
What Are the Most Effective Techniques for Reducing Drug Misuse Among the Elderly?	November 1
How Can Community Programs Be Designed to Provide Immediate Intervention and Support to the Elderly Following a "Pivotal Event?"	November 1
To What Extent and In What Ways Have Health and Social Service Agencies Been Successful in Identifying, Recruiting, and Serving the Most Disadvantaged and Hard-to-Reach Elderly?	November 1
To What Extent Have the Activities of the Aging Network Included the Promotion or Provision of Mental Health Services for Older Persons?	November 1
How Might Resource Allocation of Title III Monies Be Improved Through More Efficient Management Strategies By Area Agencies on Aging?	November 1
Special Projects/Community Care Systems and/or Social and Community Services.	November 1
Codification of Research on Minority Older People.	November 1
National Research Conference on Technology and the Aged.	November 1

Child Abuse and Neglect, Research on the Needs and Resources for Child Protection in Residential Institutions	October 15
<u>Alcohol, Drug Abuse, and Mental Health Administration</u>	
Research Grants, New	November 1
Small Grants Program	December 1
<u>U.S. Office of Education</u>	
Educational Opportunity Centers.	October 31
Special Services for Disadvantaged Students.	October 22
Talent Search.	October 31
Upward Bound	October 12
Handicapped, Student Research, 13.443A	October 12 & March 17
Handicapped, Field Initiated Research, 13.443C	October 31
Handicapped, Personnel Preparation Program, 13.451:	
New.	October 15
Bilingual Vocational Training.	November 5
Metric Education Program	November 14
Consumer's Education Program	December 19
Foreign Language and Area Studies Research Program	January 4
Bilingual Vocational Instructor Training Program	October 15
Fulbright-Hays Training Grants:	
Faculty Research Abroad.	November 2
Foreign Curriculum Consultants Program	November 2
Group Projects Abroad Program.	November 2
Doctoral Dissertation Program.	November 2
Handicapped Children's Early Education Program:	
Outreach Project, continuation only.	October 5
Demonstration Projects, new.	October 18
Demonstration Projects, continuation only.	January 10
Cooperative Education Program.	January 16
Women's Educational Equity Acts Program:	
New, general 13.565A	January 21
New, small 13.565B	January 21
Continuations only	March 13
Handicapped Children's Model Program:	
Demonstration Projects, new.	December 3
Demonstration Projects, continuation only.	March 13
National Diffusion Network Program	January 3
Gifted and Talented Children's Education Program--	
Discretionary Program for Professional Development	January 25
Teacher Centers Programs:	
New--To States by January 31	
To USOE	March 3
Continuations (as above)	
Strengthening Research Library Resources, new & continuing	February 18
Basic Skills Improvement Program:	
Basic Skills in School Program	February 29
Out-of-School Basic Skills Improvement Program	February 29
Teacher Corp "79," Continuations Only.	March 3
Teacher Corp "78," Continuations Only.	March 25
Biomedical Sciences Program.	March 28

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

- E.D. Bergmann Memorial Research Grant (U.S.-Israel Binational Science Foundation)--Award announced in April 1980 November 1
- U.S.-France Exchange of Scientists (Announcement of Awards: mid-March 1980) November 1
- U.S.-Japan Cooperative Science Program (for Seminars with dates between September 1, 1980 and August 31, 1981). November 1
- Computer Science (contact Mr. Kent Curtis, Division of Mathematical and Computer Sciences (632-7346)) November 1
- Biochemistry (contact Dr. Brian J. Johnson, Division of Physiology, Cellular, and Molecular Biology (632-4260)). . November 1
- Biological Instrumentation (contact Dr. Larry Faller, Division of Physiology, Cellular, and Molecular Biology (632-5330)). November 1
- Biophysics (contact Dr. Arthur Kowalsky, Division of Physiology, Cellular, and Molecular Biology (632-4260)). . November 1
- Cell Biology (contact Dr. Liselotte Mezger-Freed, Division of Physiology, Cellular, and Molecular Biology (634-4117)).November 1
- Developmental Biology (contact Dr. Mary E. Clutter, Division of Physiology, Cellular, and Molecular Biology (632-4314)). November 1
- Genetic Biology (contact Dr. Philip D. Harriman, Division of Physiology, Cellular, and Molecular Biology (632-5985)). November 1
- Human Cell Biology (contact Dr. Herman W. Lewis, Division of Physiology, Cellular, and Molecular Biology (632-4200)).November 1
- Metabolic Biology (contact Dr. Elijah B. Romanoff, Division of Physiology, Cellular, and Molecular Biology (632-4312)). November 1
- Regulatory Biology (contact Dr. Robert B. Sanders, Division of Physiology, Cellular, and Molecular Biology (632-4298)).November 1
- U.S.-Latin America Cooperative Research and Workshops (contact Dr. Eduardo Feller, Division of International Programs (632-5811)) November 1
- Ecology (contact Dr. David W. Johnston, Division of Environmental Biology (632-7324)). November 2
- Ecosystem Studies (contact Dr. Melvin I. Dyer, Division of Environmental Biology (632-5854)) November 2
- Population Biology and Physiological Ecology (contact Dr. Donald W. Kaufman, Division of Environmental Biology (632-7317)). November 2
- Systematic Biology (contact Dr. John H. Beaman, Division of Environmental Biology (632-5846)). November 2
- NATO Postdoctoral Fellowships in Science November 2
- Postdoctoral Fellowships November 2
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: June/July 1980)-- Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology. November 2
- Student-Originated Studies (SOS) November 9

National Science Foundation (continued)

<u>Unsolicited Research Proposals for Systematic Anthropological</u>	
Collections (Proposed Starting Dates: May/June 1980) . . .	November 10
Physically Handicapped in Science Program (PHIS)	November 15
Engineering Research Initiation.	November 15
Regional Research Conferences in the Mathematical Sciences .	November 15
Resource Centers for Science and Engineering Program	
(Announcement of Awards: July 1980)	November 16
Comprehensive Assistance to Undergraduate Science	
Education (CAUSE).	November 19
Graduate Fellowships	November 30
Minority Graduate Fellowships.	November 30
Engineering Research Initiation Grants--190 (Proposed	
Starting Date of April 15, 1980)	December
Ethics and Values in Science and Technology (EVIST)--	
<u>Formal Proposals with the earliest starting date</u>	
<u>of June 1, 1980.</u>	December 3
Public Understanding of Science (PUOS) Program-- <u>Formal</u>	
<u>Proposals with the earliest starting date of</u>	
<u>June 1, 1980</u>	December 3
Scientists and Engineers in Economic Development (SEED)	
Program (Research/Teaching Grants)--Announcement of	
Awards: May 1980.	December 3
Science Faculty Professional Development (SFPD) Program. . .	December 3
U.S.-Latin America Cooperative Science Program (Proposed	
Starting Date: July 1, 1980).	December 3
Unsolicited Research Proposals for the Climate Dynamics	
Program (Proposed Starting Date: June 1, 1980).	December 3
Minority Institutions Science Improvement Program (MISIP)--	
Announcement of Awards: May 1980.	December 4
Unsolicited Research Proposals for the Oceanography	
Section, Division of Ocean Sciences (Proposed Starting	
Date: June 1, 1980)--Programs include: Biological	
Oceanography, Marine Chemistry, Physical Oceanography,	
and Submarine Geology and Geophysics	December 31
Ethics and Values in Science and Technology (EVIST)--	
<u>Preliminary Proposals with the earliest starting date</u>	
<u>of October 1, 1980</u>	January 1
International Travel Grant Program (for <u>Group Travel</u> with	
starting dates between October 1, 1980 and December 31,	
1980; for <u>Individual Travel</u> with starting dates between	
April 1, 1980 and June 30, 1980)	January 1
Women in Science Career Workshops.	January 1
Information Dissemination for Science Education (IDSE) . . .	January 9
Minority Institutions Graduate Traineeships.	January 11
Science for Citizens (SFC) Forums, Conferences, Workshops,	
and Planning Studies-- <u>Preliminary Proposals with the</u>	
<u>earliest starting date of September 15, 1980</u>	January 15
Science for Citizens (SFC) Public Service Science Residencies	
(Announcement of Awards: May 1980).	January 15
Public Understanding of Science (PUOS) Program-- <u>Preliminary</u>	
<u>Proposals with the earliest starting date of Oct. 1, 1980.</u>	February 1

National Science Foundation (cont.)

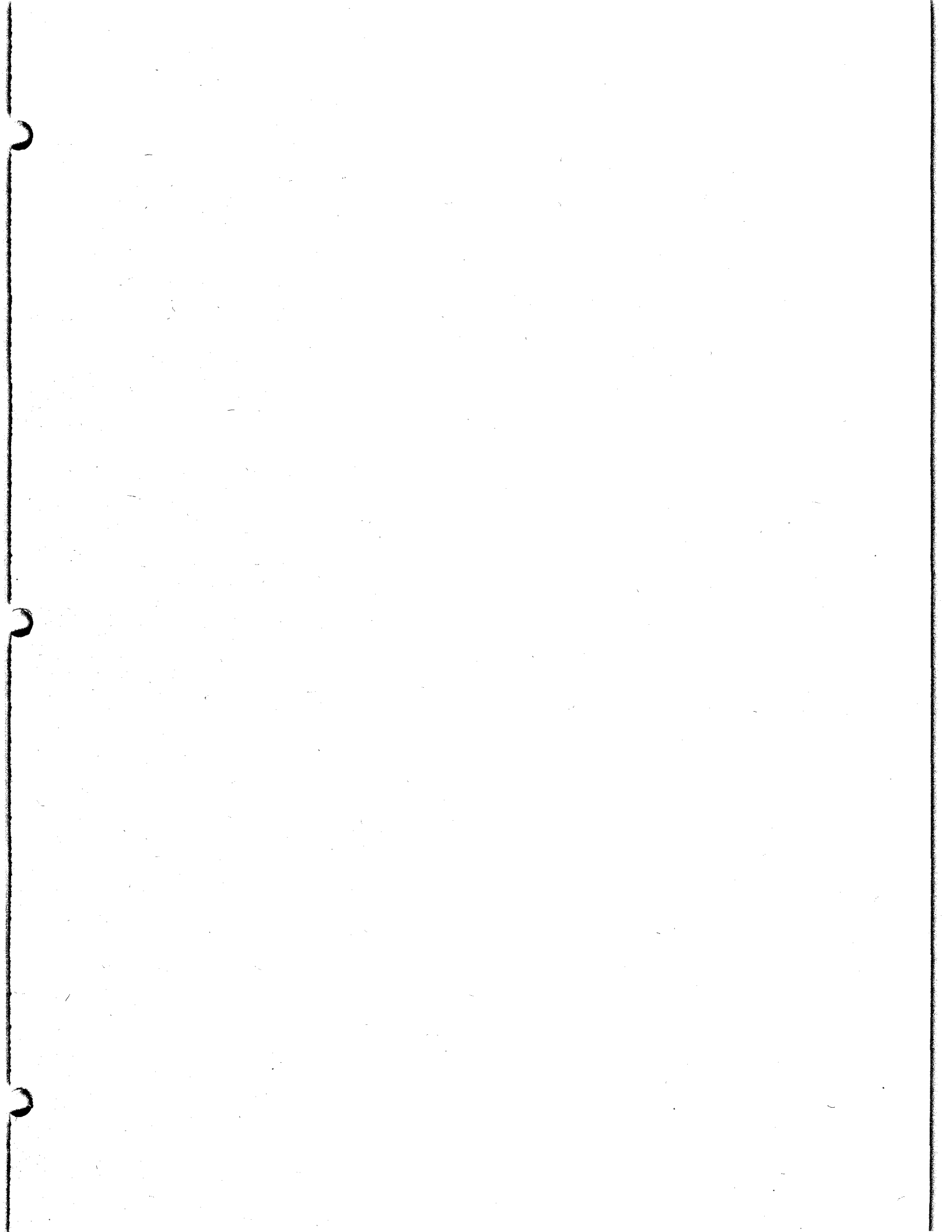
- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Dates: September/October 1980)--Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socioeconomic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics February 1
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: September/October 1980)--Programs include: Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology. February 4
- Instructional Scientific Equipment Program (ISEP). February 29

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

- American Cancer Society
Research and Clinical Investigation Grants November 1
- American Council of Learned Societies
Study Fellowships. November 15
Chinese Studies and Fellowships. December 1
East European Studies. December 1
Grants-in-Aid. December 15
- American Diabetes Association
Young Investigator Awards. November 15
- American Heart Association--Minnesota Affiliate
Grants-in-Aid. November 15
for November 30
Postdoctoral Research Fellowships. November 1
for November 15
- American Lung Association
Research Grants. December 1
- Minnesota Humanities Commission November 15
& January 15
- Minnesota Medical Foundation. December 31
- Inter-American Foundation (Latin America)
Learning Fellowship in Social Change December 5
- IREX (International Research and Exchange Board with Socialist Countries) Several Programs November 1,
December 1 &
January 1
- National Foundation for Jewish Culture December 31
- Pharmaceutical Manufacturers Association Foundation, Inc.
Fellowships in Pharmacology and Morphology January 15
Developmental Grants for Clinical Pharmacology Units January 15
Medical Student Research Fellowships in Pharmacology and
Clinical Pharmacology. January 15

Runyon-Winchell Cancer Fund
Fellowships. December 15
Technicon Instrument Corporation
Preliminary. Anytime
Requested Final. December 14
Zonta International
Amelia Earhard Fellowship. January 1



Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORADDC Newsletter

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November, 1979

Volume IX/No. 5

CHANGE IN INDIRECT COST RECORD KEEPING

Due to a change in the accounting system, the October budget statements will show two entries for indirect costs. In an effort to provide for better record keeping, the programming was changed to calculate the indirect costs on current month salaries. Previously, the indirect cost charges were based on the past month's salaries. The changeover results in charges based on September and October salaries in the same month. This change has no effect on the total indirect costs charged to a sponsored project. It only affects the timing of those charges. Principal investigators and administrators are asked to alert their staffs of this change.

CORRECTION TO PAMPHLET ON INDIRECT COSTS

The pamphlet, "Indirect Costs of Sponsored Research at the University of Minnesota," which was disseminated in May 1979, requires a minor change. The last sentence on page 10 should be corrected to read as follows: "These estimates (less expenditures for the operating budgets of the Graduate School Research Center, Research Animal Resources, Office of Research Administration and Departmental Administration--see Table II) are then deducted from the total operating-budget request that is presented to the legislature."

THE KELLOGG NATIONAL FELLOWSHIP PROGRAM

Grants of up to \$30,000 will be awarded to 50 individuals of exceptional merit and technical competence in the general fields of agriculture, education and health.

The objective of the fellowship experiences, which will be three years duration, will be to help Fellows broaden their individual perspectives of people, places and ideas. The program will also aim to assist these individuals to anticipate and develop innovations in human service.

Awards will be made to individuals who are 40 years of age or younger as of July 1, 1980, and who serve on the staffs of land-grant colleges and universities or institutions included in the membership roster of the Association of Academic Health Centers. Fellowships will also be awarded to individuals from non-academic positions. *Application deadline is December 1, 1979.* Duration: Three years. Contact: Mrs. Karen R. Hollenbeck, Director of Fellowships, W.K. Kellogg Foundation, 400 North Avenue, Battle Creek, Michigan 49016; or The Graduate Fellowship Office at (612) 373-2833.

POSTDOCTORAL FELLOWSHIPS
FOR MINORITIES

Ford Foundation Postdoctoral
Fellowships for Minorities will be
offered only to persons who are

(1) citizens or nationals of the United States at the time of application and are members of certain minority groups under-represented in formal programs of postdoctoral study and research in the United States, specifically Black Americans, Mexican Americans/Chicanos, Puerto Ricans, and Native Americans; and (2) will have completed by February 1, 1980 the formal requirements for a doctoral degree in one of the fields listed above or have had research training and experience equivalent to that represented by a doctoral degree in one of those fields. *Application deadline is February 1, 1980.* For further information, contact the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

NATIONAL RESEARCH COUNCIL
POSTDOCTORAL AWARDS

The National Research Council
Research Associateship Programs
offer postdoctoral scientists

and engineers opportunities for basic and applied research in the biological, medical and behavioral sciences; also in chemistry, engineering, mathematics, and earth, physical and space sciences. *Application deadline is January 15, 1980.* For further information, contact the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

NATIONAL ACADEMY OF SCIENCES

The National Academy of Sciences
conducts programs for the exchange

of postdoctoral scientists with the Academies of Sciences of the USSR, Bulgaria, Czechoslovakia, the German Democratic Republic, Hungary, Poland, Romania, and with the Council of the Academies of Yugoslavia. The disciplines included in these programs are the natural, mathematical, non-patient-oriented medical, engineering, and precise social and behavioral sciences. *Application deadline is November 16, 1979.* Application materials are available from: Section on USSR and Eastern Europe, Commission on International Relations, National Academy of Sciences, Washington, D.C. 20418; phone (202) 389-6616.

U.S. DEPARTMENT OF ENERGY--
SPECIAL RESEARCH CONTRACTS

Progress reports and renewal proposals
on Special Research Contracts are to
be submitted to the Department of

Energy, Chicago Operations and Regional Office, 9800 South Cass Avenue, Argonne, Illinois 60439, instead of HQ-PR in Washington. In addition, the renewal package should be sent four months, instead of three months, prior to expiration of the contract term.

SEARCH FOR SUCRASE-ISOMALTASE
DEFICIENT SUBJECTS

The National Caries Program (NCP)
of the National Institute of Dental
Research is seeking sources who have

access to sucrase-isomaltase deficient subjects, or who have knowledge of the location of such subjects. The NCP may be interested in supporting a dental study of these subjects if a sufficient number of these individuals can be geographically and medically identified. Interested investigators and institutions are urged to write or call for more detailed requirements and information regarding this announcement: Dr. Andrew J. Vargosko, Deputy Chief, Caries Research Grants and Contracts Branch, National Caries Program, National Institute of Dental Research, Room 522, Westwood Building, Bethesda, Maryland 20205, telephone (301) 496-7884; or Dr. Norman S. Ikari, National Caries Program, National Institute of Dental Research, Room 549, Westwood Building, Bethesda, Maryland 20205, telephone (301) 496-7716.

This announcement does not commit the NIH to issue any Request for Proposals or Request for Applications, nor does it commit the NIH to award any contracts or grants directed toward the above described area. However, should responses to this announcement indicate sufficient interest and accessibility to such subjects, suitable support mechanisms (contracts and/or grants) may be initiated.

EXTRAMURAL ASSOCIATES PROGRAM

The National Institutes of Health (NIH)
announces a special program under the

Intergovernmental Personnel Act (IPA) of 1970 (Public Law 91-648) to promote the entry and participation of ethnic minorities and women in NIH-supported research.

Participation in NIH-supported research is facilitated by a thorough knowledge of the research concerns of the NIH, the support mechanisms through which this research is being accomplished, and the policies and procedures which govern the awarding of grants and contracts. The IPA offers an opportunity to disseminate needed knowledge by authorizing, for work of mutual concern and benefit, temporary appointments of employees between Federal executive agencies, State and local governments, institutions of higher education, and Indian tribal governments.

Under the Extramural Associates Program, the NIH, in each of two groups, will invite up to eight key administrators, involved with science, from schools which contribute significantly to the pool of minorities and women in science, to spend six months in residence in Bethesda, Maryland. Salary, travel, and related expenses will be reimbursed by the NIH to the limit allowed under the IPA. In addition, a per diem allowance has been arranged to cover normal cost of living while in Bethesda.

(continued)

While in the program, the Associates will work in rotating assignments with senior members of the staff of the NIH and other Federal agencies. They will attend seminars, committee meetings, workshops, and site visits and will have the opportunity to obtain, on site, information about Federal health-related programs and associated granting and contracting activities.

Nomination of a candidate will be accepted from the president or an equivalent official of an eligible institution. In addition to the general requirements of the IPA, emphasis for selection of Associates will be on the demonstrated contribution of an institution to the advancement of ethnic minorities and women; on its plan to utilize the Associate's newly gained knowledge to promote entry of minorities or women into health-related sciences; and on the qualifications, experience, and interest of the nominee. Consideration will be given to a representative distribution of Associates from among the nominating colleges and universities.

All Associates will be required to participate in the program for six months beginning approximately August 1, 1980, or February 1, 1981. Nominations and completed applications are due by January 31, 1980; selections will be announced by April 30, 1980.

Additional information concerning this program and instructions for completing the application may be obtained by writing or calling: Administrator, Extramural Associates Program, National Institutes of Health, Room 1A10, Building 31, Bethesda, Maryland 20205; telephone (301) 496-9728.

REVISED INSTRUCTIONS FOR
COMPLETION OF RESEARCH
GRANT APPLICATIONS

The *NIH Guide for Grants and Contracts*, Vol. 8, No. 10, July 23, 1979, edition described certain changes effective immediately in the research grant

application form PHS 398. The page limitation for biographical sketches was incorrectly noted as two pages in the announcement. Until the new form PHS 398 itself is available, biographical sketches may be three pages in length. Three pages are needed because other research support is currently described in the biographical section. In the new form PHS 398 that will be available in several months, the biographical sketch page limitation will be two pages, other research support will be described in another section.

Fliers in current PHS 398 application kits dated June 1979 or August 7, 1979, correctly indicate three pages as the current biographical sketch limitation.

Numerous inquiries have been received about applications that have been submitted or are nearly completed which used the "old" instructions in the PHS 398 kits. Although PHS will accept applications prepared using the Instruction Sheet in current PHS 398 kits dated "Rev. 2-73," applicants are asked to begin using at the earliest possible time the new format specified in the July 23, 1979, issue of the *Guide* and fliers in the application kits entitled Revised Instructions for Research Grant Applications dated June 1979 or August 7, 1979.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic
department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to
ORA at 373-5925.

National Institutes of Health

Research Grants, new	March 1
Research Grants, renewals.	February 1
Foreign Currency Credit Award.	March 1
NHLBI, Young Investigator Research Grant	March 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects.	June 1
NEY, Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retinopathy Research and Training: Individual Postdoctoral Fellowships.	February 1
Institutional Research Training.	February 1
Academic Investigator Awards	February 1
NIAMDD, New Investigator Research Awards in Diabetes	March 1
NIAMDD/NICHD/NIA/NHLBI, Behavioral Studies Related to Diabetes Mellitus.	March 1
NEY, Cataract Research	March 1
NIDR, National Caries Program.	March 1
NINCDS, Modification of Activity of Defined Cerebral Neuronal Populations by Applied Electrical Fields.	March 1
NHLBI, Specialized Centers of Research in Thrombosis (SCOR).	December 7
NIA, The Genetic Basis of Aging: Protozoa as Models	March 1
NIDR, RFA: Streptococcal IgA Protase Activity in the Human Oral Cavity.	November 15
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent by November 1).	February 1
Fogarty International Center, French National Center for Scientific Cooperation	May 1
NHLBI, Clinical Investigator Awards.	October 1
NIAID, New Investigator Research Grant in Clinical Immunology and Virology.	March 1
NIAMDD, DTRC Exploratory Grants.	February 1
NIA, Immunology Program--Molecular and Biochemical Program: Research Grants.	March 1
Individual Postdoctoral Fellowships.	February 1
Training Grants.	February 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program	March 1
NICHD, Maternal Smoking and Pregnancy Outcome.	March 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otisclerosis	March 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies	February 1
NINCDS, Individual Postdoctoral Fellowships, Clinical Research in Otolaryngology	February 1

National Institutes of Health (continued)

NINCDS, Individual Postdoctoral Fellowships, Speech and/or Language Disorders in Children	February 1
NIDR, Fluoride Research Grants	March 1
NIA, Gerontological and Geriatric Dermatology (Letters of Intent due one month prior to formal application):	
Research Grants	March 1
Individual Postdoctoral Fellowship	February 1
Research Career Development Award	February 1
NCI, RFA: Identification and Evaluation of Biophysical Probes Suitable for Distinguishing Malignant Cells in Automated Instrument (Cytology Automation)	November 15
NIOHS/NCI/NIEHS, Demonstration Programs for Safe Abestos Removal or Treatment in Schools	December 1
NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NINCDS, Individual Postdoctoral Fellowships in Nutrition	February 1
NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NIEHS, NINCDS, Institutional Grants in Nutrition	February 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	March 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases (Letter of Intent by November 15)	February 15
NIAMDD, Research Interests of the Chronic Renal Disease Program	March 1
NIEHS, Mid-Career Development Award--Environmental Toxicology	February 1
NIA/NIAID/NIAMDD/NICHD/NCI/NIDR/NIEHS/NEY/NIGMS/NHLBI/NINCDS/DRR: National Research Service Awards for Senior Fellows	February 1
NHLBI, Effects of Smoking on the Blood and Cardiovascular and Respiratory Systems	March 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent by November 1)	February 1
<u>Food and Drug Administration</u>	
Bureau of Drugs, RFA: The Bioavailability and Pharmacokinetics of Oral Dosage Forms in Newborn and Infant Human Patients	November 15
Bureau of Drugs, RFA: The Pharmacokinetics and Bioavailability of Drugs in Disease States	November 15
<u>Health Resources Administration</u>	
Health Careers Opportunity Program	January 4
Physician Assistant Training Programs	November 5
Expanded Function Dental Auxiliary Training	November 15
<u>Health Care Financing Administration</u>	
Grant Applications	April 7
<u>National Center for Health Services Research</u>	
Research Grants	Open
Grants for Dissertation Research Support	February 15
<u>Alcohol, Drug Abuse, and Mental Health Administration</u>	
Research Grants, new	March 1
Research Grants, renewals	February 1
Grant Program in Mental Health Service System Research	March 1
Small Grants Program	December 1

National Institute of Education

Grants for Research on Organizational Processes:

- Full Proposal (Preliminary) December 17
- Small Grant December 17
- Unsolicited Proposals to Conduct Educational
Research and Development December 31
- Research on Law and Government in Education:
Preliminary Proposals were due October 18--Final due . . . February 14
- Small Grant Proposals March 3

U.S. Office of Education

- Handicapped Student Research, 13.443A. March 17
- Bilingual Vocational Training. November 5
- Metric Education Program November 14
- Consumer's Education Program December 19
- Foreign Language and Area Studies Research Program January 4
- Handicapped Children's Early Education Program
Demonstration Projects, continuation only. January 10
- Cooperative Education Program. January 16
- Women's Educational Equity Acts Program:
New, general 13.565A January 21
- New, small 13.565B January 21
- Continuations Only March 13
- Handicapped Children's Model Program:
Demonstration Projects, new. December 3
- Demonstration Projects, continuation only. March 13
- National Diffusion Network Program January 3
- Gifted and Talented Children's Education Program--
Discretionary Program for Professional Development January 25
- Teacher Centers Programs:
New--To States by January 31
To USOE March 3
- Continuations (as above)
- Strengthening Research Library Resources, new & continuing . February 18
- Basic Skills Improvement Program:
Basic Skills in School Program February 29
- Out-of-School Basic Skills Improvement Program February 29
- Teacher Corp '79,' Continuations Only. March 3
- Teacher Corp '78,' Continuations Only. March 25
- Biomedical Sciences Program. March 28
- Undergraduate International Studies Program--NEW December 5
- Graduate and Undergraduate International Studies
Program--CONTINUATIONS December 21

National Science Foundation

Program Deadlines for Proposals (Proposals received after the deadline date generally will be returned to the proposer):

- Dec. 1, 1979. Scientists and Engineers in Economic Development.
Contact: Dr. Gerald Edwards, Division of International Programs (632-5796).
- Dec. 1, 1979. Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (634-1546).
- Dec. 1, 1979. Computer Science Equipment. Contact: Mr. Kent Curtis, Division of Mathematical and Computer Sciences (632-7346).
- Dec. 1, 1979. Research Initiation Grants. Contact: Dr. Ernest Masur, Division of Civil and Mechanical Engineering (632-5787).

National Science Foundation (continued)

- Dec. 3, 1979. **Science Faculty Professional Development (SE 80-28)**. Contact: Dr. Edward Karlander, Division of Scientific Personnel Improvement (282-7795).
- Dec. 4, 1979. **Minority Institutions Science Improvement (SE 79-31)**. Contact: Dr. Shirley McBay, Division of Science Education Resources Improvement (282-7760).
- Jan. 1, 1980. **International Travel Grants**. Contact: Ms. Mildred Bosilevac, Division of International Programs (632-5741).
- Jan. 1, 1980. **Women in Science-Science Career Workshops (SE 80-26)**. Contact: Ms. Joan Callanan, Division of Scientific Personnel Improvement (282-7150).
- Jan. 1, 1980. **Women in Science-Science Career Facilitation Projects (SE 80-26)**. Contact: Ms. Joan Callanan, Division of Scientific Personnel Improvement (282-7150).
- Jan. 9, 1980. **Information Dissemination for Science Education (SE 80-33)**. Contact: Dr. Charles Wallace, Division of Science Education Resources Improvement (282-7950).
- Jan. 11, 1980. **Minority Institutions Graduate Traineeships (SE 80-15)**. Contact: Dr. Thomas Quarles, Division of Scientific Personnel Improvement (282-7154).
- Jan. 15, 1980. **Science for Citizens-Public Service Science Residencies (SE 80-61)**. Contact: Dr. Rachelle Hollander, Office of Science and Society (282-7770).
- Feb. 1, 1980. **Specialized Engineering Research Equipment Grants**. Contact: Dr. M. Lih, Division Director, Division of Chemical & Process Engineering (632-5867).
- Feb. 1, 1980. **U.S.-Australia Cooperative Science**. Long-term Research Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- Feb. 6, 1980. **Special Research Initiation Awards for New Investigators in Information Science**. Contact: Dr. Edward E. Weiss, Division of Information Science & Technology (632-5818).
- Feb. 28, 1980. **Science for Citizens-Public Service Science Centers**. (Preliminary Proposals) (SE 80-64). Contact: Dr. Rachelle Hollander, Office of Science and Society (282-7770).
- Feb. 29, 1980. **Instructional Scientific Equipment (SE 80-32)**. Contact: Dr. John Maccini, Division of Science Education Resources Improvement (282-7033).
- Mar. 15, 1980. **U.S.-India Exchange of Scientists Program**. Contact: Ms. Hildegard Kramer, Division of International Programs (632-5796).
- Apr. 1, 1980. **International Travel Grant Program**. Contact: Ms. Mildred Bosilevac, Division of International Programs (632-5741).
- Apr. 1, 1980. **U.S.-Australia Cooperative Science Program Workshops/Seminars**. Matching proposals by foreign counterparts need to be submitted to their own national science funding agencies. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- Apr. 1, 1980. **U.S.-New Zealand Cooperative Science**. Long-Term Research Visits. Matching Proposals by foreign counterparts need to be submitted to their own national science funding agencies. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- Apr. 1, 1980. **U.S.-Japan Cooperative Science Program**. Cooperative Research Proposals. Contact: Dr. Stephen Mosier, Division of International Programs (632-5782).
- May 1, 1980. **Climate Dynamics**. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (634-1546).
- June 1, 1980. **Scientists and Engineers in Economic Development**. Contact: Dr. Gerald Edwards, Division of International Programs (632-5796).
- July 1, 1980. **Shipboard Technicians**. Contact: Ms. Mary Johrde, Division of Ocean Sciences (632-4102).
- July 1, 1980. **Ship Operations**. Contact: Ms. Mary Johrde, Division of Ocean Sciences (632-4102).
- July 15, 1980. **Materials Research Laboratories**. Contact: Dr. Roman Wasilewski, Division of Materials Research (632-7408).
- Aug. 1, 1980. **Climate Dynamics**. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (634-1546).
- Sept. 1, 1980. **U.S.-Japan Cooperative Science**. Long-Term Research Visits. Contact: Dr. Stephen Mosier, Division of International Programs (632-5782).
- Sept. 1, 1980. **U.S.-Australia Cooperative Science**. Long-term Research Visits. Matching proposals by foreign counterparts need to be submitted to their own national funding agencies. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).

National Science Foundation

Target Dates for Proposals (Proposals received after this deadline date will be received, although they may miss a particular panel meeting):

- Dec. 1, 1979. **Policy Research and Analysis.** Contact: Ms. Agnes Rhodes, Division of Policy Research and Analysis (632-5990).
- Dec. 1, 1979. **Public Understanding of Science (SE 80-60).** Contact: Mr. George Tressel, Office of Science and Society (282-7770).
- Dec. 1, 1979. **Ethics and Values in Science and Technology (SE 80-62).** Contact: Dr. William Blanpied, Office of Science and Society (282-7770).
- Dec. 1, 1979. **Economics.** Contact: Dr. James Blackman (632-5968) or Dr. Daniel Newlon (254-8775) Division of Social and Economic Science.
- Dec. 1, 1979. **Engineering Research Initiation.** Contact: Dr. Ronald Huston, Division of Civil and Mechanical Engineering (632-5787).
- Dec. 1, 1979. **Political Science.** Contact: Dr. Gerald Wright, Division of Social and Economic Science (632-4348).
- Dec. 1, 1979. **Geography & Regional Science.** Contact: Dr. Barry Moriarty, Division of Social and Economic Science (634-6683).
- Dec. 31, 1979. **Sociology.** Contact: Dr. Roland Liebert, Division of Social and Economic Science (632-4204).
- Dec. 31, 1979. **Law and Social Sciences.** Contact: Program Director, Division of Social and Economic Science (632-5816).
- Dec. 31, 1979. **History and Philosophy of Science.** Contact: Dr. Ronald Overmann, Division of Social and Economic Science (632-4182).
- Dec. 31, 1979. **Measurement Methods and Data Resources.** Contact: Dr. Murray Aborn, Division of Social and Economic Science (632-4216).
- Jan. 1, 1980. **Human Cell Biology.** Contact: Dr. Herman Lewis, Division of Physiology, Cellular and Molecular Biology (632-4200).
- Jan. 1, 1980. **Earth Sciences: Geology, Geochemistry and Geophysics.** Contact: Dr. Robin Brett, Division of Earth Sciences (632-4274).
- Jan. 1, 1980. **Oceanography Project Support.** Contact: Dr. Robert Wall, Division of Ocean Sciences (632-4227).
- Jan. 1, 1980. **Research Initiation for Earthquake Hazards Mitigation.** Contact: Dr. Michael Gaus, Division of Problem-Focused Research (632-5700).
- Jan. 4, 1980. **Applied Physical, Mathematical, and Biological Sciences and Engineering.** Contact: Dr. Richard Schoen, Division of Applied Research (634-6260).
- Jan. 4, 1980. **Applied Social and Behavioral Sciences.** Contact: Dr. Frank Scioli, Division of Applied Research (634-6260).
- Jan. 28, 1980. **Ecology.** Contact: Dr. David Johnston, Division of Environmental Biology (632-7324).
- Jan. 28, 1980. **Ecosystem Studies.** Contact: Dr. Melvin Dyer, Division of Environmental Biology (632-5854).
- Jan. 28, 1980. **Population Biology and Physiological Ecology.** Contact: Dr. Donald Kaufman, Division of Environmental Biology (632-7317).
- Jan. 28, 1980. **Systematic Biology.** Contact: Dr. John Beaman, Division of Environmental Biology (632-5846).
- Jan. 28, 1980. **Biological Research Resources.** Contact: Dr. James Callahan, Division of Environmental Biology (632-5854).
- Feb. 1, 1980. **Biochemistry.** Contact: Dr. D. MacDonald Green, Division of Physiology, Cellular & Molecular Biology (632-4260).
- Feb. 1, 1980. **Biophysics.** Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular & Molecular Biology (632-4260).
- Feb. 1, 1980. **Cell Biology.** Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular & Molecular Biology (634-4117).
- Feb. 1, 1980. **Developmental Biology.** Contact: Dr. Mary Clutter, Division of Physiology, Cellular & Molecular Biology (632-4314).
- Feb. 1, 1980. **Genetic Biology.** Contact: Dr. Philip Harriman, Division of Physiology, Cellular & Molecular Biology (632-5985).
- Feb. 1, 1980. **Metabolic Biology.** Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular & Molecular Biology (632-4312).
- Feb. 1, 1980. **Regulatory Biology.** Contact: Dr. Bruce Umminger, Division of Physiology, Cellular & Molecular Biology (632-4298).
- Feb. 8, 1980. **Analysis of Science Resources: Personnel, Funding, Impacts and Outputs (NSF 78-47 revised).** Contact: Division of Science Resources Studies: Mr. Morris Cobern, Personnel (634-4655). Mr. Norman Friedman, Funding (634-4625). Dr. Donald Buzzelli, Impacts and Outputs (634-4682).
- Mar. 1, 1980. **Economics.** Contact: Dr. James Blackman, (632-5968), or Dr. Daniel Newlon (254-8775), Division of Social and Economic Science.
- Mar. 1, 1980. **Political Science.** Contact: Dr. Gerald Wright, Division of Social and Economic Science (632-4348).
- Mar. 1, 1980. **Geography and Regional Science.** Contact: Dr. Barry Moriarty, Division of Social and Economic Science (634-6683).
- Mar. 1, 1980. **Sociology.** Contact: Dr. Roland Liebert, Division of Social and Economic Science (632-4204).
- Mar. 1, 1980. **Policy Research and Analysis.** Contact: Ms. Agnes Rhodes, Division of Policy Research and Analysis (632-5990).
- Mar. 14, 1980. **Applied Social and Behavioral Sciences.** Contact: Dr. Frank Scioli, Division of Applied Research (634-6260).
- Mar. 14, 1980. **Applied Physical, Mathematical, and Biological Sciences and Engineering.** Contact: Dr. Richard Schoen, Division of Applied Research (634-6260).
- Mar. 15, 1980. **Science for Citizens - Forums, Conferences and Workshops and Planning Studies (SE 80-63).** Contact: Dr. Rachele Hollander, Office of Science and Society (282-7770).
- Apr. 1, 1980. **Public Understanding of Science (SE 80-60).** Contact: Mr. George Tressel, Office of Science and Society (282-7770).

National Science Foundation--Target Dates (continued)

- Apr. 1, 1980. Ethics and Values in Science and Technology (SE 80-62). Contact: Dr. William Blanpied, Office of Science and Society (282-7770).
- Apr. 1, 1980. Coordinated Ocean Research and Exploration Section. Contact: Dr. M. Grant Gross, Division of Ocean Sciences (632-7356).
- Apr. 30, 1980. Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular & Molecular Biology (653-5339).
- May 1, 1980. Earth Sciences: Geology, Geochemistry and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (632-4274).
- May 1, 1980. Oceanography Project Support Program. Contact: Dr. Robert Wall, Division of Ocean Sciences (632-4227).
- May 1, 1980. U.S.-Latin America Cooperative Science. Contact: Dr. Eduardo Feller (632-5811). Ms. Christine French (632-5811). Dr. Mack Gilkeson (632-5811) Division of International Programs.
- June 1, 1980. Policy Research and Analysis. Contact: Ms. Agnes Rhodes, Division of Policy Research and Analysis (632-5990).
- June 1, 1980. U.S.-Antarctic Research. Contact: Mr. Guy Guthridge, Division of Polar Programs (632-4076).
- June 30, 1980. Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (634-6260).
- June 30, 1980. Ecology. Contact: Dr. David Johnston, Division of Environmental Biology (632-7324).
- June 30, 1980. Ecosystem Studies. Contact: Dr. Melvin Dyer, Division of Environmental Biology (632-5854).
- June 30, 1980. Population Biology and Physiological Ecology. Contact: Dr. Donald Kaufman, Division of Environmental Biology (632-7317).
- June 30, 1980. Systematic Biology. Contact: Dr. John Beaman, Division of Environmental Biology (632-5846).
- June 30, 1980. Biological Research Resources. Contact: Mr. James Callahan, Division of Environmental Biology (632-5854).
- June 30, 1980. Applied Physical, Mathematical and Biological Sciences and Engineering. Contact: Dr. Richard Shoen, Division of Applied Research (634-6260).
- July 1, 1980. Biochemistry. Contact: Dr. D. MacDonald Green, Division of Physiology, Cellular & Molecular Biology (632-4260).
- July 1, 1980. Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular & Molecular Biology (632-4260).
- July 1, 1980. Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular & Molecular Biology (634-4117).
- July 1, 1980. Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular & Molecular Biology (632-4314).
- July 1, 1980. Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular & Molecular Biology (632-5985).
- July 1, 1980. Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular & Molecular Biology (632-4312).
- July 1, 1980. Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular & Molecular Biology (632-4298).
- July 1, 1980. Oceanographic Facilities Acquisition and Maintenance. Contact: Ms. Mary Johrde, Division of Ocean Sciences (632-4102).
- Aug. 15, 1980. Law and Social Sciences. Contact: Program Director, Division of Social and Economic Science (632-5816).
- Aug. 15, 1980. Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (634-6683).
- Aug. 15, 1980. Sociology. Contact: Dr. Roland Liebert, Division of Social and Economic Science (632-4204).
- Aug. 15, 1980. Oceanography Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (632-4227).
- Aug. 15, 1980. Human Cell Biology. Contact: Dr. Herman Lewis, Division of Physiology, Cellular and Molecular Biology (632-4200).
- Sept. 1, 1980. Arctic Research. Contact: Mr. Guy Guthridge, Division of Polar Programs (632-4076).
- Sept. 1, 1980. Economics. Contact: Dr. James Blackman, (632-5968) or Dr. Daniel Newlon (254-8775), Division of Social and Economic Science.
- Sept. 1, 1980. Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (632-4216).
- Sept. 1, 1980. History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (632-4182).
- Sept. 30, 1980. Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (653-5339).
- Oct. 31, 1980. Biochemistry. Contact: Dr. D. MacDonald Green, Division of Physiology, Cellular and Molecular Biology (632-4260).
- Oct. 31, 1980. Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular & Molecular Biology (632-4260).
- Oct. 31, 1980. Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular & Molecular Biology (634-4117).
- Oct. 31, 1980. Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular & Molecular Biology (632-4314).
- Oct. 31, 1980. Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular & Molecular Biology (632-5985).
- Oct. 31, 1980. Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular & Molecular Biology (632-4312).
- Oct. 31, 1980. Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular & Molecular Biology (632-4298).

Proposals may be submitted for the following programs at any time of the year. It takes approximately 6-9 months to process a proposal.

- Doctoral Dissertation Research Proposals in Environmental Biology. Contact: Division of Environmental Biology (632-5854).
- Biological Research Resources Proposals. Contact: Dr. John L. Brooks, Division of Environmental Biology (632-4135).
- Development in Science Education (RISE) (SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (282-7904).
- Research in Science Education (RISE) (SE 80-55). Contact: Dr. Mary Rowe, Division of Science Education Development and Research (282-7745).
- U.S.-Taiwan Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).
- U.S.-East Asia Cooperative Science Program. Contact: Dr. Allen Holt, Division of International Programs (632-5782).
- U.S.-Australia Cooperative Science Program. Short-Term Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- U.S.-New Zealand Cooperative Science Program. Short-Term Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

American Council of Learned Societies	
Grants-in-Aid.	December 15
Arthritis Foundation--Minnesota Chapter.	February 15
Booth-Ferris Foundation	
Theological Education.	None
Cystic Fibrosis Foundation	
Student Traineeships	February 1
Inter-American Foundation (Latin America)	
Learning Fellowships in Social Change.	December 5
IREX (International Research and Exchange Board with Socialist Countries)--Several Programs	January 1
Minnesota Humanities Commission.	January 15
Minnesota Medical Foundation	December 31
National Foundation for Jewish Culture	December 31
National Multiple Sclerosis Society	
Research Grants.	January 1
Postdoctoral Fellowships	February 15
National Research Council (Ford Foundation)	
Postdoctoral Fellowships (in specific areas)	February 1
Pharmaceutical Manufacturers Association Foundation, Inc.	
Fellowships in Pharmacology and Morphology	January 15
Developmental Grants for Clinical Pharmacology Units	January 15
Medical Student Research Fellowships in Pharmacology and Clinical Pharmacology.	January 15
Rippel Foundation	
Heart and Cancer Research (among other interests).	No deadline
Runyon-Winchell Cancer Fund	
Fellowships.	December 15
Technicon Instrument Corporation	
Preliminary.	Anytime
Requested Final.	December 14
Zonta International	
Amelia Earhart Fellowships	January 1

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ORA RDC Newsletter

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NRSA'S STIPEND INCREASE EFFECTIVE JULY 1, 1980

Training program directors and individual NRSA awardees will be contacted by the awarding Institute

as soon as implementation procedures have been completed. Every trainee and fellow supported under the NRSA Act will receive the adjustment on July 1, 1980 regardless of the date of the original award. No retroactive adjustments will be made. The new stipend levels are to be used in the preparation of future NRSA institutional (training) and individual fellowship applications. They will be administratively applied to all applications now in the review process.

As of July 1, 1980, all individuals receiving support through awards made under the National Research Service Award (NRSA) Act, P.L. 93-348 as amended under P.L. 95-622 dated November 1978, will receive an adjustment in their annual stipend level as follows:

Predoctoral Stipend

<u>All Years</u>	<u>Current</u>	<u>As of July 1, 1980</u>
-----	\$3,900	\$5,040

Postdoctoral Stipend

<u>Years of Relevant Experience</u>	<u>Present Stipend</u>	<u>As of July 1, 1980</u>
0	\$10,000	\$13,380
1	10,800	14,040
2	11,500	14,736
3	12,200	15,468
4	12,800	16,236
5 or more	13,200	17,040

NEW STAFF MEMBER JOINS ORA'S DHEW GROUP

Ms. Susan Stensland has joined the DHEW group in the Office of Research Administration, assuming

responsibility for assisting departments with the preparation of proposal budgets, reviewing completed proposals and administering awards. She can be contacted at 373-5926.

**NRSA'S FOR SHORT-TERM TRAINING:
STUDENTS IN HEALTH PROFESSIONAL
SCHOOLS**

The National Institutes of Health announces a new program to expose talented students in health professional schools to the oppor-

tunities inherent in a research career. The program is designed to ameliorate the future shortage of clinical investigators by attracting highly qualified professional students into biomedical and behavioral research careers. Domestic nonprofit private or public schools of medicine, osteopathy, dentistry, veterinary medicine, optometry, pharmacy and podiatry may apply for grants to support short-term research training for students in health professional schools for discrete periods of up to three months. The applicant institution must have the staff and facilities required for the proposed program. Only one application per health professional school will be accepted. Application deadline is May 1, 1980. Complete application materials and information may be obtained from ORA at 373-5925.

**NRSA'S NON-TRAINEE EXPENSES--
INSTITUTIONAL ALLOWANCES
INCREASED EFFECTIVE 7/1/80**

A. Institutional NRSA Training Grants. The policy which limits support of non-trainee expenses to 25% of the total anticipated

award has been modified. The maximum amount which can be requested is now based on a calculation which may provide up to \$3,000 per year for each predoctoral trainee and \$5,000 per year for each post-doctoral trainee. This is not an automatic allowance. It represents the maximum allowable direct cost for essential support costs to the training program. Indirect cost may also be requested at 8% of total allowable direct cost or actual rate, whichever is less.

B. Individual Postdoctoral NRSA Fellowships

I. Postdoctoral Awards--Non-Federal Institutions. An institution may request funds of up to \$5,000 per 12-month period to the non-Federal sponsoring institution to help defray such awardee expenses as tuition and fees, appropriate health insurance, research supplies, equipment, travel to scientific meetings and related items. The allowance is under control of the sponsoring institution.

The new allowances are to be used in the preparation of all future NRSA applications. No retroactive adjustments will be made. Training program directors and individual NRSA awardees will be contacted by the awarding Institute as soon as implementation procedures have been completed.

**REVISED GRANT APPLICATION
FORM PHS 398**

In response to several inquiries, we would like to emphasize that during this transition period

prior to the availability of the new grant application form PHS 398, the instructions on the various fliers in the present application

kit must still be followed. For example, if the research proposed involves human subjects, it is essential that attention be paid to the six points on the Important Notice, dated August 1976 (in the currently available application kit) and that the risks and benefits are described and evaluated.

**SOURCES SOUGHT BY NIA TO PROVIDE
ALTERNATIVES TO LONG-TERM
INSTITUTIONAL CARE FOR ELDERLY**

The National Institute on Aging is seeking information from sources that provide alternatives to long-term institutional

care for the elderly. The National Institute on Aging, mandated by Congress in 1974 to "conduct and support (of) biomedical, social, and behavioral research and training related to the aging process and the diseases and other special problems and needs of the aged..." (P.L. 93-296), recognizes the magnitude of the problem of long-term care for the elderly in both institutional and non-institutional settings. The National Institute on Aging seeks responses from organizations, groups, or individuals having experience in and data on non-institutional options for care. This announcement is based on two assumptions: (1) reliable data on past and present demonstration projects that provide non-institutional care for the elderly in the United States, using either private or government funding, are available; and (2) by bringing together a group of those who have collected these data with experts in other aspects of geriatric medicine, we could develop an understanding of the current state of the art and identify opportunities for future research. Summary information is requested from each source responding on the following items: (1) the demography of the population served, (2) the reasons or criteria for inclusion in the project, (3) the services provided and their evaluation, (4) the costs and the charges to those served or their families, (5) the sources of funding for the project (i.e., private, third-party, government, philanthropy, etc.), (6) the administrative structure, (7) a preliminary evaluation of strengths and weaknesses, and (8) the form of available data on (1)-(7).

This is not a request for proposals. Concise responses directed specifically to the eight points mentioned above are requested. Resumes of key personnel should be provided. Sources responding should also indicate whether they are willing to participate in a conference on this subject. Please send ten (10) copies of responses to: Carol Lynn Ludwig, M.D., Medical Advisor and Special Projects Officer, National Institute on Aging, National Institutes of Health, Building 31, Room 5C-35, 9000 Rockville Pike, Bethesda, Maryland 20205. Closing date for responses is January 1, 1980. This announcement does not commit the Government to make an award.

**NIH--RESEARCH PROGRAM-PROJECT
GRANTS**

ORA has available a brief summary relating to preparation of "program-project"

proposals under NIH. Copy may be obtained from ORA at 373-5925.

**SUMMARY OF ACTIVE PROGRAM
ANNOUNCEMENTS SOUGHT BY NIA**

ORA has available a summary of research activities currently sought by the National Institute on Aging. Copy may be obtained from ORA at 373-5925.

**TEACHING AND LEARNING
RESEARCH GRANTS--NIE**

Applications for grants under the Teaching and Learning Research Program must be submitted to

National Institute of Education by January 21, 1980. Awards are made for research which contributes to improvement of educational practice in the areas of literacy, mathematics learning, teaching in school settings, teaching in non-school settings, and methodology. Primary program emphasis will be placed on research examining how learning and teaching are affected by race, ethnicity, language background, sex, and social class. Application materials are available from ORA at 373-5925.

ADAMHA SMALL GRANTS PROGRAM

The Alcohol, Drug Abuse, and Mental Health Administration

has set closing dates for its Small Grants Research program. Project proposals will be processed for an early summer (June) 1980 starting date if received by December 1, 1979, and for a July or August 1980 starting date if received after December 1 and prior to February 1, 1980.

Small research grants may be used to carry out exploratory or pilot studies to develop and test a new technique or method, or to analyze data previously collected. The program invites application for research grants which cover the entire range of scientific areas relevant to mental health, or to drug or alcohol abuse. Community college social science faculty members should be prime candidates for these grants since the program emphasis is directed to applicants that have limited resources for institutional research and limited experience in conducting research projects. In fiscal year 1980 it is expected that \$2-million will be available to support small grant research projects. Grant requests must be limited to \$10,000, and all funded projects must be completed within a 12-month period. Applicants concerned about the acceptability of their research idea may phone Dr. Ellen Simon Stover at (301) 443-4337 or write: Dr. Ellen Simon Stover, Program Director, Small Grant Research Program, National Institute of Mental Health, Alcohol, Drug Abuse, and Mental Health Administration, 5600 Fishers Lane, Rockville, Maryland 20857. Application materials may be obtained from ORA at 373-5925.

HIGHER EDUCATION GRANTS/REGIONAL
AND NATIONAL

Higher Education Grants encourage the development and testing of imaginative approaches to humanities education by supporting demonstration projects that center on curriculum development. Grants should focus on the development of models for widespread use rather than on improving instruction at a single institution. Three types of activities are supported: Humanities Institutes provide for the establishment of intensive institutes that seek to strengthen undergraduate humanities teaching at institutions of higher education, which is accomplished by assembling faculty from a number of institutions to participate in seminars and pursue individual study; Curriculum Materials Projects are to address a particular need in the teaching of the humanities and show promise of widespread use; and General Projects support model courses that also address a particular need in the teaching of the humanities and should show promise of having a nationwide impact. Contact: Blanche Premo, Director of Higher Education Projects, Cynthia Frey, Adrienne Gyongy, Peter Patrikis, Program Specialists, National Endowment for the Humanities, 806 Fifteenth Street, N.W., Washington, D.C. 20506, (202) 724-0311.

CONSULTANT GRANTS

Consultant Grants allow institutions to engage consultants from a panel of outstanding former reviewers and directors of projects in the humanities. This program is intended for institutions in the early stages of planning new programs or which are in the process of reconsidering existing curricula and which may need the advice and assistance of outside teachers, scholars and administrators. The National Board of Consultants is composed of academics with competencies in the humanities, experience in evaluating and developing programs, experience in a variety of institutional settings from community colleges to graduate schools to cultural institutions. Consultants may not be used to develop proposals for additional funding. Contact: Janice Litwin, Program Specialist, National Endowment for the Humanities, 806 15th Street, N.W., Washington, D.C. 20506, (202) 724-1978.

ELEMENTARY AND SECONDARY
EDUCATION GRANTS

Elementary and Secondary Education Grants strengthen the humanities in the nation's schools by encouraging the development and testing of imaginative approaches to the humanities through support of demonstration projects which improve teaching and learning at elementary and secondary levels. Areas of particular interest include: projects which relate recent scholarship in the humanities to in-service teacher training and the design of new curricula; projects involving collaboration between schools and other educational and cultural institutions, such as museums and libraries, colleges and universities, and graduate schools of education; projects that have the endorsement of large administrative units such

as a school system or state education department; projects to improve teachers and students knowledge of English literature, foreign languages and literatures, and history, especially social history; and projects emphasizing expository writing within the context of humanities curricula. Three types of activities are funded: extended teacher institutes, regional development projects, and general projects. Contact: Acting Director, Elementary and Secondary Education Grants, National Endowment for the Humanities, 806 15th Street, N.W., Washington, D.C., (202) 724-0373.

SEA/USDA COMPETITIVE RESEARCH GRANTS

Sea/USDA Competitive Research Grants have a proposal receipt due date tentatively set for Friday, January

11 (Biological Stress on Plants) and Friday, February 1 (Human Nutrient Requirements and Photosynthesis). Proposals should be sent to: Competitive Research Grants Office, Science and Education Administration, U.S. Department of Agriculture, 1300 Wilson Boulevard, Suite 103, Arlington, Virginia 22209.

MINNESOTA SEA GRANT PROGRAM

The University of Minnesota Sea Grant Program is currently soliciting pro-

posals for the 1980-81 grant year. Projects are funded which seek solutions to problems of Lake Superior waters and coastal areas. Preliminary, one page proposals will be accepted until December 20, 1979. For the current grant year, the National Sea Grant College Program awarded the University of Minnesota \$361,000. The Minnesota State Legislature also provided an additional \$100,000 for Sea Grant.

Preproposals will be accepted in the areas of Lake Superior Fisheries, recreational use of Lake Superior, water safety, coastal and lake processes, marine education and training. Preproposals which pass the preliminary screening may then be developed into full proposals. Final proposals will then be selected and included in the University's full proposal to the National Sea Grant College Program for funding, beginning October 1, 1980. More detailed information and proposal forms are available from the Minnesota Sea Grant Management Office, 130 Hodson Hall, 1980 Folwell Avenue, St. Paul, Minnesota, telephone (612) 373-1708. If you are concerned about acceptability of a research theme, call Dale Baker, acting Sea Grant director, at (218)726-8106.

USGS/USDI GEOTHERMAL RESEARCH GRANTS AND CONTRACTS

A target date of December 14, 1979 has been set for unsolicited proposals on Geothermal Research.

Proposals should be sent to: Geothermal Contracting Officer, Procurement and Contracts, E. Region, U.S. Geological Survey, National Center, Mail Stop 291, 12201 Sunrise Valley Drive, Reston, Virginia 22092.

**SOLAR ENERGY RESEARCH AT
COLLEGES AND UNIVERSITIES**

The Department of Energy desires to receive proposals from colleges and universities for advanced research related to solar energy. Objectives of this program are: (1) to add to the store of fundamental knowledge for advancing the use of solar energy; (2) to stimulate new approaches to conversion and utilization of solar derived energy; (3) to support feasibility or "proof of concept" studies of these new approaches; and (4) to stimulate growth of a solar-related intellectual base in the nation's academic community.

Proposals will be considered for basic and applied research projects in the biological, engineering, and physical sciences related to solar energy conversion. Proposals involving developmental studies, extensive component testing programs, demonstration of systems, economic studies, marketing studies, instructional materials, or establishment of solar energy centers/institutes are inappropriate for this particular program and should not be submitted in response to this notice. Write: Dr. Alex Kotch, Manager, University Programs Office, Solar Energy Research Institute, 1617 Cole Boulevard, Golden, Colorado 80401. Reference: OER-80-NPI-001, due January 10, 1980. Notification of grant awards is expected about March 15, 1980.

**JET PROPULSION LABORATORY
RESEARCH**

The California Institute of Technology and NASA hope to make available a sum of \$700,000 during calendar year 1980 to support cooperative research on topics and in areas related to the interests and capabilities of the Jet Propulsion Laboratory. Such research is to be conducted by university and college personnel working in close cooperation with people at JPL. About 24 grants will be awarded during the calendar year.

This program now operates on a calendar year basis. Proposals for research to be initiated within calendar year 1980 will be accepted for consideration not later than January 11, 1980.

Some Guidelines for the President's Fund:

- (a) The research should be related to current or anticipated JPL-NASA objectives and of a quality performed at top flight educational institutions.
- (b) Priority will be given to research characterized by strong mutual interest among individuals at JPL and a university, and should preferably involve work at JPL by university faculty or students. In some instances, work at a university by JPL staff members may be equally desirable or appropriate.
- (c) Special efforts will be made to involve university personnel not already engaged in JPL-related activities.
- (d) The President's Fund will be used as relatively short-term "seed money" to get new endeavors started and to support efforts of great potential yield. It cannot provide a sustained source of support for any single program, nor can it be a source of contingency funding.

(continued)

- (e) New efforts, not necessarily space-related, are welcomed as a means of broadening the overlap of interests between JPL staff and university personnel and as a means of helping to enhance JPL's role and function as a national research facility.

Summary of Basic Procedure:

- (1) Informal consultation with JPL to determine mutual interest and people, services, and facilities likely to be involved.
- (2) Drafting of proposal in normal NASA or NSF form, including a one-page single-spaced summary and submission through the usual procedure at the home institution. Faculty at Caltech will submit proposals through their Division Chairman for normal processing by the Committee on Sponsored Research.
- (3) Submit 10 copies of a formal, locally approved, proposal to the Caltech President: Dr. Marvin L. Goldberger, 340-32, California Institute of Technology, Pasadena, California 91125.

**POSTDOCTORAL FELLOWSHIPS
FOR MINORITIES**

Ford Foundation Postdoctoral Fellowships for Minorities will be offered only to persons who are (1) citizens

or nationals of the United States at the time of application and are members of certain minority groups under-represented in formal programs of postdoctoral study and research in the United States, specifically Black Americans, Mexican Americans/Chicanos, Puerto Ricans, and Native Americans; and (2) will have completed by February 1, 1980 the formal requirements for a doctoral degree in the Behavioral and Social Sciences, Humanities, Engineering Sciences, Mathematics, Physical Sciences, or Life Sciences, or have had research training and experience equivalent to that represented by a doctoral degree in one of those fields. Application deadline is February 1, 1980. For further information contact the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

**NATIONAL RESEARCH COUNCIL
POSTDOCTORAL AWARDS**

The National Research Council Research Associateship Programs offer postdoctoral scientists and

engineers opportunities for basic and applied research in the biological, medical and behavioral sciences; also in chemistry, engineering, mathematics, and earth, physical and space sciences. Application deadline is January 15, 1980. For further information contact the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

NSF GUIDE TO PROGRAMS FY 1980

The National Science Foundation Guide to Programs Fiscal Year 1980 provides

summary information about NSF programs, and it is intended as a source of general guidance for individuals interested in participating in these programs. Program listings describe the principal characteristics and basic purpose of each activity, eligibility requirements and deadline dates (where applicable). This publication has been disseminated to collegiate offices. Additional copies are available through the Superintendent of Documents, U.S. Government Printing Office.

**SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS**

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic
department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to
ORA at 373-5925.

National Institutes of Health

Research Grants, new	March 1
Research Grants, renewals.	February 1
Foreign Currency Credit Award.	March 1
NHLBI, Young Investigator Research Grant	March 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1
NHLBI/NIAMDD, Special Emphasis Research Career Award: Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects.	June 1
NEY, Vascular and Circulatory Abnormalities of the Retina Including Diabetic Retionopathy Research and Training: Individual Postdoctoral Fellowships.	February 1
Institutional Research Training.	February 1
Academic Investigator Awards	February 1
NIAMDD, New Investigator Research Awards in Diabetes	March 1
NIAMDD/NICHHD/NIA/NHLBI, Behavioral Studies Related to Diabetes Mellitus.	March 1
NEY, Cataract Research	March 1
NIDR, National Caries Program.	March 1
NINCDS, Modification of Activity of Defined Cerebral Neuronal Populations by Applied Electrical Fields.	March 1
NHLBI, Specialized Centers of Research in Thrombosis (SCOR). . . .	December 7
NIA, The Genetic Basis of Aging: Protozoa as Models	March 1
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent by November 1).	February 1
Fogarty International Center, French National Center for Scientific Cooperation	May 1
NHLBI, Clinical Investigator Awards.	October 1, 1980
NIAID, New Investigator Research Grant in Clinical Immunology and Virology.	March 1
NIAMDD, DTRC Exploratory Grants.	February 1
NIA, Immunology Program--Molecular and Biochemical Program: Research Grants.	March 1
Individual Postdoctoral Fellowships.	February 1
Training Grants.	February 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program	March 1
NICHHD, Maternal Smoking and Pregnancy Outcome.	March 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otiscleriosis	March 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies.	February 1
NINCDS, Individual Postdoctoral Fellowships, Clinical Research in Otolaryngology	February 1

National Institutes of Health (cont.)

<u>NIEHS/NCI/NIEHS, Demonstration Programs for Safe Asbestos</u>	
Removal or Treatment in Schools	December 1
NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NINCDS, Individual	
Postdoctoral Fellowships in Nutrition	February 1
NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NIEHS, NINCDS,	
Institutional Grants in Nutrition	February 1
NHLBI, Physiological and Pathophysiological Effects of	
Mechanical Circulatory Support Devices	March 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic	
Diseases (Letter of Intent by November 15)	February 15
NINCDS, Individual Postdoctoral Fellowship, Speech	
and/or Language Disorders in Children	February 1
NIDR, Fluoride Research Grants	March 1
NIA, Gerontological and Geriatric Dermatology (Letters	
of Intent due one month prior to formal application):	
Research Grants	March 1
Individual Postdoctoral Fellowship	February 1
Research Career Development Award	February 1
NIAMDD, Research Interests of the Chronic Renal	
Disease Program	March 1
NIEHS, Mid-Career Development Award--Environmental	
Toxicology	February 1
NIA/NIAID/NIAMDD/NICHD/NCI/NIDR/NIEHS/NEY/NIGMS/	
NHLBI/NINCDS/DRR: National Research Service Awards	
for Senior Fellows	February 1
NHLBI, Effects of Smoking on the Blood and Cardio-	
vascular and Respiratory Systems	March 1
NIAMDD, Diabetes Research and Training Centers	
(Letter of Intent by November 1)	February 1
NIH, National Research Service Awards for Short-Term	
Training in Health Professional Schools	May 1
NIA, NIDR, Geriatric Dentistry Academic Award	March 1
NIAID, Pseudomonas Infection in Cystic Fibrosis	March 1
NHLBI, Preventive Cardiology Academic Award	April 1
DHEW, Telecommunications Demonstration Program	December 17
NIH, Support of Meetings	Open
<u>Health Care Financing Administration</u>	
Grant Applications	April 7
<u>National Center for Health Services Research</u>	
Research Grants	Open
Grants for Dissertation Research Support	February 15
<u>Alcohol, Drug Abuse, and Mental Health Administration</u>	
Research Grants, new	March 1
Research Grants, renewals	February 1
Grant Program in Mental Health Service System Research	March 1
Small Grants Program	February 1
Prevention Research and Demonstration Grants, Impact	
of Severely Disturbed Parents on Children	February 1

National Institute of Education

Grants for Research on Organizational Processes:

Full Proposal (Preliminary) December 17
Small Grant. December 17

Unsolicited Proposals to Conduct Educational Research
and Development (Revised Date) January 3

Research on Law and Government in Education:

Preliminary Proposals were due October 18--Final due . . . February 14
Small Grant Proposals. March 3

Teaching and Learning Research Grants. January 21

Office of Human Development

Basic Educational Skills Research Grant Program. December 18

U.S. Office of Education

Consumer's Education Program December 19

Foreign Language and Area Studies Research Program January 4

Handicapped Children's Early Education Program

Demonstration Projects, continuation only. January 10

Cooperative Education Program. January 16

Women's Educational Equity Acts Program:

New, general 13.565A January 21

New, small 13.565B January 21

Continuations Only March 13

Handicapped Children's Model Program:

Demonstration Projects, new. December 3

Demonstration Projects, continuation only. March 13

National Diffusion Network Program January 3

Gifted and Talented Children's Education Program--

Discretionary Program for Professional Development January 25

Teacher Centers Programs:

New--To States by January 31

To USOE March 3

Continuations (as above)

Strengthening Research Library Resources, new & continuing . February 18

Basic Skills Improvement Program:

Basic Skills in School Program February 29

Out-of-School Basic Skills Improvement Program February 29

Teacher Corp '79,' Continuations Only. March 3

Teacher Corp '78,' Continuations Only. March 25

Biomedical Sciences Program. March 28

Undergraduate International Studies Program--NEW December 5

Graduate and Undergraduate International Studies

Program--Continuations December 21

Handicapped Student Research, 13.443A. March 17

National Demonstration Projects, Upward Bound, and

Special Services for Disadvantaged Students. March 14

Strengthening Developing Institutions Program:

Continuations/New. December 10

Health Services Administration

Maternal and Child Health and Crippled Children's

Services Projects Grants January 4

National Science Foundation For questions on the following, call 373-2784.

Program Deadlines for Proposals (Proposals received after the deadline date generally will be returned to the proposer):

- Jan. 1, 1980. International Travel Grants. Contact: Ms. Mildred Bosilevac, Division of International Programs (632-5741).
- Jan. 1, 1980. Women in Science-Science Career Workshops (SE 80-26). Contact: Ms. Joan Callanan, Division of Scientific Personnel Improvement (282-7150).
- Jan. 1, 1980. Women in Science-Science Career Facilitation Projects (SE 80-26). Contact: Ms. Joan Callanan, Division of Scientific Personnel Improvement (282-7150).
- Jan. 9, 1980. Information Dissemination for Science Education (SE 80-33). Contact: Dr. Charles Wallace, Division of Science Education Resources Improvement (282-7950).
- Jan. 11, 1980. Minority Institutions Graduate Traineeships (SE 80-15). Contact: Dr. Thomas Quarles, Division of Scientific Personnel Improvement (282-7154).
- Jan. 15, 1980. Science for Citizens-Public Service Science Residencies (SE 80-61). Contact: Dr. Rachelle Hollander, Office of Science and Society (282-7770).
- Feb. 1, 1980. Specialized Engineering Research Equipment Grants. Contact: Dr. M. Lih, Division Director, Division of Chemical & Process Engineering (632-5867).
- Feb. 1, 1980. U.S.-Australia Cooperative Science. Long-term Research Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- Feb. 6, 1980. Special Research Initiation Awards for New Investigators in Information Science. Contact: Dr. Edward E. Weiss, Division of Information Science & Technology (632-5818).
- Feb. 28, 1980. Science for Citizens-Public Service Science Centers. (Preliminary Proposals) (SE 80-64). Contact: Dr. Rachelle Hollander, Office of Science and Society (282-7770).
- Feb. 29, 1980. Instructional Scientific Equipment (SE 80-32). Contact: Dr. John Maccini, Division of Science Education Resources Improvement (282-7033).
- Mar. 15, 1980. U.S.-India Exchange of Scientists Program. Contact: Ms. Hildegard Kramer, Division of International Programs (632-5796).
- Apr. 1, 1980. International Travel Grant Program. Contact: Ms. Mildred Bosilevac, Division of International Programs (632-5741).
- Apr. 1, 1980. U.S.-Australia Cooperative Science Program Workshops/Seminars. Matching proposals by foreign counterparts need to be submitted to their own national science funding agencies. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- Apr. 1, 1980. U.S.-New Zealand Cooperative Science. Long-Term Research Visits. Matching Proposals by foreign counterparts need to be submitted to their own national science funding agencies. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- Apr. 1, 1980. U.S.-Japan Cooperative Science Program. Cooperative Research Proposals. Contact: Dr. Stephen Mosier, Division of International Programs (632-5782).
- May 1, 1980. Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (634-1546).
- June 1, 1980. Scientists and Engineers in Economic Development. Contact: Dr. Gerald Edwards, Division of International Programs (632-5796).
- July 1, 1980. Shipboard Technicians. Contact: Ms. Mary Johrde, Division of Ocean Sciences (632-4102).
- July 1, 1980. Ship Operations. Contact: Ms. Mary Johrde, Division of Ocean Sciences (632-4102).
- July 15, 1980. Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (632-7408).
- Aug. 1, 1980. Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (634-1546).
- Sept. 1, 1980. U.S.-Japan Cooperative Science. Long-Term Research Visits. Contact: Dr. Stephen Mosier, Division of International Programs (632-5782).
- Sept. 1, 1980. U.S.-Australia Cooperative Science. Long-term Research Visits. Matching proposals by foreign counterparts need to be submitted to their own national funding agencies. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).

Target Dates for Proposals (Proposals received after this deadline date will be received, although they may miss a particular panel meeting):

- Jan. 1, 1980. **Human Cell Biology.** Contact: Dr. Herman Lewis, Division of Physiology, Cellular and Molecular Biology (632-4200).
- Jan. 1, 1980. **Earth Sciences: Geology, Geochemistry and Geophysics.** Contact: Dr. Robin Brett, Division of Earth Sciences (632-4274).
- Jan. 1, 1980. **Oceanography Project Support.** Contact: Dr. Robert Wall, Division of Ocean Sciences (632-4227).
- Jan. 1, 1980. **Research Initiation for Earthquake Hazards Mitigation.** Contact: Dr. Michael Gaus, Division of Problem-Focused Research (632-5700).
- Jan. 4, 1980. **Applied Physical, Mathematical, and Biological Sciences and Engineering.** Contact: Dr. Richard Schoen, Division of Applied Research (634-6260).
- Jan. 4, 1980. **Applied Social and Behavioral Sciences.** Contact: Dr. Frank Scioli, Division of Applied Research (634-6260).
- Jan. 28, 1980. **Ecology.** Contact: Dr. David Johnston, Division of Environmental Biology (632-7324).
- Jan. 28, 1980. **Ecosystem Studies.** Contact: Dr. Melvin Dyer, Division of Environmental Biology (632-5854).
- Jan. 28, 1980. **Population Biology and Physiological Ecology.** Contact: Dr. Donald Kaufman, Division of Environmental Biology (632-7317).
- Jan. 28, 1980. **Systematic Biology.** Contact: Dr. John Beaman, Division of Environmental Biology (632-5846).
- Jan. 28, 1980. **Biological Research Resources.** Contact: Dr. James Callahan, Division of Environmental Biology (632-5854).
- Feb. 1, 1980. **Biochemistry.** Contact: Dr. D. MacDonald Green, Division of Physiology, Cellular & Molecular Biology (632-4260).
- Feb. 1, 1980. **Biophysics.** Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular & Molecular Biology (632-4260).
- Feb. 1, 1980. **Cell Biology.** Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular & Molecular Biology (634-4117).
- Feb. 1, 1980. **Developmental Biology.** Contact: Dr. Mary Clutter, Division of Physiology, Cellular & Molecular Biology (632-4314).
- Feb. 1, 1980. **Genetic Biology.** Contact: Dr. Philip Harriman, Division of Physiology, Cellular & Molecular Biology (632-5985).
- Feb. 1, 1980. **Metabolic Biology.** Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular & Molecular Biology (632-4312).
- Feb. 1, 1980. **Regulatory Biology.** Contact: Dr. Bruce Umminger, Division of Physiology, Cellular & Molecular Biology (632-4298).
- Feb. 8, 1980. **Analysis of Science Resources: Personnel, Funding, Impacts and Outputs (NSF 78-47 revised).** Contact: Division of Science Resources Studies: Mr. Morris Cobern, Personnel (634-4655). Mr. Norman Friedman, Funding (634-4625). Dr. Donald Buzzelli, Impacts and Outputs (634-4682).
- Mar. 1, 1980. **Economics.** Contact: Dr. James Blackman, (632-5968), or Dr. Daniel Newlon (254-8775), Division of Social and Economic Science.
- Mar. 1, 1980. **Political Science.** Contact: Dr. Gerald Wright, Division of Social and Economic Science (632-4348).
- Mar. 1, 1980. **Geography and Regional Science.** Contact: Dr. Barry Moriarty, Division of Social and Economic Science (634-6683).
- Mar. 1, 1980. **Sociology.** Contact: Dr. Roland Liebert, Division of Social and Economic Science (632-4204).
- Mar. 1, 1980. **Policy Research and Analysis.** Contact: Ms. Agnes Rhodes, Division of Policy Research and Analysis (632-5990).
- Mar. 14, 1980. **Applied Social and Behavioral Sciences.** Contact: Dr. Frank Scioli, Division of Applied Research (634-6260).
- Mar. 14, 1980. **Applied Physical, Mathematical, and Biological Sciences and Engineering.** Contact: Dr. Richard Schoen, Division of Applied Research (634-6260).
- Mar. 15, 1980. **Science for Citizens - Forums, Conferences and Workshops and Planning Studies (SE 80-63).** Contact: Dr. Rachele Hollander, Office of Science and Society (282-7770).
- Apr. 1, 1980. **Public Understanding of Science (SE 80-60).** Contact: Mr. George Tressel, Office of Science and Society (282-7770).
- Apr. 1, 1980. **Ethics and Values in Science and Technology (SE 80-62).** Contact: Dr. William Blanpied, Office of Science and Society (282-7770).
- Apr. 1, 1980. **Coordinated Ocean Research and Exploration Section.** Contact: Dr. M. Grant Gross, Division of Ocean Sciences (632-7356).
- Apr. 30, 1980. **Biological Instrumentation.** Contact: Dr. Larry Faller, Division of Physiology, Cellular & Molecular Biology (653-5339).
- May 1, 1980. **Earth Sciences: Geology, Geochemistry and Geophysics.** Contact: Dr. Robin Brett, Division of Earth Sciences (632-4274).
- May 1, 1980. **Oceanography Project Support Program.** Contact: Dr. Robert Wall, Division of Ocean Sciences (632-4227).
- May 1, 1980. **U.S.-Latin America Cooperative Science.** Contact: Dr. Eduardo Feller (632-5811). Ms. Christine French (632-5811). Dr. Mack Gilkeson (632-5811) Division of International Programs.
- June 1, 1980. **Policy Research and Analysis.** Contact: Ms. Agnes Rhodes, Division of Policy Research and Analysis (632-5990).
- June 1, 1980. **U.S.-Antarctic Research.** Contact: Mr. Guy Guthridge, Division of Polar Programs (632-4076).
- June 30, 1980. **Applied Social and Behavioral Sciences.** Contact: Dr. Frank Scioli, Division of Applied Research (634-6260).
- June 30, 1980. **Ecology.** Contact: Dr. David Johnston, Division of Environmental Biology (632-7324).
- June 30, 1980. **Ecosystem Studies.** Contact: Dr. Melvin Dyer, Division of Environmental Biology (632-5854).
- June 30, 1980. **Population Biology and Physiological Ecology.** Contact: Dr. Donald Kaufman, Division of Environmental Biology (632-7317).
- June 30, 1980. **Systematic Biology.** Contact: Dr. John Beaman, Division of Environmental Biology (632-5846).
- June 30, 1980. **Biological Research Resources.** Contact: Mr. James Callahan, Division of Environmental Biology (632-5854).
- June 30, 1980. **Applied Physical, Mathematical and Biological Sciences and Engineering.** Contact: Dr. Richard Schoen, Division of Applied Research (634-6260).

- July 1, 1980. Biochemistry. Contact: Dr. D. MacDonald Green, Division of Physiology, Cellular & Molecular Biology (632-4260).
- July 1, 1980. Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular & Molecular Biology (632-4260).
- July 1, 1980. Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular & Molecular Biology (634-4117).
- July 1, 1980. Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular & Molecular Biology (632-4314).
- July 1, 1980. Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular & Molecular Biology (632-5985).
- July 1, 1980. Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular & Molecular Biology (632-4312).
- July 1, 1980. Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular & Molecular Biology (632-4298).
- July 1, 1980. Oceanographic Facilities Acquisition and Maintenance. Contact: Ms. Mary Johrde, Division of Ocean Sciences (632-4102).
- Aug. 15, 1980. Law and Social Sciences. Contact: Program Director, Division of Social and Economic Science (632-5816).
- Aug. 15, 1980. Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (634-6683).
- Aug. 15, 1980. Sociology. Contact: Dr. Roland Liebert, Division of Social and Economic Science (632-4204).
- Aug. 15, 1980. Oceanography Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (632-4227).
- Aug. 15, 1980. Human Cell Biology. Contact: Dr. Herman Lewis, Division of Physiology, Cellular and Molecular Biology (632-4200).
- Sept. 1, 1980. Arctic Research. Contact: Mr. Guy Guthridge, Division of Polar Programs (632-4076).
- Sept. 1, 1980. Economics. Contact: Dr. James Blackman, (632-5968) or Dr. Daniel Newlon (254-8775), Division of Social and Economic Science.
- Sept. 1, 1980. Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (632-4216).
- Sept. 1, 1980. History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (632-4182).
- Sept. 30, 1980. Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (653-5339).
- Oct. 31, 1980. Biochemistry. Contact: Dr. D. MacDonald Green, Division of Physiology, Cellular and Molecular Biology (632-4260).
- Oct. 31, 1980. Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular & Molecular Biology (632-4260).
- Oct. 31, 1980. Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular & Molecular Biology (634-4117).
- Oct. 31, 1980. Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular & Molecular Biology (632-4314).
- Oct. 31, 1980. Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular & Molecular Biology (632-5985).
- Oct. 31, 1980. Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular & Molecular Biology (632-4312).
- Oct. 31, 1980. Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular & Molecular Biology (632-4298).

Proposals may be submitted for the following programs at any time of the year. It takes approximately 6-9 months to process a proposal.

- Doctoral Dissertation Research Proposals in Environmental Biology. Contact: Division of Environmental Biology (632-5854).
- Biological Research Resources Proposals. Contact: Dr. John L. Brooks, Division of Environmental Biology (632-4135).
- Development in Science Education (RISE) (SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (282-7904).
- Research in Science Education (RISE) (SE 80-53). Contact: Dr. Mary Rowe, Division of Science Education Development and Research (282-7745).
- U.S.-Taiwan Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).
- U.S.-East Asia Cooperative Science Program. Contact: Dr. Allen Holt, Division of International Programs (632-5782).
- U.S.-Australia Cooperative Science Program. Short-Term Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).
- U.S.-New Zealand Cooperative Science Program. Short-Term Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

American Cancer Society	
Research Development Program	No Deadline
Post-doctoral Fellowships.	March 1
Junior Faculty Research Awards	March 1
Faculty Awards	March 1
Scholars in Cancer Research.	March 1
Research Professorships.	March 1
American Council of Learned Societies	
Grants-in-Aid.	December 15
Arthritis Foundation--Minnesota Chapter.	February 15
Cystic Fibrosis Foundation	
Student Traineeships	February 1
Ford Foundation--International	
Security and Arms Control (1980 only)	
Fellowships.	January 1
Research	February 1
IREX (International Research and Exchange Board--with Socialist Countries)	January 1
Juvenile Diabetes Foundation	
Research Grants.	March 1
Minnesota Humanities Commission.	January 15 & March 15
Minnesota Medical Foundation	December 31 & March 31
National Foundation for Jewish Culture	December 31
National Multiple Sclerosis Society	
Research Grants.	January 15
Postdoctoral Fellowships	February 15
National Research Council (Ford Foundation)	
Postdoctoral Fellowships (in specific areas)	February 1
Pharmaceutical Manufacturers Association Foundation, Inc.	
Fellowships.	January 15
Developmental Grants	January 15
Medical Student Research Fellowships	January 15
Rumyon-Winchell Cancer Fund Fellowships.	December 15 & March 15
Zonta International	
Amelia Earhart Fellowships	January 1

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORA RDC Newsletter

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January, 1980

Volume IX/No. 7

NEW PROPOSAL GUIDELINES FOR MAJOR LOCAL FOUNDATIONS

As a result of major institutional commitments from several of the major local foundations, the Administrative

Development Committee has determined that for the foreseeable future it will be impossible to approve submission of proposals to these foundations without a clear written indication from the foundation that the proposal will be welcome. Prior to preparing a formal proposal, faculty should submit to the foundation a brief summary of the project. The letter should make clear that if the foundation finds the topic of sufficient interest, a formal proposal will be prepared and submitted through the University's formal process. This process includes approval of the BA 23 form, the submission of the proposal to ORA, and approval by the Administrative Development Committee. Foundations which must invite applications, as indicated above, are: The Bush Foundation, McKnight Foundation, General Mills Foundation, Dayton-Hudson Foundation and the Charles K. Blandin Foundation.

SMALL GRANTS RESEARCH PROGRAM

Application deadline is January 15, 1980 for the 1980-81 Small Grants

Research Program, which awards funds to faculty members for research projects that promise to strengthen the overall competence of the University in the international field. The program is conducted by the Office of International Programs, 201 Nolte West, Minneapolis campus, phone (612) 373-3793.

SPECIAL RESEARCH GRANTS FOR AGRICULTURAL RESEARCH

Special Research Grants for Agricultural Research are awarded to support basic and applied research

on high priority problems of a regional or national scope related to agriculture. Areas of current interest include: soybean research, energy research, animal health research, and alcohols and industrial hydrocarbons. Within each category, the following specific areas will be eligible: Soybean Research--Soybean production research to increase yields, enhance efficiency, and conserve natural resources. Research on soybean genetic mechanisms. Energy Research--to increase knowledge that will lead to reductions in the use of petrochemical energy in agricultural and forestry production, and other rural activities.

Specific areas include fermentation, combustion and pyrolysis, energy conservation and development of solar and wind energy resources, and biomass screening and use. Animal Health--to develop abiotic and biotic means to surpress animal losses due to infectious and non-infectious diseases and internal and external parasites of livestock, poultry, and major aquatic species. Alcohols Research--Research on the evaluation, production, handling, treatment, and conversion of biomass resources for manufacture of ethyl alcohol.

The following funds are available for FY 1980: Soybean research: \$485,000 with a maximum grant of \$100,000. Energy research: \$1,843,000 with a maximum \$100,000 for fermentation projects, \$125,000 for combustion and pyrolysis projects, \$80,000 for energy conservation and alternate fuels projects, and \$80,000 for biomass projects. Animal Health research: \$6,790,000 with a maximum \$150,000 per grant. Alcohols research: \$485,000 with a maximum \$100,000 per grant.

Eligible applicants in the various categories are as follows: Soybean, Energy and Animal Health: Land-Grant colleges and universities, state agricultural experiment stations, and colleges and universities. Alcohol Research: Colleges and universities.

For more information, contact: SFA Grants Management Office, Special Research Grants Program, Science and Education Administration, U.S. Department of Agriculture, Room 103, Rosslyn Commonwealth Building, 1300 Wilson Boulevard, Arlington, Virginia 22209, phone (703) 235-2640.

NIH MANPOWER REPORT

The National Institutes of Health (NIH) is terminating the requirement for submission of the Manpower Report form (NIH-1749). The Manpower Report form has previously required of all research grantees and contractors information about the numbers and types of positions for which salary was provided from the grant or contract during each reporting period. During the next several months, the NIH will be examining alternative means for collecting the most pertinent aspects of the information previously provided on the Manpower Report. Should this result in proposed changes in the general reporting requirements associated with NIH extramural awards, there will be an announcement and invitation for appropriate comment. The termination of collection of information using the Manpower Report form is effective as follows:

Grantees--The Manpower Report form will not be required as of October 1, 1979. Effective immediately, it will not be necessary to include a completed NIH-1749 with the continuation application (Type 5).

Contractors--Effective immediately, this report is no longer required for contracts. During FY 1980, the Manpower Report clause will be deleted from affective contract instruments individually as the need for other contract modification arises.

PROPOSALS INVOLVING
RECOMBINANT DNA

This is a republication of a procedure notice that appeared in the NIH Guide for Grants and Contracts,

Volume 8, No. 9, July 6, 1979, with the exception of the last paragraph, which has been revised.

The current NIH Guidelines for Research Involving Recombinant DNA Molecules, The Administrative Practices Supplement, and announcements of modifications and changes to the Guidelines are available from the Office of Recombinant DNA Activities, National Institutes of Health, Bethesda, Maryland 20205. All research involving recombinant DNA techniques which is supported by the NIH must meet the requirements of these Guidelines, which were developed in response to the concerns of the scientific and the lay communities about the possible effects of recombinant DNA research. Their purpose is to specify practices for the construction and handling of recombinant DNA molecules and organisms or viruses containing recombinant DNA. As defined by the Guidelines "recombinant DNA" corresponds to (1) molecules which are constructed outside living cells by joining natural or synthetic DNA segments to DNA molecules that can replicate in a living cell; or (2) DNA molecules which result from the replication of a molecule described in (1) above.

Several types of studies involving recombinant DNA are exempt from the Guidelines while others are prohibited by the Guidelines. For the remainder it is required that the applicant organization shall establish and implement policies that provide for the safe conduct of the research in full conformity with the Guidelines. This responsibility includes establishing an Institutional Biosafety Committee to review all recombinant DNA research to be conducted at or sponsored by the applicant organization, and to approve those projects it finds are in conformity with the Guidelines. For each approved project, a valid Memorandum of Understanding and Agreement is considered approved after acceptance by the NIH Office of Recombinant DNA Activities.

Grant application forms are being revised to include a check block indicating whether or not recombinant DNA research subject to NIH Guidelines is involved. Until such time as these forms are available, the applications concerned should show in capital letters at the bottom of the first page "THIS APPLICATION INVOLVES RECOMBINANT DNA RESEARCH SUBJECT TO NIH GUIDELINES." Labeling the face page of the application will assist in expediting the processing of the application.

Consult section II-c of the Administrative Practices Supplement, June 1979, for procedures for submitting a Memorandum of Understanding and Agreement for different classes of grant applications and awards.

NIH RESEARCH PROPOSALS--ASSURANCE
RELATED TO NONDISCRIMINATION ON
THE BASIS OF HANDICAP

NIH has incorporated a flyer in its research application kits indicating that each grantee must file an assurance of compliance with DHEW

(continued)

Regulation (45 CFR 84) entitled "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance." Please be advised that ORA will provide necessary information relating to this requirement at the time the proposal is processed since a general University of Minnesota assurance has been filed (6/7/77) with DHEW.

NIH ISSUES REQUESTS
FOR PROPOSALS (CONTRACTS)

The following "RFP's" have been initiated by various institutes of NIH. Complete application

materials must be obtained directly from NIH (written request) at the addresses noted below.

<u>Title</u>	<u>Address</u>	<u>RFP Due Date</u>
1) The Development and Testing of Vaginal Barrier Contraceptives RFP-NICHD-CD-80-4	Mr. Paul Duska Contracting Officer NICHD, Room 6C25 Landow Building Bethesda, Md. 20205	2/25/80
2) The Development and Testing of New Formulations for Spermicides RFP-NICHD-CD-80-5	As Above	2/25/80
3) Isolation and Purification of Rat Androgen Binding Protein (ABP) RFP-NICHD-CD-80-6	As Above	2/4/80
4) Clinical Studies of the Use-Effectiveness of Cervical Caps as a Vaginal Contraceptive RFP-NICHD-CD-80-7	As Above	2/25/80
5) Research and Development for Transmitting Energy Through the Intact Skin RFP-NHLBI-80-1	Ms. Linda Walsh Contract Specialist DHVD, NHLBI Federal Bldg., Rm. 3C16 7550 Wisconsin Av. Bethesda, Md. 20205	3/17/80
6) Physical Testing of Polymers for Use in Circulatory Assist Devices RFP-NHLBI-80-4	As Above	3/7/80
7) Blood Compatibility of Circulatory Assist Devices RFP-NHLBI-80-6	As Above	2/25/80
8) Clinical Left Ventricular Assist Devices RFP-NHLBI-80-2	Mr. Douglas Frye Contracting Officer DHVD, NHLBI Federal Bldg., Rm. 3C16 7550 Wisconsin Av. Bethesda, Md. 20205	3/7/80

<u>Title</u>	<u>Address</u>	<u>RFP Due Date</u>
9) Development of Integrated Electrically Powered Left Heart Assist Devices RFP-NHLBI-80-3	As Above	3/31/80
10) Development and Evaluation of Instrument Systems for Non-Invasive Detection, Quantification and Characterization of Atherosclerotic Lesions RFP-NHLBI-80-5	As Above	3/7/80
11) Clinical Assessment of Ultrasonic B-Scan and X-ray Imaging Systems for Detection and Quantification of Atherosclerotic Lesions in Carotid and Iliofemoral Arteries RFP-NHLBI-80-10	Mr. Robert Julia DHVA, NHLBI Federal Bldg., Rm. 4A08 7550 Wisconsin Av. Bethesda, Md. 20205	4/11/80
12) Data Coordinating Center for the NHLBI's Registry for Percutaneous Transluminal Coronary Angioplasty RFP-NHLBI-80-11	Mr. Patrick Sullivan Contracting Officer CDB, NHLBI Federal Bldg., Rm. 3C10 7550 Wisconsin Av. Bethesda, Md. 20205	4/15/80
13) Methodology for Evaluation of Primary Physician's Utilization of Knowledge of Respiratory Diseases RFP-NHLBI-HR-80-8 (Letter of Intent by 2/1/80)	Div. of Lung Diseases NHLBI, Rm. 6A-03 Westwood Bldg. 5333 Westbard Av. Bethesda, Md. 20205 Attn: Mrs. C. Bailey	4/1/80
14) Identification of Variables Associated with Maintenance of Non-Smoking in Ex-Smokers RFP-NHLBI-HR-80-9 (Letter of Intent by 2/1/80)	As Above	4/3/80
15) Development of Multichannel Electrodes for an Auditory Prosthesis RFP-NIH-NINCDS-80-05	NINCDS, NIH CMB, Federal Bldg. Room 1012 7550 Wisconsin Av. Bethesda, Md. 20205 Attn: Jay Seerig	2/7/80

1980 POSTDOCTORAL FELLOWSHIPS
IN AGRICULTURAL SCIENCES

The Rockefeller Foundation awards a limited number of postdoctoral fellowships to outstanding young

Americans for research in certain fields relevant to current objectives of its Conquest of Hunger program. The following is a list of principal research areas which are of current interest to the Foundation:

- 1) Biological control of crop diseases and insects
- 2) New approaches to plant genetic improvement
- 3) Improvement of crop photosynthetic efficiency and stress tolerance
- 4) Reproductive physiology, nutritional requirements and feeding energetics, and disease control in tropically adapted food fish
- 5) Hemoparasitic diseases of livestock

Applications may be made by writing to: Deputy Director, Agricultural Sciences, The Rockefeller Foundation, 1133 Avenue of the Americas, New York, New York 10036.

PUBLIC SERVICE SCIENCE
RESIDENCIES

Public Service Science Residencies are intended to allow working scientists and engineers to undertake up to one

year's activities in association with organizations of citizens in need of their expertise. Residents must design a specific project or program of activities directed at raising the level of public understanding and debate on policy issues involving science and technology. Application deadline is January 15, 1980. Further information is available from the Office of Science and Society, National Science Foundation, Washington, D.C. 20550.

WOODS HOLE OCEANOGRAPHIC
INSTITUTION POSTDOCTORAL
FELLOWSHIPS

Applications are invited for one-year Postdoctoral Scholar Awards from new or recent doctorates in the fields of biology, chemistry, engineering,

geology, geophysics, mathematics, meteorology, and physics as well as oceanography. New or recent recipients of the doctoral degree with interests in the oceanographic sciences or engineering are eligible. Successful applicants will receive a stipend of \$16,500 for one year. Application deadline is February 1, 1980. Further information and application forms are available from: The Fellowship Committee, Education Office, Clark Laboratory, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, phone (617) 548-1400.

THE ANDREW MELLON POSTDOCTORAL
FELLOWSHIPS

Andrew Mellon Postdoctoral Fellowships are tenable for one year at the University of Pittsburgh and are

awarded to postdoctoral researchers in the fields of: Classics, English, Fine Arts, History and Philosophy of Science, Modern Languages, Music and Philosophy, Anthropology, History and Sociology, Biological Sciences, Mathematics and Statistics, and Physics and Astronomy. Application deadline is January 15, 1980. Applications are available from the Graduate School Fellowship Office, 422 Johnston Hall, phone 373-2833.

SPECIAL RESEARCH INITIATION
AWARDS FOR NEW INVESTIGATORS
IN INFORMATION SCIENCE

NSF's Division of Information Science
and Technology will continue granting
Special Research Initiation Awards for
new investigators in Information Science

in fiscal year 1980. Proposals should be received by NSF no later than February 6, 1980. These special awards, intended to stimulate new research in the field of information science, were established last year as part of the Division's program of research support. They are offered only to principal investigators holding a doctoral degree in information science or a related field for no more than five years. Investigators who have received these awards are not eligible for subsequent Special Research Initiation competitions. For further information and a list of the 1979 Special Research Initiation Awards, contact Dr. Edward Weiss, Division of Information Science and Technology (632-5818).

RESEARCH EQUIPMENT FOR TWO- &
FOUR-YEAR COLLEGES

NSF's Office of Planning and Resources
Management announces its program for
Research Equipment for two- and four-

year colleges. The program is open to academic institutions with substantial undergraduate programs in natural and social sciences, mathematics, and engineering that do not award doctorates in those fields (or have awarded a total of less than 40 in the past two years). The program expects to make about 200 awards in fiscal year 1980, with a budget of \$3,250,000. There are no deadlines for submission of proposals. Proposals require six to nine months for processing. Institutions may submit more than one proposal at any time. For further information, contact Dr. Howard Hines, Office of Planning and Resources Management (632-5876).

DOCTORAL DISSERTATIONS IN
ENVIRONMENTAL BIOLOGY

There are no deadlines for receipt of
Doctoral Dissertation Research pro-
posals in Environmental Biology.

Processing of these proposals requires six to nine months. Inquiries regarding support should be addressed to the Division of Environmental Biology, NSF.

PROPOSALS ACCEPTED FOR
FUNDAMENTAL EARTHQUAKE STUDIES

Unsolicited research proposals for
for fiscal year 1980 for fundamental
earthquake studies under NSF's Earth-

quake Prediction and Hazard Mitigation program may be submitted at any time during the fiscal year to NSF's Geophysics program.

Fundamental earthquake studies are concerned with in-depth research and measurements of a basic nature directed toward the development of a more thorough understanding of earthquake phenomena.

Proposals may be submitted by researchers in accordance with the publication Grants for Scientific Research (NSF 78-41A). Proposals will be evaluated by mail and panel review in competition with all other proposals in Geophysics. Refer any questions to Dr. Roy Hanson, Geophysics (632-4219)

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Listed below are some, but not all,
agency deadlines occurring within
the next few months. All grant

applications must be processed through the appropriate academic
department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to
ORA at 373-5925.

National Institutes of Health

Research Grants, new	March 1
Research Grants, renewals.	February 1
Foreign Currency Credit Award.	March 1
NHLBI, Young Investigator Research Grant	March 1
NHLBI/NIAMDD, Special Emphasis Research Career Award:	
Diabetes Mellitus-Cardiovascular, Metabolic and	
Endocrinologic Aspects	Special Date February 15
	Next Deadline June 1
NHLBI/NIAMDD, Special Emphasis Research Career Award:	
Diabetes Mellitus-Obstetrical, Perinatal and Pediatric	
Aspects.	June 1
NEY, Vascular and Circulatory Abnormalities of the Retina	
Including Diabetic Retinopathy Research and Training:	
Individual Postdoctoral Fellowships.	February 1
Institutional Research Training.	February 1
Academic Investigator Awards	February 1
NIAMDD, New Investigator Research Awards in Diabetes	March 1
NIAMDD/NICHD/NIA/NHLBI, Behavioral Studies Related to	
Diabetes Mellitus.	March 1
NEY, Cataract Research	March 1
NIDR, National Caries Program.	March 1
NINCDS, Modification of Activity of Defined Cerebral	
Neuronal Populations by Applied Electrical Fields.	March 1
NHLBI, Microcirculation in Hypertension Research	February 15
NIA, The Genetic Basis of Aging: Protozoa as Models	March 1
NIAMDD, Multipurpose Arthritis Center Grants (Letter of	
Intent by November 1).	February 1
Fogarty International Center, French National Center for	
Scientific Cooperation	May 1
NHLBI, Clinical Investigator Awards.	October 1, 1980
NIAID, New Investigator Research Grant in Clinical	
Immunology and Virology.	March 1
NIAMDD, DTRC Exploratory Grants.	February 1
NIA, Immunology Program--Molecular and Biochemical Program:	
Research Grants.	March 1
Individual Postdoctoral Fellowships.	February 1
Training Grants.	February 1
NIA, Function of the Aging Musculoskeletal System,	
Biophysiology and Pathobiology Program	March 1
NICHD, Maternal Smoking and Pregnancy Outcome.	March 1

National Institutes of Health (cont.)

NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otisclerosis	March 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies.	February 1
NINCDS, Individual Postdoctoral Fellowships, Clinical Research in Otolaryngology	February 1
NIAMDD, Clinical Investigator Award.	February 1
NIAID, Allergic Diseases Award	February 1
NIAID, Immune Mechanisms and Cutaneous Disorders	March 1
NIA, Social and Behavioral Research on Aging:	
Program Project Grants (Letter of Intent due one month prior to due date)	February 1
Postdoctoral Fellowships (Individual).	February 1
Special Research Award	March 1
Senior Fellowship Program.	February 1
Clinical Investigator Award.	February 1
Research Career Development Award.	February 1
Research Grants.	February 1
Special Initiative Award	March 1
Institutional Training Grant	February 1
NIAID, RFA: Characterization of Non-Med Tissue-Specific Alloantigens	March 15
NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NINCDS, Individual Postdoctoral Fellowships in Nutrition.	February 1
NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NIEHS, NINCDS, Institutional Grants in Nutrition.	February 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	March 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases (Letter of Intent by November 15)	February 15
NINCDS, Individual Postdoctoral Fellowship, Speech and/or Language Disorders in Children.	February 1
NIDR, Fluoride Research Grants	March 1
NIA, Gerontological and Geriatric Dermatology (Letters of Intent due one month prior to formal application):	
Research Grants.	March 1
Individual Postdoctoral Fellowship	February 1
Research Career Development Award.	February 1
NIAMDD, Research Interests of the Chronic Renal Disease Program.	March 1
NIEHS, Mid-Career Development Award--Environmental Toxicology	February 1
NIA/NIAID/NIAMDD/NICHD/NCI/NIDR/NIEHS/NEY/NIGMS/NHLBI/NINCDS/DRR: National Research Service Awards for Senior Fellows	February 1
NHLBI, Effects of Smoking on the Blood and Cardiovascular and Respiratory Systems	March 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent by November 1)	February 1
NIH, National Research Service Awards for Short-Term Training in Health Professional Schools.	May 1
NIA, NIDR, Geriatric Dentistry Academic Award.	March 1

National Institutes of Health (cont.)

NIAID, Pseudomonas Infection in Cystic Fibrosis.	March 1
NHLBI, Preventive Cardiology Academic Award.	April 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis.	March 1
NIH, Support of Meetings	Open
NIAID, RFA: Asthma and Allergic Disease Centers for Immunodermatologic Studies	February 15
NIDR, Acquired Craniofacial Defects.	March 1
NIGMS, Burn and Trauma Research and Research Training:	
Research Center Grants	February 1
Program Project Grants	February 1
Research Grants.	March 1
Research Career Development Awards	February 1
Special Grants for New Investigators	March 1
Individual Postdoctoral Fellowships.	February 1
Institutional Postdoctoral Training.	February 1
NHLBI, Methods for Quantifying the Size and Evaluating the Function of Ischemic and Infarcted Myocardium.	March 1
NICHD, Behavioral and Social Science Research in Mental Retardation	March 1
<u>Health Care Financing Administration</u>	
Grant Applications	April 7
<u>Health Services Administration</u>	
Maternal and Child Health and Crippled Children's Services Projects Grants	January 4
<u>National Center for Health Services Research</u>	
Research Grants.	Open
Grants for Dissertation Research Support	February 15
<u>Alcohol, Drug Abuse, and Mental Health Administration</u>	
Research Grants, new	March 1
Research Grants, renewals.	February 1
Grant Program in Mental Health Service System Research	March 1
Small Grants Program	February 1
Prevention Research and Demonstration Grants, Impact of Severely Disturbed Parents on Children.	February 1
NIAAA/NIDA, Research on Substance Use: Etiology, Epidemiology, Treatment, Prevention, Adverse Effects, and Basic Research and Methodological Developments	March 1
National Research Service Awards, Institutional.	February 1
<u>National Institute of Education</u>	
Grants for Research on Organizational Processes:	
Full Proposal (Preliminary).	April 14
Small Grant.	April 14
Unsolicited Proposals to Conduct Educational Research and Development (Revised Date)	January 3
Research on Law and Government in Education:	
Preliminary Proposals were due October 18--Final due	February 14
Small Grant Proposals.	March 3
Teaching and Learning Research Grants.	January 21
<u>Office of Human Development Services</u>	
Rehabilitation Long-Term Training:	
Rehabilitation Medicine, Rehabilitation Counseling, Prosthetics and Orthotics, Rehabilitation Continuity Education.	February 1

Office of Human Development Services (cont.)

Rehabilitation Facility Administration, Vocational
Evaluation and Work Adjustment, Rehabilitation
Nursing, Rehabilitation Social Work, Rehabilitation
Psychiatry, Rehabilitation Psychology, Physical Therapy,
Occupational Therapy, Speech Pathology and Audiology,
Rehabilitation of the Blind, Rehabilitation of the
Deaf, Rehabilitation Job Placement and Job Development,
Therapeutic Recreation, Rehabilitation of the Mentally
Ill, Undergraduate Education for the Rehabilitation
Services, Other Long-Term Training Areas February 29

U.S. Office of Education

Consumer's Education Program (Revised--To Be Announced). Late February
Foreign Language and Area Studies Research Program January 4
Handicapped Children's Early Education Program
Demonstration Projects, continuation only. January 10
Cooperative Education Program. January 16
Women's Educational Equity Acts Program:
New, general 13.565A January 21
New, small 13.565B January 21
Continuations Only March 13
Handicapped Children's Model Program:
Demonstration Projects, continuation only. March 13
Ethnic Heritage Program. March 5
National Diffusion Network Program January 3
Gifted and Talented Children's Education Program--
Discretionary Program for Professional Development January 25
Teacher Centers Programs:
New--To States by January 31
To USOE March 3
Continuations (as above)
Strengthening Research Library Resources, new & continuing . February 18
Basic Skills Improvement Program:
Basic Skills in School Program February 29
Out-of-School Basic Skills Improvement Program February 29
Teacher Corp '79,' Continuations Only. March 3
Teacher Corp '78,' Continuations Only. March 25
Biomedical Sciences Program. March 28
Metric Education Program February 14
Bilingual Education, Fellowship Program. February 15
Handicapped Student Research, 13.443A. March 17
National Demonstration Projects, Upward Bound, and
Special Services for Disadvantaged Students. March 14
Fund for the Improvement of Postsecondary Education,
The Comprehensive Program:
Preliminary Proposals. January 29
Final Proposals (agency requests). April 8
Domestic Mining and Mineral and Mineral Fuel
Conservation Fellowship Program. January 8
Fund for the Improvement of Postsecondary Education,
Special Focus Program (Continuation Only). March 1

National Science Foundation

For questions on the following, call 373-2784.

Program Deadlines for Proposals (Proposals received after the deadline date will generally be returned to the proposer):

- Jan. 15, 1980. Science for Citizens—Public Service Science Residencies. Request brochure SE 80-61 on the Publications Order Form or for further information, contact Ms. Jean-Albert, Office of Science and Society (282-7770).
- Jan. 15, 1980. Science for Citizens—Forums, Conferences and Workshops, and Planning Studies. Preliminary proposals. Request brochure SE 80-63 on the Publications Order Form or for further information, contact Dr. Rachele Hollander, Office of Science and Society (282-7770).
- Jan. 31, 1980. NSF-NIE Joint Program in Mathematics Education Using Information Technology. Proposals for prototypes. For further information, request brochure SE 80-59 on Publications Order Form or contact Ms. Dorothy Deringer, Development in Science Education (282-7910).
- Feb. 1, 1980. U.S.-Australia Cooperative Science. Long-term Research Visits. For further information, contact Mr. Alan Milsap, Division of International Programs (632-5806).
- Feb. 6, 1980. Special Research Initiation Awards for New Investigators in Information Science. For further information, contact Dr. Edward C. Weiss, Division of Information Science and Technology (632-5818).
- Feb. 29, 1980. Instructional Scientific Equipment. Request brochure SE 80-32 on the Publications Order Form or for further information, contact Dr. John Maccini, Division of Science Education Resources Improvement (282-7033).
- Feb. 29, 1980. U.S.-Switzerland Research Fellowships. For further information, contact the program manager, Division of International Programs (634-7930).
- Feb. 29, 1980. Appropriate Technology. For funding in fiscal year 1980. For further information, contact Dr. Edward Bryan, Division of Intergovernmental Science and Public Technology (634-4333).
- Apr. 1, 1980. Coordinated Ocean Research and Exploration (CORES). Preliminary proposals for 1982 projects and formal proposals for 1981 projects. For further information, contact Dr. M. Grant Gross, Division of Ocean Sciences (632-7356).
- Target Dates for Proposals**
- Proposals received after this cutoff date will be reviewed, although they may miss a particular panel meeting.
- Jan. 28, 1980. Ecology. For further information, contact Dr. David Johnston, Division of Environmental Biology (632-7324).
- Jan. 28, 1980. Ecosystem Studies. For further information, contact Dr. Melvin Dyer, Division of Environmental Biology (632-5854).
- Jan. 28, 1980. Population Biology and Physiological Ecology. For further information, contact Dr. Donald Kaufman, Division of Environmental Biology (632-7317).
- Jan. 28, 1980. Biological Research Resources. For further information, contact Dr. James Callahan, Division of Environmental Biology (632-5854).
- Jan. 28, 1980. Systematic Biology. For further information, contact Dr. John Beaman, Division of Environmental Biology (632-5646).
- Feb. 1, 1980. Public Understanding of Science. Preliminary proposals. Request brochure SE 80-60 or for further information, contact Mr. George Tressel, Office of Science and Society (282-7770).
- Feb. 1, 1980. Specialized Engineering Research Equipment Grants. Request NSF 78-55 on the Publications Order Form or for further information, contact Dr. M. Lih, Division of Chemical and Process Engineering (632-5867).
- Feb. 1, 1980. Biochemistry. For further information, contact Dr. D. MacDonald Green, Division of Physiology, Cellular and Molecular Biology (632-4260).
- Feb. 1, 1980. Biophysics. For further information, contact Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (632-4260).
- Feb. 1, 1980. Cell Biology. For further information, contact Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (634-4117).
- Feb. 1, 1980. Developmental Biology. For further information, contact Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (632-4314).
- Feb. 1, 1980. Genetic Biology. For further information, contact Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (632-5985).
- Feb. 1, 1980. Metabolic Biology. For further information, contact Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (632-4312).
- Feb. 1, 1980. Regulatory Biology. For further information, contact Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (632-4298).
- Feb. 8, 1980. Analysis of Science Resources: Personnel, Funding, Impacts and Outputs. Request brochure NSF 78-47 (revised) on the Publications Order Form or for further information, contact Division of Science Resources Studies: Mr. Morris Cobern, Personnel (634-4655); Mr. Norman Friedman, Funding (634-4625); Dr. Don Buzzelli, Impacts and Outputs (634-4682).

Proposals may be submitted for the following programs at any time of the year. It takes approximately six to nine months to process a proposal.

Doctoral Dissertation Research Proposals in Environmental Biology. Contact: Division of Environmental Biology (632-5854).

Biological Research Resources. Contact: Dr. John L. Brooks, Division of Environmental Biology (632-4135).

Development in Science Education (DISE) (SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (282-7904).

Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technology (632-5824).

Research in Science Education (RISE) (SE 80-55). Contact: Dr. Mary Rowe, Division of Science Education Development and Research (282-7745).

U.S.-Taiwan Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).

U.S.-Republic of Korea Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).

U.S.-East Asia Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (632-5782).

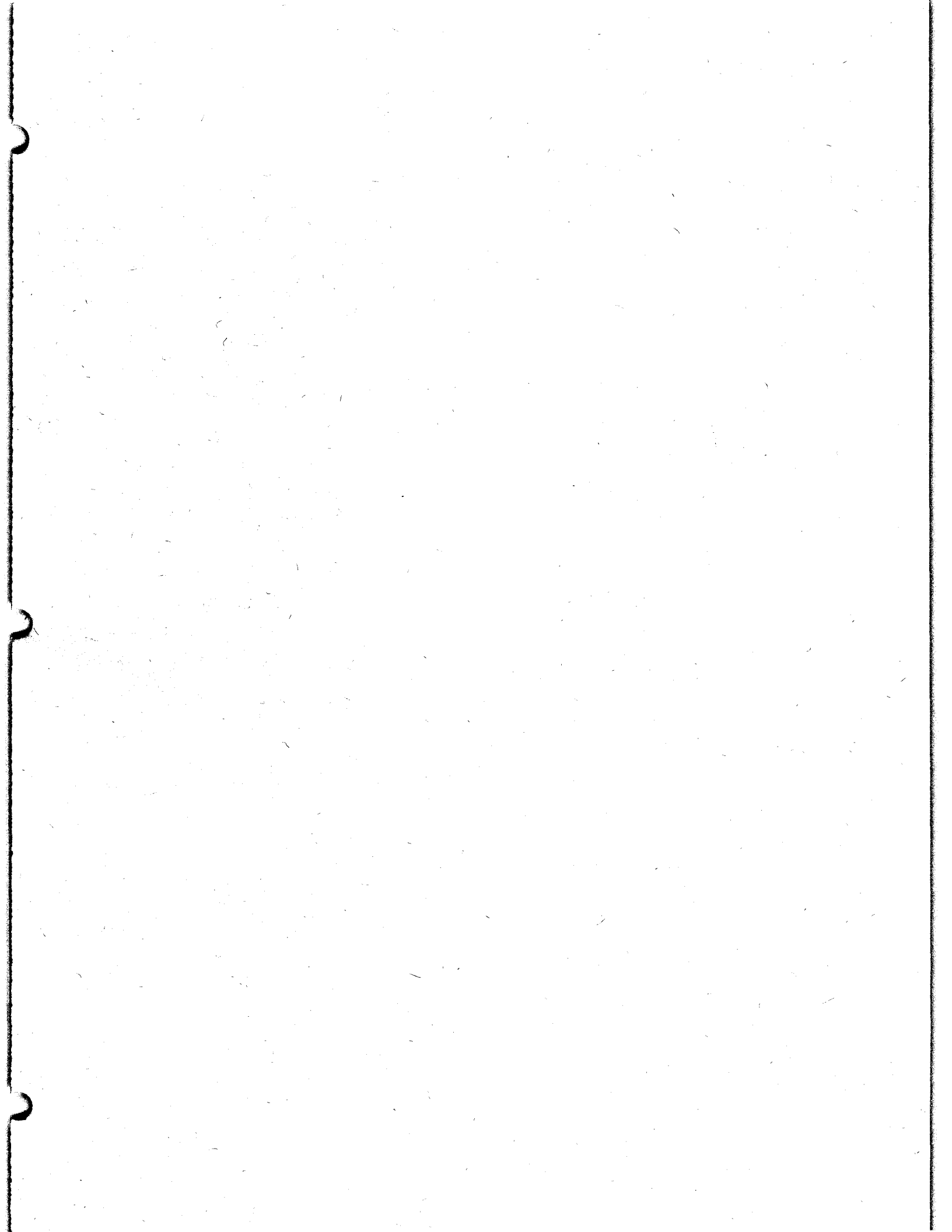
U.S.-Australia Cooperative Science. Short-Term Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).

U.S.-New Zealand Cooperative Science. Short-Term Visits. Contact: Mr. Alan Milsap, Division of International Programs (632-5806).

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

American Cancer Society	
Research Grants	April 1
Post-doctoral Fellowships	March 1
Junior Faculty Research Awards	March 1
Faculty Awards	March 1
Scholars in Cancer Research	March 1
Research Professorships	March 1
American Lung Association	
Nursing Fellowships	April 1
Arthritis Foundation--Minnesota Chapter	February 15
Burroughs Wellcome Fund	
Visiting Professorships in Clinical Pharmacology	May 1
Medical Sciences: Travel Grants to Great Britain	No deadline
Visiting Professorships in Great Britain	No deadline
Cystic Fibrosis Foundation	
Student Traineeships	February 1
Epilepsy Foundation of America	
Research Grants	April 15
Vocational Rehabilitation Fellowships	April 15
Ford Foundation	
International Security and Arms Control (1980 only)	
Research Grants	February 1
IREX (International Research and Exchange Board--with Socialist Countries)	April 30
Juvenile Diageses Foundation	
Research Grants	March 1
McDonald's Corporation	
Emphasis on Community Problem-Solving Grants	No deadline
Minnesota Humanities Commission	March 15
Minnesota Medical Foundation	March 31
Morris Animal Foundation	April 15
National Multiple Sclerosis Society	
Postdoctoral Fellowships	February 15
National Research Council (Ford Foundation)	
Postdoctoral Fellowships (in specific areas)	February 1
Orthopaedic Research and Education Foundation	March 1
Rumyon-Winchell Cancer Fund Fellowships	March 15



Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORARDC Newsletter

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ORA STREAMLINES PROPOSAL PROCESSING

The Office of Research Administration recently analyzed its proposal processing procedures, in light of

sponsoring agency requirements and the analogous procedures of other universities. This analysis revealed that some revisions in ORA procedures are warranted; to process proposals more efficiently, especially at deadlines, and to prevent any discrepancies between proposals and their cover letters.

We will replace our current standard-form cover letter with a card indicating that the attached proposal has been officially approved on behalf of the Regents of the University of Minnesota. Proposals themselves will be of paramount importance in informing the agency of the principal investigators, time, budget, etc. involved. If principal investigators wish to accompany proposals with their own cover letters for a more personalized touch, they are encouraged to do so.

In addition, principal investigators will be sent a transmittal slip containing all the information on ORA's current cover letter, and indicating the date the proposal was forwarded to the sponsoring agency.

We must emphasize that these internal changes will have absolutely no effect on proposals themselves, but should help principal investigators by expediting ORA's proposal processing procedures.

FRINGE BENEFIT RATES -- JANUARY 1 THROUGH JUNE 30, 1980

Following are the fringe benefit rates for billing purposes, January 1 through June 30, 1980

	Academic %	Civil Service %
Health Plan	3.0910	6.4250
Unemployment Compensation	.0227	.1339
Workers Compensation	.0858	.3574
Group Life	.0020	.0372
Retirement	11.0299	6.0000
F.I.C.A.	5.1325	6.2146
	<u>19.3639</u>	<u>19.1681</u>

Estimated rates to be used for budgeting after 6/30/80:

20.0

20.0

U.S. DEPARTMENT OF ENERGY
ANNOUNCES NEW PROCESSING
PROCEDURES

The U.S. Department of Energy has announced new processing procedures for contract renewals, technical reports and approval requests.

Requests of Renewal proposals must be submitted four (4) months prior to the end of the current funding period. Six (6) copies are required. Proposal packages must contain identification of: (1) scope of work, (2) budget estimates including effort of principal investigator(s), (3) financial statement of estimated costs, (4) Form 538 Notice of Energy RD&D Project and Certification Booklet.

Technical Reports by investigators must be properly numbered and submitted together with Form 427, under separate cover. Six (6) copies are required.

All extraordinary Requests for Contract Officers Approval during the course of a funded budget period must be counter-signed by an authorized individual in the Office of Research Administration prior to submission to DOE. The agency will return all requests not properly endorsed.

The above item should be processed through proper University channels to USDOE, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois 60439. Technical Reports may be submitted directly to Chicago Operations Office Investigations.

OFFICE OF INTERNATIONAL
PROGRAMS DEADLINE INFORMATION

The Office of International Programs has information--including deadline dates--on fellowship and grant

programs which support international activities. For further information, please contact the OIP at 373-3793.

NIE ISSUES BROCHURE RELATING TO
"FUNDING OPPORTUNITIES, FY 1980"

The Office of Research Administration has recently received a pamphlet outlining proposed grant competitions. Copy may be obtained from ORA at

applicable to NIE during FY 1980. 373-5925.

NHLBI POLICY AND GUIDELINES
FOR INVESTIGATOR-INITIATED
COLLABORATIVE CLINICAL TRIALS

The existence and availability of a "National Heart, Lung, and Blood Institute Policy and Guidelines for Investigator-

Initiated Collaborative Clinical Trials" is announced. This document is not a solicitation or a program announcement seeking collaborative clinical trials. It is a document which summarizes

the policies and guidelines of NHLBI to aid potential applicants. Copies are available from: Executive Secretary, Clinical Trials Review Committee, Review Branch, Division of Extramural Affairs, National Heart, Lung, and Blood Institute, Room 548, Westwood Building, National Institutes of Health, Bethesda, Maryland 20205.

REPRINTING OF STATEMENT OF
APPOINTMENT OF TRAINEE FORMS
(PHS 2271, REV. 8/78) DIVISION
OF RESEARCH GRANTS

The first printing of the August 1978 revision of the Statement of Appointment of Trainee Form (PHS 2271) has an alignment problem involving the DRG Statistical Copy. The second printing of the 8/78 revision is now available and should be used for all trainee appointments. Program Directors should request copies from their PHS awarding components. Central offices should request copies from the Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20205.

The first printing, which can be identified by (1) the instructions stapled to the form, and (2) the copy distribution identification on the bottom of such pages in black letters, should be destroyed. The instructions on the second printing are an integral part of the form and the copy identification lettering is in red.

OUTBREAK OF ECTROMELIA
(MOUSE POX)

Ectromelia (mouse pox) has recently been identified in a colony of mice housed at the NIH campus in Bethesda.

Subsequent investigations revealed that the disease is present in at least one contract laboratory that has exchanged mice or their tissues with the affected NIH laboratory. Mice obtained directly from NIH veterinary resources colonies are not infected. While ectromelia does not represent a hazard to humans, it is a widely feared disease in laboratory mice. In susceptible colonies, it can spread rapidly and be highly fatal.

Attempts are being made to alert those institutions by direct contact that are known to have received suspect animals or materials. In addition, NIH has identified principal investigators believed to be utilizing mice in their studies and has alerted them directly.

The experience at NIH suggests that research institutions should not assume that their mouse colonies are free of ectromelia without definite proof. Individuals desiring additional information about ectromelia should contact: Albert E. New, DVM, Director, Laboratory of Animal Science, OD, NCI, NIH, 9000 Rockville Pike, Bethesda, Maryland 20205. Telephone: (301) 496-1866.

NSF--DIVISION OF POLICY RESEARCH
AND ANALYSIS

For almost ten years the National Science Foundation has supported technology assessment projects, research on methodology development, and activities to improve utilization of technology assessments. Because technology assessment has matured into a significant policy analysis activity, the focus of the technology assessment program now resides in the Division of Policy Research and Analysis (PRA).

The Program Announcement for Extramural Research (NSF 78-78), issued by PRA in December 1978, identifies two specific areas of interest for substantive technology assessment proposals. These are:

1. Technologies Developed Through Government-Supported Programs, and
2. Technologies Derived from New Discoveries in Basic Sciences that may be Implemented on a National or International Scale.

In addition, research proposals for methodology development and utilization are invited. NSF suggests that a brief letter (2-4 pages) description be submitted to initiate discussion with their program. Letters of interest should be sent to: Technology Assessment and Risk Analysis Program, Division of Policy Research and Analysis/STIA, National Science Foundation, Washington, D.C. 20550.

A brief overview of technology assessment is available for your information. Contact 373-2784.

COOPERATIVES RESEARCH AND
DEVELOPMENT--ESCS

The Cooperatives Research and Development Program--administered through Economics, Statistics and Cooperatives Service (ESCS) and U.S. Department of Agriculture--supports disciplines in economics (agricultural) and sociology (rural). Examples of research supported are: 1) Study of Attitudes and Participation of 1,800 Farmers as Directors on Cooperatives Boards; 2) Export Marketing of Soybeans; 3) Development and Evaluation of Joint Operation of Transportation and Packing Facilities; and 4) Structure, Policy, and Problems of Farm Machinery Services. Proposals are accepted at any time during the year.

Questions regarding the above should be referred to Fran Welch, ORA, at 373-2985.

STATISTICS RESEARCH--ESCS

The program in Statistics Research--administered by Economics, Statistics, and Cooperative Service (ESCS) and U.S. Department of Agriculture--supports disciplines in data processing, survey design, statistics, and data collection. Examples of research supported

(continued)

include: 1) Utilization Estimates for Fresh Sales and Principle Processing Uses for all Noncitrus Fruits; 2) Development of Crop Yield Models and Evaluation of the Leeper Yield Model for Corn; 3) New and Improved Methods of Area Sampling Frame Construction; 4) Basic Statistical Theory Development; and 5) The Theory of Multiple Frame Sampling.

Awards are primarily cooperative agreements based on unsolicited proposals. Typically, cost-sharing of about 25% is required from the applicant. Contracts are issued on rare occasions. Unsolicited proposals are accepted at any time during the year.

ECONOMICS RESEARCH--ESCS

The program in Economics Research--administered by Economics, Statistics, and Cooperatives Service (ESCS) and U.S. Department of Agriculture--supports disciplines in economics, conservation, production analysis, statistics, agronomy, polling, trade and marketing. Examples of research supported include: 1) economic analysis of pest management for cotton, small grains, and apples; 2) energy related adjustments in Midwest agriculture; and 3) transmission of farm prices and marketing cost to retail food stores.

The objectives of the program are to conduct research and disseminate information on the economic factors affecting agriculture, food production and use, and rural community life. RFP's are issued in the Commerce Business Daily. The Economics unit also accepts unsolicited proposals in areas of high research priority. For further information, contact the Deputy Administrator for the Economics Unit or the appropriate Division Director.

For a comprehensive review of FY '78 project results, plan for high priority work in 1979, and research needs for the 1980's, see USDA-ESCS publication entitled: Program Results and Plans, published in December, 1978. To obtain a copy, write: Director, ESCS Information Division, Benjamin R. Blankenship, Jr., Rm. 448 GHI, 500 12th Street, S.W., Washington, D.C. 20205. Note: In February, 1980 there should be an update of this publication.

FORESTRY RESEARCH PROGRAM--USFS

The Forestry Research Program--administered by the Forest Research Office, U.S. Forest Service and Department of Agriculture--accepts proposals submitted to Regional Experiment Stations at any time during the year. Disciplines supported include forestry and wildlife management, forest fire protection, wildlife biology, entomology, ichthyology. Examples of research supported include: 1) The Southwest Frozen Assets; Snowpack Management; 2) Response of Juvenile Salmonid Populations to Debris Removal in Selected Southeast Alaska Streams; 3) Recovery of a Defrosted Ecosystem; 4) Complex Mass-Movement Terrains in the Western Cascade Range.

State and local governments should obtain USDA publications FMC 74-7 and 74-7. Educational institutions should obtain USDA publications

AGPR (41 CFR) Form AD-455 and Form AD-452. All information is available upon request from the Office of the Deputy Chief for Research, U.S. Forest Service, Department of Agriculture, P.O. Box 2417, Washington, D.C. 20013. Phone: Mr. Robert E. Buckman, (202) 447-6665.

RESEARCH FELLOWSHIPS IN MARINE POLICY AND OCEAN MANAGEMENT

Woods Hole Oceanographic Institution offers fellowships to professionals in social

sciences, law, or natural sciences to conduct research in Marine Policy and Ocean Management. The objective of the fellowship program is to provide an advanced learning experience in ocean policy problems which require the interdisciplinary application of science, technology and social science. Stipend is \$16,500 for one year. In addition, modest research and travel funds will be made available. Application deadline is March 1, 1980. Contact: Dean of Graduate Studies, Clark Laboratory, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543. Or phone (617) 548-1400.

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

- Research Grants, new March 1
- Research Grants, renewals. June 1
- Foreign Currency Credit Award. March 1
- NHLBI, Young Investigator Research Grant March 1
- NHLBI/NIAMDD, Special Emphasis Research Career Award:
 - Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects Special Date February 15
 - Next Deadline June 1
- NHLBI/NIAMDD, Special Emphasis Research Career Award:
 - Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects. June 1
- NIAMDD, New Investigator Research Awards in Diabetes March 1
- NIAMDD/NICHD/NIA/NHLBI, Behavioral Studies Related to Diabetes Mellitus. March 1
- NEY, Cataract Research March 1
- NIDR, National Caries Program. March 1

National Institutes of Health (cont.)

<u>NINCDS, Modification of Activity of Defined Cerebral</u>	
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NIA, The Genetic Basis of Aging: Protozoa as Models	March 1
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Fogarty International Center, French National Center for Scientific Cooperation	May 1
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NCI, NEY, NHLBI, NIA, NIAMDD, NIDR, NIEHS, NINCDS, Institutional Grants in Nutrition.	June 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	March 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases (Letter of Intent by November 15)	February 15
NINCDS, Individual Postdoctoral Fellowship, Speech and/or Language Disorders in Children.	June 1
NIDR, Fluoride Research Grants	March 1
NIA, Gerontological and Geriatric Dermatology (Letters of Intent due one month prior to formal application):	
Research Grants.	March 1

NIA, Gerontological and Geriatric Dermatology (cont.)	
Individual Postdoctoral Fellowship	March 1
Research Career Development Award.	June 1
NIAMDD, Research Interests of the Chronic Renal Disease Program.	March 1
NIHHS, Mid-Career Development Award--Environmental Toxicology	June 1
NIA/NIAID/NIAMDD/NICHD/NCI/NIDR/NIEHS/NEY/NIGMS/ NHLBI/NINCDS/DRR: National Research Service Awards for Senior Fellows	June 1
NHLBI, Effects of Smoking on the Blood and Cardio- vascular and Respiratory Systems	March 1
NIAMDD, Diabetes Research and Training Centers (Letter of Intent by February 1)	June 1
NIH, National Research Service Awards for Short-Term Training in Health Professional Schools.	May 1
NIA, NIDR, Geriatric Dentistry Academic Award.	March 1
NIAID, Pseudomonas Infection in Cystic Fibrosis.	March 1
NHLBI, Preventive Cardiology Academic Award.	April 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis.	March 1
NIH, Support of Meetings	Open
NIAID, RFA: Asthma and Allergic Disease Centers for Immunodermatologic Studies	February 15
NIDR, Acquired Craniofacial Defects.	March 1
NIGMS, Burn and Trauma Research and Research Training:	
Research Center Grants	June 1
Program Project Grants	June 1
Research Grants.	March 1
Research Career Development Awards	June 1
Special Grants for New Investigators	March 1
Individual Postdoctoral Fellowships.	June 1
Institutional Postdoctoral Training.	June 1
NHLBI, Methods for Quantifying the Size and Evaluating the Function of Ischemic and Infarcted Myocardium.	March 1
NICHD, Behavioral and Social Science Research in Mental Retardation	March 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIEHS/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems.	March 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: Epidemiology of Diabetes: Research Grants.	March 1
New Investigator Awards.	March 1
Individual Postdoctoral Research Service Award	June 1
Research Career Development Award.	June 1
Special Emphasis Research Career Award	June 1
NEI Academic Investigator Award.	June 1
NIAMDD, Clinical Investigator Award.	June 1
NHLBI, Pulmonary Academic Award.	April 1
NHLBI, RFA: Specialized Centers of Research	September 15
(For the following, Letters of Intent must be submitted by July 1, 1980)	
Chronic Obstructive Lung Diseases	
Pediatric Pulmonary Diseases	
Fibrotic and Immunologic Interstitial Lung Diseases	
Pulmonary Vascular Diseases	

National Institutes of Health (cont.)

- NHLBI, RFA: Nutritional Status and Non-Respiratory Lung Infection March 14
- NHLBI, RFA: Specialized Centers of Research on Arteriosclerosis (Letter of Intent by 6/16/80) September 2
- NCI, Smoking, Cancer and Health Program. March 1
- NCI, Diet, Nutrition, and Cancer Program March 1
- NCI, Preventive Oncology Academic Award. March 1
- NIA/NIAID/NIAMDD/NCI/NICHD/NIDR/NIEHS/NEI/NIGMS/NHLBI/NLM/NINCDS/DRR: New Investigator Research Award March 1
- NIOHS, Grants for Research Demonstrations Relating to Occupational Safety and Health. March 1

National Center for Health Services Research

- Research Grants. Open
- Grants for Dissertation Research Support February 15

Alcohol, Drug Abuse, and Mental Health Administration

- Research Grants, new March 1
- Research Grants, renewals. June 1
- Grant Program in Mental Health Service System Research March 1
- Small Grants Program June 1
- NIAAA/NIDA, Research on Substance Use: Etiology, Epidemiology, Treatment, Prevention, Adverse Effects, and Basic Research and Methodological Developments March 1
- National Research Service Awards, Institutional. June 1

National Institute of Education

- Grants for Research on Organizational Processes:
 - Full Proposal (Preliminary). April 14
 - Small Grant. April 14
- Unsolicited Proposals to Conduct Educational Research and Development (Revised Date) June 30
- Research on Law and Government in Education:
 - Small Grant Proposals. March 3

Office of Human Development Services

- Rehabilitation Facility Administration, Vocational Evaluation and Work Adjustment, Rehabilitation Nursing, Rehabilitation Social Work, Rehabilitation Psychiatry, Rehabilitation Psychology, Physical Therapy, Occupational Therapy, Speech Pathology and Audiology, Rehabilitation of the Blind, Rehabilitation of the Deaf, Rehabilitation Job Placement and Job Development, Therapeutic Recreation, Rehabilitation of the Mentally Ill, Undergraduate Education for the Rehabilitation Services, Other Long-Term Training Areas February 29

Health Resources Administration

- Emergency Medical Services Training Grants February 15

U.S. Office of Education

- Consumer's Education Program (Revised--To Be Announced). Late February
- Handicapped Children's Early Education Program (to be eligible must have completed three years of the Handicapped Children's Early Education Program)--Outreach. February 27
- Citizen's Education for Cultural Understanding February 25
- Library Training February 19
- Community Education (Revised--To Be Announced) Late March
- Women's Educational Equity Acts Program:
 - New, General 13.565A (Revised--was January 21) To Be Announced
 - New, Small 13.565B (Revised--was January 21) To Be Announced
 - Continuations Only March 13

U.S. Office of Education (cont.)

Handicapped Children's Model Program

- Demonstration Projects only. March 13
- Ethnic Heritage Program. March 5
- Teacher Centers Programs:
 - New--To States by January 31
 - To USOE March 3
 - Continuations (as above)
- Strengthening Research Library Resources, new & continuing . February 18
- Basic Skills Improvement Program:
 - Basic Skills in School Program February 29
 - Out-of-School Basic Skills Improvement Program February 29
- Teacher Corp '79,' Continuations Only. March 3
- Teacher Corp '78,' Continuations Only. March 25
- Biomedical Sciences Program. March 28
- Metric Education Program February 14
- Bilingual Education, Fellowship Program. February 15
- Handicapped Student Research, 13.443A. March 17
- National Demonstration Projects, Upward Bound, and Special Services for Disadvantaged Students. March 14
- Fund for the Improvement of Postsecondary Education, The Comprehensive Program:
 - Final Proposals (agency requires). April 8
- Fund for the Improvement of Postsecondary Education, Special Focus Program, continuation only March 1
- Handicapped Student Research, 13.443A. March 17
- National Demonstration Projects, Upward Bound, and Special Services for Disadvantaged Students. March 14

National Science Foundation

Questions regarding the following deadlines should be referred to ORA at 373-2784.

- NSF-NIE Joint Program in Mathematics Education Using Information Technology. Proposals for prototypes. For further information, request brochure SE 80-59 on the Publications Order Form or contact Ms. Dorothy Deringer, Development in Science Education (202) 282-7910 February 14
- Science for Citizens (SFC) Public Service Science Centers. . . February 28
- Instructional Scientific Equipment Program (ISEP). February 29
- Unsolicited Research Proposals for the Division of Social and Economic Science (Proposed Starting Dates: September/October 1980)--Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Measurement Methods and Data Resources, Political Science and Sociology. February 29
- Policy Research and Analysis. For further information, contact Ms. Agnes Rhodes, Division of Policy Research and Analysis, (202) 632-5990 March 1
- Specialized Engineering Research Equipment Grants. For further information, contact Dr. John Del Gobbo, Engineering and Applied Science, (202) 632-7426. March 1

Unsolicited Research Proposals for the Division of Applied Research (Proposed starting dates: September/October 1980)-- Programs include: Applied Physical, Mathematical, and Biological Sciences and Engineering; Applied Social and Behavioral Sciences. March 14
 Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies--Formal Proposals with the earliest starting date of September 15, 1980. March 17
 U.S.-India Exchange of Scientists (for Visits to commence after November 15, 1980) March 17
 Unsolicited Research Proposals for the Science and Technology to Aid the Handicapped Program (Division of Problem-Focused Research)--Announcement of Awards: October 1980 March 25
 U.S.-Japan Cooperative Science Program (for Cooperative Research with starting dates between January 1, 1981 and December 31, 1981) March 31
 Unsolicited Research Proposals for the Development in Science Education (DISE) Program--Preliminary Proposals with proposed starting dates in January/February 1981--Research areas include: Science for the Early Adolescent; Improving Access to Careers in Science for Women, Minorities, and the Physically Handicapped; Science Literacy, and Science, Technology, and Society; New Knowledge and New Skills--Education for Productivity; and, Technology for Science Education. March 31
 Unsolicited Research Proposals for the Research in Science Education (RISE) Program (Proposed Starting Dates: January/February 1981)--Research Areas include: Science Education for the Early Adolescent; Science for Women, Minorities, and the Physically Handicapped; Technology in Science Education; Science Literacy; and, Cognitive Processes and the Structure of Knowledge March 31
 Ethics and Values in Science and Technology (EVIST)--Formal Proposals with the earliest starting date of October 1, 1980. April 1
 International Travel Grant Program (for Group Travel with starting dates between January 1, 1981 and March 31, 1981; for Individual Travel with travel dates between July 1, 1980 and September 30, 1980). April 1
 Public Understanding of Science (PUOS) Program--Formal Proposals with the earliest starting date of October 1, 1980. April 1
 U.S.-Australia Cooperative Science Program (for Seminars/Workshops with starting dates between January 1, 1981 and June 30, 1981) April 1
 U.S.-New Zealand Cooperative Science Program (for Long-Term Visits with starting dates between December 1, 1980 and May 31, 1981). April 1
 Unsolicited Research Proposals for Biological Instrumentation Program (Announcement of Awards: September/October 1980). April 30
 Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: October 1, 1980)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics April 30

- Ethics and Values in Science and Technology (EVIST)--
Preliminary Proposals with the earliest starting
date of February 1, 1981 May 1
- U.S.-Latin America Cooperative Science Program (Proposed
Starting Date: January 1, 1981) May 1
- Unsolicited Research Proposals for the Climate Dynamics
Program (Proposed Starting Date: November 1, 1980). May 1
- Unsolicited Research Proposals for the Division of
Earth Sciences (Proposed Starting Dates: January/
February 1981)--Programs include: Geochemistry,
Geology, Geophysics, and Petrology May 1
- Unsolicited Research Proposals for the Division of Policy
Research and Analysis (Proposed Starting Dates: Winter 1980/
Spring 1981)--Areas of interest include: Environment, Energy,
and Resources; Innovation Processes and their Management;
Socioeconomic Effects of Science and Technology; Technology
Assessment; and, Cross-Cutting Topics. May 30

PRIVATE

Questions regarding the following deadlines should be referred
to ORA at 373-0773:

- American Cancer Society
 - Research Grants. April 1
 - Personnel Awards March 1
- Burroughs-Wellcome Fund--Visiting Professorships in
Clinical Pharmacology. May 1
- Medical Sciences: Travel Grants to Great Britain--Visiting
Professorships in Great Britain. No Deadline
- IREX (International Research and Exchange Board--with
Socialist Countries)
 - Travel Grants for Senior Scholars. May 31
 - Collaborative Activities and New Exchanges April 30
- Juvenile Diabetes Foundation--Research Grants. March 1
- Minnesota Humanities Commission. March 15 & May 15
- Minnesota Medical Foundation March 31 & June 30
- Morris Animal Foundation Before March 15
- Noyes Foundation March 1
- Orthopaedic Research and Education Foundation
 - Research Grants. March 1
- Rumyon-Winchell Cancer Fund Fellowships. March 15

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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NEH ANNOUNCES CHANGES IN POLICY AND PROCEDURE

The National Endowment for the Humanities has just announced several procedural and policy changes.

- (1) The National Endowment for the Humanities is making every effort to issue award statements as soon as possible after the quarterly council meets, so the notices should be received well in advance of their effective date. If the panelists or staff members feel enough time has not been requested, they may add three to six additional months to the grant period.
- (2) A written request for an extension of the grant period to the appropriate division of the NEH must be made by the grantee's authorizing official no later than 30 days prior to the expiration date. The request must include full justification and a plan of work for the activities to be carried on during the requested extension period. Extensions will not be granted to use unexpended funds. If approved, a grant amendment will be sent to the grantee. Extensions will not normally exceed twelve months, and only under the most unusual circumstances will further extensions be considered.
- (3) All performance reports (interim and final), and all financial reports are to be sent to the following address: The National Endowment for the Humanities, Grants Office, Mail Stop 200, Washington, D.C. 20506.

CHANGES IN THE PROJECT PERIOD SYSTEM FOR NIH GRANTS

Since its initiation by NIH on July 1, 1964, grantee institutions have become familiar with the "project period grant concept." The purpose of this statement is to explain certain changes in this system for funding grants which become necessary and possible due to the revision of Title 42, Code of Federal Regulations, Part 52, "Grants for Research Projects," effective April 9, 1979. These adjustments bring NIH into compliance with PHS Grants Administration Manual Chapter 1-85, "The Project Period System of Obligating Funds for Discretionary Project Grants."

(continued)

In the past, each competing segment of a grant--whether the support covered one, or up to five budget periods--was considered as a separate and individual project period. This gave recognition to a continuum of support for the project over the total number of years which were recommended for support. By Regulation, a project period could not exceed seven years and by NIH administrative policy the period has been limited, except in unusual cases, to five years. The amended Regulation redefines "Project Period," as that period of time which is reasonably required to initiate and conduct a research project, including the initial period of support and any extension of that period (with or without the award of additional funds). Under the revised definition, with competing continuations being considered as extensions of the initially recommended project period, it is now possible to have project periods lasting five, ten, fifteen, or more years. Such an approach obviously impacts on administrative procedures related to the award process.

Administrative Procedures

1. Phased-In Implementation. The NIH approach to implementation is being handled through phasing-in competing continuation grant awards (Type 2) starting with those having beginning dates of July 1, 1979 and later. The following example is provided:

- (a) A Type 1 new application was reviewed in 1976 and recommended for three years beginning July 1, 1976. The grant award statement indicated a project period of 7/1/76-6/30/79.
- (b) A Type 2 application for this project receives a recommendation for four additional years of support--running from 7/1/79 to 6/30/83. To phase this award into the new approach, the four additional years are considered as an extension of the initial competitive segment of support and the award statement would show a total project period of 7/1/76-6/30/83 and a budget period of 7/1/79-6/30/80.

The same approach is to be followed if the prior competitive segment of support (shown as "a" in the above example) was initiated as a Type 2 award. In other words, all competing continuation awards with July 1, 1979 and later start dates would pick up the beginning date of the immediately prior competitive segment of support as the start date for the project period to be shown on the award statement. This approach will be followed even in situations where a hiatus in support may have occurred between the end date of the last noncompeting award (Type 5) and the start date of the first budget period of the Type 2 award.

EXCEPTIONS TO THIS PROCESS AND HOW THEY ARE HANDLED

A number of Type 2 awards (particularly training grants) with July 1, 1979 start dates were made early in 1979 prior to the adoption of the above described procedure.

No revision of such award statements will be made. The project period start dates shown on these Type 2 awards will remain for the project period including any extensions thereof.

(continued)

2. Financial Management

- a. Document Numbering System: Under the new project period approach, NIH will continue the previously used document numbering system. The *alpha suffix* of the document number will continue to change with each competing continuation award. As an example, a Type 1 application (1-R01-GM12345-01) is originally approved for a four year project period, 7/1/79-6/30/83, and the awards for all four years will carry a document number 08-R1GM12345A. The Type 2 competing continuation application when submitted is approved for an additional four years, 7/1/83-6/30/87. The document number for the Type 2 award and the three succeeding years will be 08-R1GM12345B. A second Type 2 application is subsequently submitted and is approved for an additional three years, 7/1/87-6/30/90. The document number for the second Type 2 award and two succeeding years will be 08-R1GM12345C. The total project period for this grant will be 7/1/79-6/30/90.
- b. Unexpended Funds (Unliquidated Obligations and Unobligated Balances)--A significant aspect of the change in policy permits the carry-over of unexpended funds between competing segments of the project period. The funds awarded in support of each budget period will remain available for the total time for which support of a project has been approved. As in the example cited in the above paragraph, the funds remain available for the total project period of 7/1/79-6/30/90.

The balance from one budget period will automatically be carried forward into the following budget period provided the same document number is applicable. Again, using the preceding example, the first four years of the approved project have the same document number (08-R1GM12345A), therefore, the balance is automatically carried forward to the 02 through 04 years. The document number changes with the first Type 2 award (08-R1GM12345B). To carry forward a balance from the first document number for the initial project period to the competing continuation award, the NIH Division of Financial Management (DFM) will deobligate the unexpended balance from the first document number (08-R1GM12345A) and reobligate against the document number for the Type 2 (08-R1GM12345B). The DFM has reinstated the use of the "Notice of Disposition of Grant Unexpended Balance" (Attachment I) to advise grantee institutions and NIH awarding components of the action and the amount of funds being carried forward.

Since 42 CFR, Part 52 was revised in April, 1979, the DFM will transfer balances from any Type 5 Reports of Expenditure with end dates of 4/30/79 or later forward to Type 2 competing continuation awards. This will be done regardless of whether or not the Type 2 award statement carries a project period start date which was picked up from the prior competitive segment (See "Exceptions" above). However, if the grant was in a period of hiatus as of April 9, 1979, the unexpended funds cannot be carried forward. The options available to the awarding

components on "when" and "how" to utilize the balances will be the same as those in the previous Type 5 approach. If action is taken promptly following the ROE processing (during the competing continuation year), a revised award statement will be necessary to affect either a funding offset or to provide increased authorization. Otherwise, a determination may be made on the use of the balances at the time of processing the next Type 5 award.

- c. Closing-Out of Awards--The grantee must report expenditures on a cumulative basis for the life of a document number. The DFM will close out (for expenditure reporting) each competing cycle in order to eliminate the necessity for grantees to report the cumulative expenditures for the total project period.
3. Individual Periods of Recommended Support. It is important to note that, regardless of adjustment in the project period definition, NIH policy limitations on the length of time for which an awarding component may make an advance commitment for research project, program project or training grant awards remains at five years (initial year plus four additional years).
4. Pre-Award Costs. The change in administrative procedures for funding grants under the project period system in no way alters the basic policy on pre-award costs. Such costs incurred prior to the beginning date of the first budget of a *competing* continuation of an existing grant are not allowable unless authorized in writing by an official who has been formally delegated the authority to obligate the Government for grant awards. The incurrance of preaward costs without prior NIH approval will continue to be possible only in situations where the next award will be a Type 5 noncompeting continuation grant.

NATIONAL RESEARCH SERVICE AWARD
(NRSA) NON-TRAINEE EXPENSES--
INSTITUTIONAL ALLOWANCES:
ADJUSTMENT FOR NEW AND COMPETING
AWARDS MADE AFTER JULY 1, 1980

A. Institutional NRSA Training Grants--
The policy which limits support of non-trainee expenses to 25% of the total anticipated award has been modified. The maximum amount which can be requested is now based on a calculation

which may provide up to \$3,000 per year for each predoctoral trainee and \$5,000 per year for each postdoctoral trainee. This is not an automatic allowance. It represents the maximum allowable direct cost for essential

(continued)

support costs to the training program. Indirect cost may also be requested at 8% of total allowable direct cost or actual rate, whichever is less. Calculations of trainee costs, e.g., stipends, tuition and fees are not considered part of the institutional cost and are not affected by this change.

B. Individual Postdoctoral NRSA Fellowships

1. Postdoctoral Awards--Non-Federal Institutions. An institution may request funds of up to \$5,000 per 12-month period to the non-Federal sponsoring institution to help defray such awardee expenses as tuition and fees, appropriate health insurance, research supplies, equipment, travel to scientific meetings and related items. The allowance is under control of the sponsoring institution.
2. Postdoctoral Awards--Federal Institutions. An allowance of up to \$2,000 is available for the individual sponsored by a Federal laboratory for scientific meetings, travel expenses, appropriate health insurance, tuition and fees.

C. Senior Fellowship Awards: Allowances for the Senior Fellowship Awards are treated in the same manner as those for individual postdoctoral NRSA awards.

The new allowances are to be used in the preparation of all future NRSA applications. No retroactive adjustments will be made. Training program directors and individual NRSA awardees will be contacted by the awarding Institute as soon as implementation procedures have been completed.

Application forms and detailed instructions specific to this program should be requested from: Office of Grants Inquiries, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20205. Telephone: (301) 496-7441.

PROHIBITION AGAINST USE OF HEW FUNDS TO PAY FOR COSTS OF INFLUENCING LEGISLATION

Section 407 of the 1980 Labor-HEW Appropriation Bill (HR 4389) provides that "No part of any appropriation contained in this Act shall be

used to pay the salary or expenses of any grant or contract recipient or agent acting for such recipient to engage in any activity designed to influence legislation or appropriations pending before the Congress." Although HR 4389 was not enacted, due to failure of the Senate and House to agree on language relating to Federal funding of abortions, its provisions are incorporated by reference in P.L. 96-123, the Continuing Resolution for Fiscal Year 1980. The Continuing Resolution provides (in Section 102(d)), that funds will be provided "at a rate of operations, and to the extent and in the manner..." as provided by the House-passed version of HR 4389. (Emphasis added.) This Continuing Resolution is expected to apply for all of FY 1980.

(continued)

This provision means that the costs associated with activities to influence legislation pending before the Congress (commonly referred to as "lobbying") are unallowable as charges to HEW grants and contracts. The provision became effective upon the enactment of the 1980 Continuing Resolution on November 20, 1979, and is applicable to all HEW grants and contracts awarded from funds appropriated pursuant to that law. It should be noted, however, that even without this legal prohibition, the costs of lobbying activities would normally be unallowable since such costs generally do not benefit the work performed under HEW grants and contracts.

GRANTS ASSOCIATES PROGRAM
PUBLIC HEALTH SERVICE

Scientists interested in an administrative career with Federal programs supporting research, training, and

services in health-related fields may wish to consider the Grants Associates Program of the U.S. Public Health Service. The program is governed by the Grants Associates Board and is administered by the Division of Research Grants, National Institutes of Health.

The program prepares each Grants Associate for a responsible position in health science administration in the Federal government. For a 12-month period, the Grants Associate participates in an individually structured training experience including on the job assignments, courses, and seminars. The program provides opportunities for participation in the development and administration of policies in Federal support of health-related research, and in the fundamentals of effective management. The program also attempts to develop a sensitivity to the consequences of program decisions on other Federal health programs, research institutions, and national health needs.

Admission to the program is highly competitive for the few positions available. Motivation for a career in science administration, good interpersonal skills, and evidence of executive potential are important. If you are a U.S. citizen and hold a doctorate or equivalent in a discipline related to the biomedical or behavioral sciences, have significant independent research experience beyond the doctorate (but need not have administrative experience) and are attracted to health science administration as a profession, you should inquire about the Grants Associates Program.

Grants Associates may be appointed either in the U.S. Civil Service at grade levels General Schedule (GS) 12 (\$24,703), GS-13 (\$29,375), or GS-14 (\$34,713) or in the Commissioned Corps of the U.S. Public Health Service at ranks beginning with senior grade (03 Lieutenant, salary dependent on prior military experience, but beginning at \$16,905).

NIH does not discriminate in employment on grounds of race, color, sex, national origin, age, or handicap.

For further information, write: Executive Secretary, Office of Grants Associates, Division of Research Grants, Room 1A-10-Z, Building 31, NIH, Bethesda, Maryland 20205.

CAENORHABDITIS GENETICS CENTER
NATIONAL INSTITUTE ON AGING

The National Institute on Aging (NIA)
has established a *Caenorhabditis* Genetics
Center (CGC), a contracted resource for

the biomedical research community. *C. elegans* strains are available
without cost to all qualified investigators pursuing genetic and/or
related studies with *C. elegans*.

The CGC will acquire, maintain, and distribute wild-type and mutant
strains of *C. elegans* for biomedical research. Laboratories providing
mutants of *C. elegans* will be requested to include such information as name
of strain; names of contained mutation(s); mutagen used; whether the strain
was back-crossed and, if so, how many times; phenotype(s) and genes
affected by the mutation(s), map location(s) of mutation(s); and data
used to determine map locations. The CGC strain collection will include
at least one allele of each identified gene, all available chromosomal
rearrangements, and available closely linked double mutants, as well as
other multiple mutants useful for mapping. The CGC will assure that
nematodes for distribution are free from contamination and that they
conform to visible phenotype description.

Nematodes will be shipped by standard procedures to persons qualified to
utilize them in research and/or training. Each request should include a
brief description of the research and/or research training for which
the culture is intended. Recipients of cultures agree to acknowledge
the CGC and supply the center with two reprints of resultant publications.
Shipments are made at no cost to the requesting laboratory.

The CGC will be responsible for maintaining a current genetic map, nomencla-
ture and related data for *C. elegans*, as well as a list of capital letter
codes and lower case codes assigned to *C. elegans* laboratories for pur-
poses of naming strains and mutations, respectively. New codes will be
assigned to laboratories on request. Participating laboratories will
receive annually a complete code list and the current genetic map.
These materials will also be available to others upon request.

The CGC will develop a computer-based data storage and retrieval system
which will handle descriptive data on strains collected, data used to
generate the genetic map, as well as bibliographic information on research
publications. The CGC will not be fully operational until the Fall of 1980,
but some services are available now.

EXTENSION OF CLOSING DATE IN
ETHICS AND VALUES IN SCIENCE
AND TECHNOLOGY

The closing dates for submission of
applications for Sustained Development
Awards and for Interdisciplinary Incen-
tive Awards sponsored by the National

Endowment for the Humanities and NSF's Ethics and Values in Science and
Technology (EVIST) program have been changed to March 21, 1980. Announce-
ment of the awards will be made in June 1980. For further information
and instructions for completing applications, request brochure SE 80-62A
on the Publications Order Form, or contact Dr. Arthur Norberg, EVIST
Program Manager (202) 282-7770.

NEW PROGRAMS ESTABLISHED WITHIN
THE ENGINEERING AND APPLIED
SCIENCE DIRECTORATE

The following new programs are being
established within NSF's Engineering
and Applied Science Directorate:

Mechanical Systems Program, Mechanical Sciences and Engineering Group,
Division of Civil and Mechanical Engineering. Acting Program Director
is Dr. Clifford Astill (202) 632-5787.

Computer Engineering Program, Division of Electrical, Computer, and Systems
Engineering. Program Director is Dr. Bernard Chern (202) 632-5881.

Kinetics, Catalysis and Reaction Engineering Program, Division of Chemical
and Process Engineering. This program along with the Chemical and
Biochemical Systems Program (see below) resulted from the combination
of the Chemical Process Program and the food and bioprocess engineering
component of the Thermodynamics and Mass Transfer Program. Acting
Program Director is Dr. Farley Fisher (202) 632-5888.

Chemical and Biochemical Systems Program, Division of Chemical and Process
Engineering. Program Director is Dr. William Weigand (formerly Program
Director of the Chemical Process Program which has been disestablished)
(202) 632-5867.

GUIDELINES FOR THE BIOLOGICAL
INSTRUMENTATION PROGRAM IN
PHYSIOLOGY, CELLULAR AND
MOLECULAR BIOLOGY

Guidelines for the Biological Instru-
mentation program in NSF's Division
of Physiology, Cellular and Molecular
Biology are now available. This program
accepts proposals for the purchase of

major instruments needed for the conduct of basic (non-clinical) research
in biology, and for the development of new instruments that extend current
measurement capability. Proposals are accepted from colleges, universities
and other institutions in the U.S. which have formally constituted basic
research programs within areas of biological sciences covered by NSF's
Physiology, Cellular and Molecular Biology Division. The Guidelines are
available by writing Dr. Larry Faller, Biological Instrumentation Program,
NSF.

COOPERATION IN SCIENCE
WITH FRANCE

NSF's U.S.-France Cooperative Science
Program seeks to foster activities be-
tween American and French scientists

and institutions. The cooperating agencies are NSF on the American side
and the National Center for Scientific Research (CNRS), or any other
French agency supporting civilian research, on the French side. The
program consists of four elements: Cooperative Research Projects,
Binational Seminars, Exchange of Junior Post Doctoral Scientists, and
travel support for Long Term Research Visits of American Scientists
to French Institutions. All program activities must be approved,
in each instance, by the CNRS or another appropriate French institution.

(continued)

Deadline for submission of proposals for Cooperative Research Projects and Binational Seminars is May 1, 1980. Applications to the Exchange of Junior Post Doctoral Scientists Program may be submitted September 1 to November 1, 1980. Applications for travel support for Long Term Research Visits will be considered throughout the year. Proposals or letters of interest should not be submitted to NSF prior to consulting the appropriate guidelines, available from the U.S.-France Program, Division of International Programs (202) 634-7930.

LAW ENFORCEMENT ASSISTANCE
ADMINISTRATION

The National Institute of Justice announces a competitive long-term research program to increase our knowledge and understanding of the organized crime problem in the United States. In order to be considered for funding, all proposals must be *postmarked no later than April 4, 1980*. Copies of the solicitation and additional information may be obtained by sending a mailing label to: Organized Crime Program, National Criminal Justice Reference Service, Box 6000, Rockville, Maryland 20850.

LAW ENFORCEMENT ASSISTANCE
ADMINISTRATION--EFFECTS OF
SOCIO-ECONOMIC TRENDS

The National Institute of Justice plans to initiate a program of research to identify and examine the effects of socio-economic trends over the next ten to twenty years on the nature and effectiveness of police services. All papers must be postmarked no later than March 28, 1980. Copies of the solicitation may be obtained by sending a mailing label to: Solicitation Request, "Improving Police Services: The Impact of Socio-Economic Trends," National Criminal Justice Reference Service, Box 6000, Rockville, Maryland 20850. Further information regarding the solicitation can be obtained by contacting Shirley Melnicoe or David J. Farmer, Office of Research Programs, NIJ, 633 Indiana Ave., N.W., Washington, D.C. 20531; telephone (301) 492-9110.

NATIONAL INSTITUTE OF JUSTICE
ANNOUNCES A NEW COMPETITIVE
RESEARCH SOLICITATION

The National Institute of Justice announces a competitive research solicitation aimed at examining the Role of Private Counsel in Indigent Defense. All proposals must be postmarked no later than March 28, 1980. Copies of the solicitation may be obtained by sending a mailing label to: Solicitation Request, Role of Private Counsel in Indigent Defense, National Criminal Justice Reference Service, Box 6000, Rockville, Maryland 20850.

For questions pertaining to this request for proposals, contact the Adjudication Division, Office of Research Programs, NIJ, 633 Indiana Avenue, N.W., Washington, D.C. 20531, telephone: (301) 492-9114.

EMPLOYEE GRIEVANCE DECISIONS IN
CORRECTIONAL AGENCIES

The National Institute of Corrections is at this time soliciting proposals for development of a compilation (case law format) of employee grievance arbitration decisions in corrections over the last twenty-five years. Maximum funds available for this project are \$35,000. Applicants should prepare a concept paper--maximum of five pages (double spaced), one of which contains budget information--entitled, "Employee Grievance Decisions in Correctional Agencies," and submitted in six copies to: National Institute of Corrections, 320 First Street, N.W., Washington, D.C. 20534.

The deadline for submission is March 31, 1980. If further information is needed, please contact: William Wilkey or Mary Lou Commiso of the Institute's staff at (202) 724-3106.

NATIONAL INSTITUTE OF JUSTICE
SOLICITS PRELIMINARY PROPOSALS
ON PROBLEM OF CRIME CAUSATION
AMONG MINORITIES

The National Institute of Justice is soliciting preliminary proposals for research on the problem of crime causation among minorities. The research must address aspects of

issues related to the causes of crime among the major American minority groups: American Indians, Asians, Blacks and Hispanics.

Preliminary proposals must be postmarked no later than May 1, 1980 to be eligible for the competitive award. Copies of solicitation may be obtained by sending a mailing label to: Solicitation Request, Center for the Study of Race, Crime, and Social Policy (Solicitation No. 80-121), National Criminal Justice Reference Service, Box 6000, Rockville, Maryland 20850.

Additional information may be obtained by contacting: Winifred L. Reed, National Institute of Justice, 633 Indiana Ave., N.W., Washington, D.C. 20531, telephone (301) 492-9126.

NATIONAL INSTITUTE OF JUSTICE:
COMPETITIVE RESEARCH GRANT/
COOPERATIVE AGREEMENT;
SOLICITATION OF PROPOSALS

The National Institute of Justice announces a competitive research grant/cooperative agreement to support a study of the probable role of corrections in the United States in the

final two decades of this century. A draft proposal must be received by the Institute no later than April 15, 1980. Additional information and copies of the solicitation may be obtained by writing: Solicitation Request, The Changing Role of Correction, National Criminal Justice Reference Service, Box 600, Rockville, Maryland.

DEPARTMENT OF ENERGY:
AMERICAN SOCIETY FOR ENGINEERING
EDUCATION SUMMER FACULTY PROGRAM

DOE-ASEE will sponsor a summer faculty research program in 1980. Twenty-five science and engineering faculty members will be selected to conduct research

at four Research and Development installations administered by the Solar Thermal Branch of the Department of Energy. Positions are available at: Sandia Laboratories, Albuquerque, New Mexico and Livermore, California; Jet Propulsion Laboratory, Pasadena, California; Solar Energy Research Institute, Golden, Colorado.

Applicants must be U.S. citizens who are faculty members with two years teaching or research experience. The crucial criterion for selection will be the match between an applicant's research interests and experience and the research tasks of the host laboratories.

Application deadline is March 15, 1980. Further information and application forms are available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

NASA PROGRAM TO IMPROVE
SENSORY, DATA AND COMMUNICATION
SYSTEMS IN SPACECRAFT

The National Aeronautics and Space Administration (NASA) is supporting a program to improve sensory, data, and communication systems in space-

craft. Examples of research supported are: Ultrasensitive Detectors: Far IR Sensors; Infra-red Detector Array Development; High-Resolution Lasers: Electro-Optical Sensor Technology; Multi-Function Microwave: Broadband Radiometers; Precision Pointing and Control: Advanced Spacecraft/Experiment Systems; On-Board Data Processing: Synthetic Aperture Radar (SAR) Image Processor; and High-Density Circuit Technology--Computer Aided Design and Testing.

The four program elements and research priority areas for each aspect of the program are as follows:

Sensor Systems: (1) Development of improved infra-red detectors; (2) Development of multi-function microwave sensors; and (3) Development of laser sensing systems.

Data Systems: (1) Development of advanced data systems including high density circuit technology, high-speed data transfer, and on-board data processing; and (2) NASA End-to-End Data Systems Program (NEEDS)--of highest priority is the development of an advanced archival storage system to replace the use of magnetic tapes for data storage.

Sensor Support Systems: (1) Development of high accuracy instrument pointing systems--with longer life, lower weight, and less power use; and (2) Development of sensor cooling systems.

Communications Systems: (1) Advanced communications research and technology--establish the technical, economic, and institutional feasibility of alternate systems concepts for the collection and integration of several diverse satellite-based communications into a single system.

(continued)

NASA supports disciplines in mathematics, data processing, computer sciences, electrical engineering, aeronautical engineering, and astronautical engineering.

For unsolicited proposal guidelines obtain a copy of NASA publication NHB 5100.3 entitled "A Guide to Policies and Procedures for Sponsored Research" by writing: NASA, Proposal Control Officer, Code Y, Washington, D.C. 20546. More specific guidelines for solicited proposals can be found in the "Announcement of Opportunity" for that particular project. Requests to be placed on the no-cost mailing list for special announcements regarding forthcoming programs must be mailed directly to NASA, Washington, D.C. 20546 (Code EPM 3).

SPONSOR DEADLINES FOR RECEIPT OF APPLICATIONS

Listed below are some, but not all, agency deadlines occurring within the next few months. All grant

applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

Research Grants, New	July 1
Research Grants, Renewals.	June 1
Foreign Currency Credit Awards	July 1
NHLBI, Young Investigator Award Research Grant	July 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects.	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants.	July 1
Individual Postdoctoral Fellowship	June 1
Program Project Grant.	June 1
Special Research Award (New Investigators)	July 1
Research Career Award.	June 1
Institutional Training Grant	June 1
NIA, Biomedical Research and Clinical Medicine	July 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NINCDS: Postdoctoral Fellowships in Nutrition	June 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NIEHS/NINCDS: Institutional Grants in Nutrition.	June 1
NIAMDD, Research Interests of the Chronic Renal Disease Program.	July 1
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent by March 1; Proposal June 1; Letter of Intent by July 1)	October 1
Fogarty International Center: French National Center for Scientific Cooperation	May 1
NHLBI, Clinical Investigator Award	October 1

National Institutes of Health (cont.)	
NIAMDD, Clinical Investigator Award.	June 1
NIAID, New Investigator Research in Clinical Immunology and Virology	July 1
NIAID, Allergic Diseases Academic Award.	June 1
NIAMDD, DRTC Exploratory Grants.	June 1
NIA, Immunology Program--Molecular and Biochemical Program:	
Research Grants.	July 1
Individual Postdoctoral Fellowships.	June 1
Institutional Training Grants.	June 1
NIAID, Immune Mechanisms and Cutaneous Disorders	July 1
NIDR, Craniofacial Defects	July 1
NIA, Function of the Aging Musculoskeletal System, Bio- physiology and Pathobiology Program.	July 1
NIA, Social and Behavioral Research on Aging:	
Program Project Grants (Letter of Intent one month prior to date)	June 1
Postdoctoral Fellowships	June 1
Special Research Award	July 1
Senior Fellowship Program.	June 1
Clinical Investigator Award.	June 1
Research Career Development Award.	June 1
Research Grants.	July 1
Special Initiative Awards.	July 1
Institutional Training Grant	June 1
NIAID, RFA: Characterization of Non-MHC Tissue-Specific Alloantigens	March 15
NINCDS, Genetic and Biochemical Bases of Otosclerosis.	July 1
NIGMS, Burn and Trauma Research and Research Training:	
Research Center Grants	June 1
Program Project Grants	June 1
Research Grants.	July 1
Research Career Development Awards	June 1
Special Grants for New Investigators	July 1
Individual Postdoctoral Fellowships.	June 1
Institutional Postdoctoral Training.	June 1
NHLBI, Methods for Quantifying the Size and Evaluating the Function of Ischemic and Infarcted Myocardium.	July 1
NICHD, Maternal Smoking and Pregnancy Outcome.	July 1
NICHD, Behavioral and Social Science Research in Mental Retardation	July 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	July 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies	July 1
NINCDS, Individual Postdoctoral Fellowships--Clinical Research in Otolaryngology	June 1
NINCDS, Individual Postdoctoral Fellowships--Speech and/or Language Disorders in Children	June 1
NIDR, Fluoride Research Grants	July 1
NIAMDD, New Investigator Research in Diabetes.	July 1
NHLBI/NIAMDD, SERCA--Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects	June 1

National Institutes of Health (cont.)

NIH, National Service Awards for Senior Fellows.	June 1
NHLBI, The Effects of Smoking on the Blood and Cardiovascular and Respiratory Systems	July 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIEHS/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems.	July 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes:	
Research Grants.	July 1
SERCA.	June 1
Research Career Development Awards	June 1
New Investigator Research Awards	July 1
Academic Investigator Awards	June 1
Clinical Investigator Awards	June 1
Individual Postdoctoral Fellowships.	June 1
NHLBI, Pulmonary Academic Award.	April 1
NHLBI, RFA: Specialized Centers of Research in Chronic Obstructive Lung Diseases, Pediatric Pulmonary Diseases, Fibrotic and Immunologic Interstitial Lung Diseases, Pulmonary Vascular Diseases (Letter of Intent by July 1)	September 1
NHLBI, RFA: Nutritional Status and Nonrespiratory Lung Function	March 14
NHLBI, RFA: Specialized Centers of Research on Arteriosclerosis (Letter of Intent by June 16)	September 2
NCI, Smoking, Cancer and Health Program:	
Research Grants.	July 1
Program Project Grants	June 1
Individual Postdoctoral Training	June 1
Institutional Postdoctoral Training.	June 1
Research Career Development Awards	June 1
NCI, Preventive Oncology Academic Award.	May 1, 1981
NIH, New Investigator Awards	July 1
NIOHS, Occupational Cutaneous Hazards and Diseases (Dermatology Program).	July 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health.	July 1
NIH, Support of Meetings	Open
NIH, NRSA for Short-Term Training of Students in Health Professional Schools.	May 1
NIDR/NIA, Geriatric Dentistry Academic Award	July 1
NIAID, Pseudomonas Infections in Cystic Fibrosis:	
Research Grants.	July 1
Individual Postdoctoral Fellowships.	June 1
NHLBI, Preventive Oncology Academic Award.	April 1
NIAMDD, Diabetes Research and Training Center Grants	June 1
NHLBI, Biobehavioral Approaches to the Treatment of Hypertension (Letter of Intent required prior to deadline)	July 1
NICHD, Developmental Aspects of Behavior and Nutrition	July 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer.	July 1
NCI, RFA: Training Program in Veterinary Pathology and Comparative Pathology.	April 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	July 1

National Institutes of Health (cont.)

NIA, Cellular Aging Research: Differentiated Cells in Culture:	
Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
Program Project Grants	June 1
Special Research Award	July 1
Clinical Investigator Award	June 1
Research Career Development Award	June 1
Institutional Training Grants	June 1
NIA, The Genetic Basis of Aging: <u>C. elegans</u> as a Model System:	
Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
Program Project Grants	June 1
Special Research Award	July 1
Research Career Development Award	June 1
Institutional Training Grants	June 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	July 1
NIA, Summary of Active Program Announcements	July 1
<u>Health Care Financing Administration</u>	
Research and Demonstration Grants	April 7
<u>National Institute of Education</u>	
Grants for Research on Organizational Processes in Education:	
Preliminary Proposals (Final 8/18/80)	April 14
Small Grants	April 14
Unsolicited Proposals	June 30
<u>National Center for Health Services Research</u>	
Doctoral Dissertation	October 15
Research Management Series--Research Priorities	Open
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Small Grants Program	Open
National Research Service Awards	June 1
Research on Substance Use	July 1
Grant Program in Mental Health Service System Research	July 1
Research Grants, New	July 1
Research Grants, Renewal	June 1
<u>Health Resources Administration</u>	
Allied Health Special Project Grants	March 7
Grants for Public Health Traineeships	March 3
Special Project Grants	March 3
Research Scientist Development/Research Scientist Award	June 1
<u>Health Services Administration</u>	
General Family Planning Training	May 1
Family Planning Nurse Practitioner Training	April 1
<u>Office of Human Development Services</u>	
Special Projects for Severely Disabled Individuals	March 14
<u>U.S. Office of Education</u>	
Teacher Center Programs (Revised Dates)	
New--To States by March 17	
To USOE	April 17
Continuations--To States by March 31	
To USOE	April 21

U.S. Office of Education

Museum Services Program.	March 7
Biomedical Sciences Program (Revised--approximately 60 days after publication of final regulations).	To Be Announced
Ethnic Heritage Program.	March 5
Handicapped, Student Research-Second Cycle	March 17
Handicapped Children's Model Program: Demonstration Projects Only.	March 13
Women Educational Equity Act, Continuations Only	March 13
Teacher Corp '79, Continuations Only	March 3
Teacher Corp '78, Continuations Only	March 25
Women's Educational Equity Act (Revised, To Be Announced--New)	
Consumer's Education (Revised)	To Be Announced
Community Education (Revised).	To Be Announced
National Demonstration Projects, Upward Bound and Special Services for Disadvantaged Students.	May 31
Fund for the Improvement of Postsecondary Education, The Comprehensive Program, Final Proposal (Agency Request Only)	April 8

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Interdisciplinary Incentive Awards for Ethics and Values (EVIST). For further information, request brochure SE 80-62A on the Publications Order Form or contact Dr. Arthur Norberg, Office of Science and Society, (202) 282-7770	March 21
Sustained Development Awards for Ethics and Values in Science and Technology (EVIST). For further information, request brochure SE 80-62A on the Publications Order Form or contact Dr. Arthur Norberg, Office of Science and Society (202) 282-7770	March 21
Science and Technology to Aid the Handicapped. For a copy of the Guidelines and for further information, contact Dr. Donald McNeal or Mr. Herman Harvey, Division of Problem-Focused Research (202) 632-3027.	March 25
U.S.-Japan Cooperative Science Program (for Cooperative Research with starting dates between January 1, 1981 and December 31, 1981)	March 31
Unsolicited Research Proposals for the Development in Science Education (DISE) Program-- <u>Preliminary Proposals</u> with proposed starting dates in January/February 1981--Research areas include: Science for the Early Adolescent; Improving Access to Careers in Science for Women, Minorities, and the Physically Handicapped; Science Literacy, and Science, Technology, and Society; New Knowledge and New Skills--Education for Productivity; and, Technology for Science Education.	March 31

National Science Foundation (cont.)

- Unsolicited Research Proposals for the Research in Science Education (RISE) Program (Proposed Starting Dates: January/February 1981)--Research areas include: Science Education for the Early Adolescent; Science for Women, Minorities, and the Physically Handicapped; Technology in Science Education; Science Literacy; and, Cognitive Processes and the Structure of Knowledge March 31
- Coordinated Ocean Research and Exploration (CORES). Preliminary proposals for 1982 projects and formal proposals for 1981 projects. For further information, contact Dr. M. Grant Gross, Division of Ocean Sciences at (202) 632-7356 April 1
- U.S.-New Zealand Cooperative Science Program. Long-Term Visit Proposals. For further information, contact Mr. Alan Milsap, Division of International Programs at (202) 632-5806 April 1
- U.S.-Australia Cooperative Science Program. Workshop Seminar Proposals. For further information, contact Mr. Alan Milsap, Division of International Programs at (202) 632-5806. April 1
- Public Understanding of Science. Request brochure SE-80-60 on Publications Order Form or for further information, contact Mr. George Tressel, Office of Science and Society at (202) 282-7770. April 1
- Ethics and Values in Science and Technology. Request brochure SE 80-62A on the Publications Order Form or for further information, contact Dr. Arthur L. Norberg, Office of Science and Society at (202) 282-7770. April 1
- Biological Instrumentation. For further information, contact Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology at (202) 653-5339 April 30
- Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Proposed Starting Date: October 1, 1980)--Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics April 30
- Ethics and Values in Science and Technology (EVIST)--Preliminary Proposals with the earliest starting date of February 1, 1981. May 1
- U.S.-Latin America Cooperative Science Program (Proposed Starting Date: January 1, 1981) May 1
- Unsolicited Research Proposals for the Climate Dynamics Program (Proposed Starting Date: November 1, 1980). . . . May 1
- Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: January/February 1981)--Programs include: Geochemistry, Geology, Geophysics, and Petrology. May 1
- Unsolicited Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Dates: Winter 1980/Spring 1981)--Areas of interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socioeconomic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics May 30

National Science Foundation (cont.)

- Public Understanding of Science (PUOS) Program--Preliminary Proposals with the earliest start date of Feb. 1, '81. . . . June 2
- Scientists and Engineers in Economic Development (SEED) Program--Announcement of Awards: November 1980. . . . June 2
- U.S. Antarctic Research Program (for research in Antarctica during the 1981-82 austral summer (September 1981 through March 1982) and extending through the southern hemisphere winter of 1981; for research or data analysis in the U.S. to commence approximately January 1, 1981. . . . June 2
- Unsolicited Research Proposals for the Division of Applied Research (Proposed Starting Dates: January/February 1981)-- Programs include: Applied Physical, Mathematical, and Biological Sciences and Engineering; Applied Social and Behavioral Sciences. . . . June 30
- International Travel Grant Program (for Group Travel with travel dates between April 1, 1981 and June 30, 1981; for Individual Travel with travel dates between October 1, 1980 and December 31, 1980) July 1
- Oceanographic Facilities and Support (OFS)--For Calendar Year 1981 Operations July 1
- U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: March 1981) July 1
- Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: January/February 1981)--Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology. . . . July 1
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: January/February 1981)--Programs include: Biological Research Resources, Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology. . . . July 2
- Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies--Preliminary Proposals with the earliest starting date of March 15, 1981 July 15

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773:

- American Cancer Society
Research Grants. . . . April 1
- American Heart Association
Established Investigatorships. . . . July 1
- Burroughs-Wellcome Fund
Visiting Professorships in the Basic Medical Sciences. . . . May 1
- Deafness Research Foundation
Research Grants. . . . July 15

Epilepsy Foundation	
Fellowships in Vocational Rehabilitation	April 1
Exxon Foundation	No Deadline
IREX (International Research and Exchange Board, with Socialist countries)	
Travel Grants for Senior Scholars	May 31
Collaborative Activities and New Exchanges	April 30
Minnesota Humanities Commission	May 15
Minnesota Medical Foundation	March 31 & June 30
National Multiple Sclerosis Society	
Research Grants	July 15

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

ORADDC Newsletter

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HEALTH CARE FINANCING ADMINISTRATION - RESEARCH AND DEMONSTRATION GRANT AVAILABILITY

The Office of Research, Demonstrations and Statistics (ORDS) of the Health Care Financing Administration (HCFA) has funds for research and demonstration grants.

Applications for grants may be made by nonprofit or public organizations and institutions (including state agencies responsible for administering the Medicaid Program). Grants may be made for research, planning or conduct of demonstrations or data collection and dissemination activities.

The new priority areas are: 1) Beneficiary awareness; 2) Child health; 3) Health systems organization; 4) Hospital costs; 5) Industrial organization reimbursement; 6) Integrated data systems; 7) Long term care (studies and demonstrations); 8) Physician reimbursement; 9) Public financing; 10) State Medicaid programs; and 11) Special one-time solicitation for study of hospices.

Further information available from ORA at 373-5925. Deadline April 7 and October 6.

NATIONAL INSTITUTE OF HEALTH ISSUES IMPLEMENTATION PLAN FOR THE NATIONAL RESEARCH SERVICE AWARD (NRSA) STIPEND AND ALLOWANCE CHANGES

NIH has issued an implementation plan for NRSA stipend and allowance changes effective July 1, 1980. Predoctoral annual stipend is increased to \$5,040 while postdoctoral annual stipends range from \$13,380 (with "0" years of relevant

experience) to \$17,040 (with "5 or more" years of relevant experience). Institutional allowances, for budget periods effective July 1, 1980 or after, are based on a maximum of \$3,000/predoctoral trainee or maximum of \$5,000/post-doctoral trainee. Complete copy may be obtained from ORA at 373-5925.

ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION (ADAMHA) ISSUES CHANGES IN ADAMHA POLICY FOR STIPENDS/ ALLOWANCES FOR NATIONAL RESEARCH SERVICE AWARDS (NRSA)

Effective July 1, 1980, ADAMHA will increase stipend levels under NRSA awards to an annual rate of \$5,040 for pre-doctoral trainees and \$13,380 to \$17,040 for postdoctoral trainees dependent on years of relevant experience. Institutional allowances, effective for budget

periods starting July 1, 1980 or thereafter, will be based on a ceiling allowance as follows:

(continued)

	<u>Institutional Grant</u>	<u>Individual Award</u>
Predoctoral	Up to \$3,000	Up to \$4,000
Postdoctoral	Up to \$5,000	Up to \$5,000

Complete copy of policy may be obtained from ORA at 373-5925.

**AMENDED INSTRUCTIONS ISSUED
FOR PROPOSALS UNDER "NRSA FOR
SHORT-TERM TRAINING OF
STUDENTS IN HEALTH PROFESSIONAL
SCHOOLS," MAY 1, 1980**

The NIH Guide for Grants and Contracts, Vol. 8, No. 13, dated October 26, 1979, contained the announcement of a new NIH program that would expose talented students in health professional schools to the opportunities inherent in a

research career. Those planning to meet the May 1, 1980 application receipt date for awards to be made in the spring of 1981 should write for revised instructions designed to accompany form PHS 6025 when used for Short-Term Training: Students in Health Professional School.

Application forms and instructions may be obtained from: Office of Grants Inquiries, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20205 (301) 496-7441.

**CHANGES IN PROJECT PERIOD
SYSTEM FOR NIH GRANTS -
A CLARIFICATION**

A Procedural Notice on this subject was published in the NIH Guide for Grants and Contracts, Vol. 9, No. 2, dated January 25, 1980. Based on inquiries received

from various grantee institutions, it has become apparent that clarification of a major point in the original notice is necessary.

Under the section on Financial Management, reference was made to a significant aspect of the change in policy which permits the carry-over of unexpended funds between competing segments of the project period. Further, it was indicated that the funds awarded in support of each budget period will remain available for the total time for which support of a project has been approved. This language was not intended to convey the idea that NIH will now allow automatic carry-over of unexpended funds (for increased funding purposes) between competing segments of the "new" project period as redefined. Rather, the point to be made is that NIH and the grantee will now be able to have the same fiscal flexibility in going from one segment of support to the next competing segment that has been available for many years in going from one budget period to the next budget period within any given project period. Previously, at the close of the final budget period of an "old" project period, any remaining free balance was withdrawn and reverted to the Federal appropriation from which the grant had been awarded.

Considering the timing of submission, a competing continuation application (Type 2) includes no Section III - "Fiscal Data for Current Budget Period" and, accordingly, no presentation of an estimated unobligated balance is made.

(continued)

Therefore, information on unexpended balances from the last budget period of the immediately prior competitive segment of support will not be available until a Report of Expenditures (ROE) is submitted - some months after the competing continuation award has been made.

The NIH Division of Financial Management in processing the ROE's will, for accounting purposes, automatically move the unexpended balances shown on the ROE forward to the Type 2 grant account. However, in keeping with what is already stated (also under the Financial Management section of the January 25 issuance) the options available to NIH awarding components on "when" and "how" to utilize the balances will be the same as in the previous approach to dealing with noncompeting continuation (Type 5) awards. The options are: 1) use the balance for funding offset (deduction); or 2) provide increased funding authorization either immediately (through the issuance of a revised award statement) or at the time of processing the next Type 5 award.

While indicating that the new concept will permit the same fiscal flexibility in moving unexpended balances forward to competing continuation awards as has been previously possible with noncompeting continuation awards, one significant procedural difference should be identified. In preparing the Type 5 application, which includes the fiscal data sheet as Section III, the principal investigator may make a request that all or part of the estimated unobligated balance as presented be carried over as increased authorization in the subsequent budget period for what he/she believes are justified project needs. It is Public Health Service policy that such requests actually be built into the application. For reasons indicated above, such an approach is not possible in dealing with a Type 2 application. However, a principal investigator will have the option of submitting a letter to the NIH awarding component at an appropriate time, through the grantee institution, documenting the basis for a carryover request. The timing would normally relate to that point when the actual unobligated balance is known. Such requests will be considered by the awarding components in making their determinations as to appropriate use of the balances. If NIH elects to provide increased funding authorization it will be reflected in an approved budget shown on a Notice of Grant Award.

NIH ISSUES REQUESTS FOR
PROPOSALS (RFP'S) -
CONTRACTS

Following is a list of RFP's issued by various Institutes of NIH. Application materials should be requested from NIH, in writing, directly. Request must

include RFP number and a self-addressed mailing label.

RFP Due Date

Reference #/Title

May 23, 1980

RFP-NIH-NINCDS-80-09: Evaluate the Effectiveness of Information Services Provided to Specialists in Communicative Disorders by MEDLINE

Address: NINCDS, NIH, Contracts Management Branch, EAP, Federal Bldg., Rm 1012, 7550 Wisconsin Ave., Bethesda, MD 20205, Attn: Ms. Dorothy Tyler

(continued)

<u>RFP Due Date</u>	<u>Reference #/Title</u>
April 25, 1980	RFP-NIH-NINCDS-80-04: Testing Anticonvulsant Drugs in Monkeys <u>Address:</u> NINCDS, NIH Communicative Disorders and Stroke, CMB, Federal Bldg., Rm 1012, 7550 Wisconsin Ave., Bethesda, MD 20205, Attn: Patricia Davis
May 13, 1980	RFP-NIH-NIAID-MIDP-81-2: Animal Models for Antiviral Evaluation <u>Address:</u> Chief, CMB, NIAID, Westwood Bldg., Rm 707, 5333 Westbard Ave., Bethesda, MD 20205, Attn: Sara Spencer
May 7, 1980	RFP-NIH-NIAID-MIDP-80-22: Immune Interferon Standards <u>Address:</u> as above
May 12, 1980	RFP-NIH-NIAID-MIDP-80-23: Antisera To Immune Interferons <u>Address:</u> as above
May 1, 1980	RFP-NIDR-4-80-1R: Immunization of Rodents with Anti-Caries Vaccines Containing Non-Freund-Type Adjuvants <u>Address:</u> Office of Collaborative Research, NIDR, Westwood Bldg., Rm 537, 5333 Westbard Ave., Bethesda, MD 20205, Attn: Mrs. Mullen
May 9, 1980	RFP-NIDR-4-80-2R: Improved Methods of Delivering Cario-static Agents to the Oral Cavity <u>Address:</u> as above
May 1, 1980	RFP-NIDR-4-80-3R: The Effect of Dental Caries of Daily Mouthrinsing with a Calcium Glycerophosphate Solution <u>Address:</u> as above
May 15, 1980	RFP-NO1-CM-07322-14: Literature Monitoring Service <u>Address:</u> Treatment Contracts Section, RCB, NCI, Blair Bldg., Rm 322, 8300 Colesville Road, Silver Springs, MD 20910, Attn: Mrs. Hoffman
May 12, 1980	RFP-NCI-CM-07364-18: Preclinical Pharmacology Studies of Antitumor Agents <u>Address:</u> Treatment Contracts Section, RCB, NCI, OD, Blair Bldg., Rm 314, 8300 Colesville Road, Silver Springs, MD 20910, Attn: Helen Lee

NATIONAL INSTITUTE OF JUSTICE:
COMPETITIVE RESEARCH GRANT/
COOPERATIVE AGREEMENT;
SOLICITATION OF PROPOSALS

The National Institute of Justice announces a competitive research grant/cooperative agreement to study the relationships between learning deficiencies and inmate education. The major focus of this initiative is to select key learning deficiencies for study, to determine

(continued)

their prevalence and relationship to the high functional illiteracy rate among incarcerated men and women in selected states and to recommend additional research and the development of appropriate programs and policies.

The solicitation requests submissions of draft proposals rather than full, formal proposals. Full proposals will be requested from those applicants receiving favorable review by a peer review panel. In order to be considered, a draft proposal must be received by the National Institute of Justice no later than C.O.B. May 9, 1980. One grant/cooperative agreement is anticipated under this announcement. A maximum of \$200,000 has been allocated for this 24 month project. To maximize competition, both profit makers and non-profit organizations may apply.

Additional information and copies of the solicitation may be obtained by sending a mailing label to: Solicitation Request, The Relationships Between Learning Deficiencies and Inmate Education, National Criminal Justice Reference Service, Box 6000, Rockville, Maryland 20850.

NATIONAL INSTITUTE OF JUSTICE
SOLICITS PRELIMINARY PROPOSALS
ON ANALYSIS OF THE ROLE OF THE
BAIL BONDSMAN

The National Institute of Justice announces a competitive research solicitation aimed at examining the Role of the Bail Bondsman in the criminal justice system.

The solicitation asks for preliminary proposals to be submitted for peer review in accordance with the criteria set forth in the solicitation. In order to be considered, all proposals must be postmarked no later than April 22, 1980. A grant or cooperative agreement for a 21 month research project is planned, with funding not to exceed \$250,000. To maximize competition for this award, both profit-making and non-profit organizations are eligible to apply.

Copies of the solicitation may be obtained by sending a mailing label to: Solicitation Request No. 124, Analysis of the Role of the Bail Bondsman, National Criminal Justice Reference Service, Box 6000, Rockville, MD 20850.

For questions pertaining to this request for proposals, contact: Deborah Viets, Adjudication Division, Office of Research Programs, NIJ, 633 Indiana Ave. N.W., Washington, DC 20531 (301) 492-9114.

NATIONAL INSTITUTE OF JUSTICE
PROGRAM PLANS

The following solicitations relating to sentencing are under consideration for FY 1980:

Factors Affecting Prison Commitment Rates: The study will explore factors related to existing differences in prison commitment rates in different states. The study will gather information about sentencing/prison commitment practices in the states for different types of offenses and offenders.

(continued)

It will also identify the size and characteristics of subgroups of offenders (such as addicts or mentally disturbed offenders) within various state prison populations.

The Impact of Serving Time Under Determinate Sentencing: Research will focus on the impact of determinate sentencing on the behavior of prison inmates. It will attempt to determine whether removing the traditional incentives and sanctions of indeterminate sentences encourages or inhibits maintenance of order in institutions.

The following general topic is also under consideration:

The Changing Role of Corrections - Research will focus on two fundamental questions: Will rehabilitation remain a goal of corrections? What role and purpose will corrections fulfill in the future?

Program announcements and requests for unsolicited proposals are published in the Federal Register. Copies of the solicitations can be obtained by writing to the National Criminal Justice Reference Service, Box 6000, Rockville, MD 20850. Included in each solicitation is the name and address of a specific person at NIJ to contact in order to obtain further information on that specific project. Contact: John Spevacek, Director, Corrections Division, NIJ, 633 Indiana Ave. N.W., Washington, DC 20531 (301) 492-9118.

NATIONAL INSTITUTE OF JUSTICE
PROGRAM PLANS

Programs which are under consideration
evaluations in FY 80 are:

Jail-Overcrowding and Pre-trial Detainees - This program concentrates past research and training efforts related to jails into a cohesive package that can be utilized by selected jurisdictions facing a "jail crisis".

Arson - This program involves anti-arson efforts at the state, county, and local levels. In collaboration with the Office of Criminal Justice Programs, the Institute will provide funding for a first phase effort to assess operations and collect baseline and outcome data in participating sites. The results will be used to design the full evaluation and modify the program as necessary.

The Office of Program Evaluation also conducts evaluations of experimental programs that are designed and implemented by the Institute's Office of Development, Testing, and Dissemination. Program Teams, made up of representatives from the research, testing, and evaluation offices, assist in designing the program. The evaluation is planned concurrently with the development of the model and is conducted under the office of program evaluation.

Two full-scale evaluations of field tests are scheduled for funding in FY 80. Candidates include: 1) Pretrial supervised release; and 2) Employment Services for Ex-Offenders.

(continued)

Program announcements and requests for unsolicited proposals are published in the Federal Register. Copies of the solicitations can be obtained by writing to the National Criminal Justice Reference Service, Box 6000, Rockville, MD 20850. Included in each solicitation is the name and address of a specific person at NIJ to contact in order to obtain further information on that specific project. Contact: Lawrence A. Bennett, Director, Office of Program Evaluation, NIJ, 633 Indiana Ave. N.W., Washington, DC 20531 (301) 492-9085.

NATIONAL INSTITUTE OF JUSTICE
PROGRAM PLANS

Under an existing contract, the following
will be produced:

Program Models - These models synthesize data and expert opinion, analyze options, and discuss the advantages and limitations of each option. In FY 80 models will be developed from among the following topics: measuring the costs of police services; investigative information systems; managing the institutional environment in corrections; practitioner's guide to cost analysis methods in corrections; assistance programs for battered spouses; improving operations for small claims courts; grand jury operations; personnel management in statewide court systems; and centralized county-offense report systems.

Test Designs - detail the strategies for programs that are to be tested at a few carefully selected sites. Possible topics for FY 80 are: employment services for ex-offenders; alternative police response strategies; and pre-trial supervised release.

Research Reviews - draw on findings of Institute studies and may take the form of pamphlets, journal articles, or state of the art papers. So far, studies have been distilled into Policy Briefs which present the results in a form suitable for governors and state legislators. Policy Briefs being considered for FY 80 include the topics of consumer fraud, private security police, citation in lieu of arrest, and pre-trial diversion.

Change in Criminal Justice System - This long-term multi-phase program is designed to improve Institute efforts to translate research-based knowledge into policy and practice.

Exemplary Projects - Outstanding projects, operated by state, local, or private agencies are identified and information about them is disseminated throughout the country.

For persons interested in sub-contract possibilities, contact the major contractor, ABT Associates, 55 Wheeler Street, Cambridge, MA 02138. For general information, contact the Division Director, Mary Ann Beck, Model Program Development Division, NIJ, 633 Indiana Ave., N.W., Washington, DC 20531 (301) 492-9090.

THE ROYAL SOCIETY OF NEW ZEALAND
CAPTAIN JAMES COOK FELLOWSHIP

The New Zealand Government has established a research fellowship to perpetuate Captain Cook's spirit of scientific enquiry and exploration in the New Zealand and South-west Pacific area. The fellowship is awarded to persons of senior status for 3 to 3 years at a New Zealand university or research institution. The salary will be approximately NZ\$24,879 per annum. Dependent allowance is available. APPLICATION DEADLINE: May 31, 1980.

Further information is available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

CENTER FOR FIELD RESEARCH

Post-doctoral scholars in need of funds and volunteer support for 1981 field research may submit full proposals to the Center for Field Research. Basic and applied projects are considered as long as there is opportunity on the research team for participation by non-specialists. APPLICATION DEADLINE: May 15 and October 1

Further information is available from Nancy Bell Scott, Research Coordinator, Center for Field Research, Box 127-M, 10 Juniper Road, Belmont, Mass. 02178 (617) 489-3032.

OTA CONGRESSIONAL FELLOWSHIP
PROGRAM

The Office of Technology Assessment (OTA) is seeking qualified candidates for its Congressional Fellowship Program for 1980-81. The program is designed to give Fellows a challenging work experience through participation in the policy research and analysis program of OTA. The fellowships will emphasize interdisciplinary approaches to public policy concerns. Candidates must hold a Ph.D.

Applications consist of: 1) detailed resume including education, experience, area(s) of special interest and published works; 2) three letters of reference; 3) statement of 1,000 words addressing the applicant's interest in the fellowship program and his or her career goals. DEADLINE: May 1, 1980

Further information is available in the Graduate Fellowship Office, 422 Johnston Hall, 373-2833 or from Congressional Fellowships, Office of Technology Assessment, Congress of the United States, Washington, DC 20510.

FULBRIGHT OPPORTUNITIES ABROAD

Applications for Fulbright awards for university teaching and advanced research abroad are still being accepted for 1980-81 in areas that have not yet been

(continued)

filled. Several countries and academic fields still have openings for teaching and research to be conducted.

Contact the Graduate Fellowship Office, 422 Johnston Hall, 373-2833 for further information.

THE HOLMES CENTER FOR
RESEARCH IN HOLISTIC HEALING

The Holmes Center has announced the creation of an Annual Awards Program for the most significant contributions to further understanding of holistic healing. Entries may be in the nature of a dissertation, a review with original contributions, or research findings. Applicants must be U.S. or Canadian citizens.

Two awards of \$5,000 each will be given. Closing dates for entries are JUNE 30, 1980 and DECEMBER 31, 1980. Entrants should submit the following: 1) curriculum vitae; 2) briefly annotated bibliography; 3) concise summary statement of the work; 4) six copies of each entry.

Applications should be mailed to: Awards Program, The Holmes Center, P.O. Box 75127, Los Angeles, CA 90075.

GRANT SEMINAR OFFERED
TO GRADS

A three-credit seminar designed to give graduate students experience developing research proposals is being offered through the Sociology Department of the University of Minnesota. The course also is designed to review issues associated with the development, funding, and administration of research projects. The course is being taught this quarter, and will be taught again Winter 1981. For details on the seminar see Susan Franke in the Research Division.

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

The Office of International Programs has information--including deadline dates--on fellowship and grant programs which support international activities. For further information, please contact the OIP at 373-3793.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Following is a list of some, but not all, agency deadlines occurring within the next few months. All grant applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

Research Grants, New	July 1
Research Grants, Renewals	June 1
Foreign Currency Credit Awards	July 1
NHLBI, Young Investigator Award Research Grant	July 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants	July 1
Individual Postdoctoral Fellowship	June 1
Program Project Grant	June 1
Special Research Award (New Investigators).	July 1
Research Career Award	June 1
Institutional Training Grant	June 1
NIA, Biomedical Research and Clinical Medicine.	July 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NINCDS: Postdoctoral Fellowships in Nutrition.	June 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NIEHS/NINCDS: Institutional Grants in Nutrition	June 1
NIAMDD, Research Interests of the Chronic Renal Disease Program	July 1
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent by March 1; Proposal June 1; Letter of Intent by July 1)	October 1
Fogarty International Center: French National Center for Scientific Cooperation	May 1
NHLBI, Clinical Investigator Award (REVISED DATE)	August 1
NIAMDD, Clinical Investigator Award	June 1
NIAID, New Investigator Research in Clinical Immunology and Virology.	July 1
NIAID, Allergic Diseases Academic Award	June 1
NIAMDD, DRTC Exploratory Grants	June 1
NIA, Immunology Program--Molecular and Biochemical Program:	
Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants	June 1
NIAID, Immune Mechanisms and Cutaneous Disorders	July 1
NIDR, Craniofacial Defects.	July 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program	July 1
NIA, Social and Behavioral Research on Aging:	
Program Project Grants (Letter of Intent one month prior to date).	June 1
Postdoctoral Fellowships	June 1
Special Research Award	July 1
Senior Fellowship Program	June 1
Clinical Investigator Award	June 1
Research Career Development Award	June 1
Research Grants	July 1
Special Initiative Awards	July 1
Institutional Training Grant	June 1

NINCDs, Genetic and Biochemical Bases of Otosclerosis July 1

NIGMS, Burn and Trauma Research and Research Training:

 Research Center Grants June 1

 Program Project Grants June 1

 Research Grants July 1

 Research Career Development Awards June 1

 Special Grants for New Investigators July 1

 Individual Postdoctoral Fellowships June 1

 Institutional Postdoctoral Training June 1

NHLBI, Methods for Quantifying the Size and Evaluating the
Function of Ischemic and Infarcted Myocardium July 1

NICHD, Maternal Smoking and Pregnancy Outcome July 1

NICHD, Behavioral and Social Science Research in
Mental Retardation July 1

NINCDs, Sodium Fluoride in the Treatment of Sensorineural
Hearing Loss in Otosclerosis July 1

NINCDs, Clinical Research Centers for Human
Chemosensory Studies July 1

NINCDs, Individual Postdoctoral Fellowships--Clinical
Research in Otolaryngology June 1

NINCDs, Individual Postdoctoral Fellowships--Speech and/or
Language Disorders in Children June 1

NIDR, Fluoride Research Grants July 1

NIAMDD, New Investigator Research in Diabetes July 1

NHLBI/NIAMDD, SERCA--Diabetes Mellitus-Cardiovascular,
Metabolic and Endocrinologic Aspects June 1

NIH, National Service Awards for Senior Fellows June 1

NHLBI, The Effects of Smoking on the Blood and
Cardiovascular and Respiratory Systems July 1

NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIEHS/NINCDs/NIA:
Studies of Diabetes Mellitus and Related Problems July 1

NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDs/NIA: The
Epidemiology of Diabetes:

 Research Grants July 1

 SERCA June 1

 Research Career Development Awards June 1

 New Investigator Research Awards July 1

 Academic Investigator Awards June 1

 Clinical Investigator Awards June 1

 Individual Postdoctoral Fellowships June 1

NHLBI, RFA: Specialized Centers of Research in Chronic
Obstructive Lung Diseases, Pediatric Pulmonary Diseases,
Fibrotic and Immunologic Interstitial Lung Diseases,
Pulmonary Vascular Diseases (Letter of Intent by July 1). September 15

NCI, Research Related to Genetic Susceptibility
of Human Breast Cancer July 1

NHLBI, RFA: Specialized Centers of Research on
Arteriosclerosis (Letter of Intent by June 16) September 2

NCI, Smoking, Cancer and Health Program:

 Research Grants July 1

 Program Project Grants June 1

 Individual Postdoctoral Training June 1

 Institutional Postdoctoral Training June 1

 Research Career Development Awards June 1

NCI, Preventive Oncology Academic Award (REVISED DATE)	May 1, 1980
NIH, New Investigator Awards	July 1
NIOHS, Occupational Cutaneous Hazards and Diseases (Dermatology Program)	July 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	July 1
NIH, Support of Meetings	Open
NIH, NRSA for Short-Term Training of Students in Health Professional Schools	May 1
NIDR/NIA, Geriatric Dentistry Academic Award	July 1
NIAID, Pseudomonas Infections in Cystic Fibrosis: Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
NHLBI, Preventive Oncology Academic Award (Annual-1981)	April 1
NIAMDD, Diabetes Research and Training Center Grants	June 1
NHLBI, Biobehavioral Approaches to the Treatment of Hypertension (Letter of Intent required prior to deadline)	July 1
NICHD, Developmental Aspects of Behavior and Nutrition	July 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	July 1
NIA, Cellular Aging Research: Differentiated Cells in Culture: Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
Program Project Grants	June 1
Special Research Award	July 1
Clinical Investigator Award	June 1
Research Career Development Award	June 1
Institutional Training Grants	June 1
NIA, The Genetic Basis of Aging: <u>C. elegans</u> as a Model System: Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
Program Project Grants	June 1
Special Research Award	July 1
Research Career Development Award	June 1
Institutional Training Grants	June 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	July 1
NIA, Summary of Active Program Announcements	July 1
NIGMS, RFA: An Evaluation of A ¹³ CO ₂ /12CO ₂ Infrared Heterodyne Ratiometer in Biomedical Studies	May 15
NIAMDD/NIA, Special Emphasis Research Career Award- Diabetes Mellitus in the Elderly	June 1
NIAID, RFA: Asthma and Allergic Disease Centers (Letter of Intent by July 15, 1980)	October 15
NCI, Cancer Clinical Treatment Research	July 1
NCI, RFA: Studies of Immunocompetent Cells Infiltrating Human Breast Cancer	June 1
Research Career Development Awards	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Programs	June 1

NHLBI, Biobehavioral Approaches to the Treatment of
 Hypertension July 1
 Fogarty Center, Sr. International Fellowships, 1981-82 October 1
 Fogarty Center, Sr. International Fellowships in
 Special Fields: Aging, Arthritis, Diabetes, Epilepsy,
 Tropical Diseases October 1
 NICHD, RFA: Human Infertility June 16
 NIAID, RFA: Tropical Disease Research Units (Letter of
 Intent, if possible, by April 16) June 16

Alcohol, Drug Abuse, and Mental Health

Research Grants, New July 1
 Research Grants, Renewals June 1
 Small Grants Program Open
 National Research Service Awards June 1
 Research on Substance Use July 1
 Grant Program in Mental Health Service System Research July 1
 Institutional Training Grants June 1

Health Care Financing Administration

Grants for Research and Demonstration April 7

National Center for Health Services Research

Doctoral Dissertation October 15
 Research Management Series--Research Priorities Open

Health Resources Administration

Research Scientist Development/Research Scientist Award June 1
 Grants to Establish Departments of Family Medicine. April 7
 Curriculum Development Grants April 7

Health Services Administration

General Family Planning Training May 1
 Project Grants for Genetic Diseases Testing and
 Counseling Services and Education Clinics May 2
 Sudden Infant Death Syndrome Program May 12
 Program Grants for Black Lung Clinics May 30

Office of Human Development Services

Child Welfare Services Training Grants:
 Traineeship Grants May 2
 Teaching Grants May 2
 Demonstration Projects for Child Abuse and Neglect May 5

National Institute of Education

Grants for Research on Organizational Processes
 in Education:
 Preliminary Proposals (Final 8/18/80) April 14
 Small Grants April 14
 Unsolicited Proposals June 30
 Grants for Research on Knowledge Use and School
 Improvement May 13

U.S. Office of Education

Teacher Center Programs (REVISED DATES)

- New--To States by March 17
 - To USOE April 17
- Continuations--To States by March 31
 - To USOE April 21
- Women's Educational Equity Act, New May 9
- Consumer's Education Program May 12
- Foreign Language and Area Studies Fellowships and International Studies Centers, CONTINUATION ONLY April 21
- Metric Education Program April 29
- Law School Clinical Experience Program April 30
- National Demonstration Projects, Upward Bound and Special Services for Disadvantaged Students May 31
- Fund for the Improvement of Postsecondary Education, The Comprehensive Program, Final Proposal (Agency Request Only) April 8
- Community Education (REVISED) To be announced
- Biomedical Sciences Program (REVISED) To be announced

Food and Drug Administration

- Research Grants, New July 1
- Research Grants, Renewals June 1
- RFA: Application of New Technology in Diagnostic Radiology May 7
- RFA: Delayed Effects of Ultrasound Exposure. May 7
- RFA: Utility of Diagnostic X-Ray Examinations May 28

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

- Ethics and Values in Science and Technology (EVIST) - Preliminary Proposals with the earliest starting date of February 1, 1981 May 1
- U.S.-France Cooperative Science Program (Announcement of Awards: January 1, 1981) May 1
- U.S.-Latin America Cooperative Science Program (Proposed Starting Date: January 1, 1981) May 1
- Unsolicited Research Proposals for the Climate Dynamics Program (Proposed Starting Date: November 1, 1981) May 1
- Unsolicited Research Proposals for the Division of Earth Sciences (Proposed Starting Dates: January/February 1981) - Programs include: Geochemistry, Geology, Geophysics, and Petrology May 1
- Unsolicited Research Proposals (Formal) for the Division of Policy Research and Analysis (Proposed Starting Dates: Winter 1980/Spring 1981) - Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socioeconomic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics May 30
- Public Understanding of Science (PUOS) Program - Preliminary Proposals with the earliest starting date of February 1, 1981 June 2

Scientists and Engineers in Economic Development
(SEED) Program - Announcement of Awards: November 1980 . . . June 2

U.S. Antarctic Research Program (for research in
Antarctics during the 1981-82 austral summer
(September 1981 through March 1982) and extending
through the southern hemisphere winter of 1981; for
research or data analysis in the U.S. to commence
approximately January 1, 1981) June 2

Unsolicited Research Proposals for the Division of
Applied Research (Proposed Starting Dates: January/
February 1981) - Programs include: Applied Physical,
Mathematical, and Biological Sciences and Engineering;
Applied Social and Behavioral Sciences June 30

Unsolicited Research Proposals for the Division of
Environmental Biology (Proposed Starting Dates: January/
February 1981) - Programs include: Biological Research
Resources, Ecology, Ecosystem Studies, Population
Biology and Physiological Ecology, and Systematic Biology . June 30

International Travel Grant Program (for Group Travel
with travel dates between April 1, 1981 and June 30,
1981; for Individual Travel with travel dates between
October 1, 1980 and December 31, 1980). July 1

Oceanographic Facilities and Support (OFS) - For
Calendar Year 1981 Operations July 1

U.S.-Israel Binational Science Foundation Grants
(Announcement of Awards: March 1981). July 1

Unsolicited Research Proposals for the Division of
Physiology, Cellular and Molecular Biology (Proposed
Starting Dates: January/February 1981) - Programs
include: Biochemistry, Biophysics, Cell Biology,
Developmental Biology, Genetic Biology, Metabolic
Biology, and Regulatory Biology July 1

Unsolicited Research Proposals (Preliminary) for the
Division of Policy Research and Analysis (Proposed
Starting Dates: June thru August 1981) - Areas of
Interest include: Environment, Energy, and Resources;
Innovation Processes and their Management; Socio-
economic Effects of Science and Technology; Technology
Assessment; and, Cross-Cutting Topics July 1

Science for Citizens (SFC) Forums, Conferences, Work-
shops, and Planning Studies-Preliminary Proposals with
earliest starting date of March 15, 1981 July 15

Unsolicited Research Proposals for Materials Research
Laboratories (Proposed Starting Dates: January/
February 1981) July 15

Student Science Training Program (SSTP)

Ethics and Values in Science and Technology (EVIST)-
Formal Proposals with the earliest starting date of
February 1, 1981. August 1

Public Understanding of Science (PUOS) Program-Formal
Proposals with the earliest starting date of February 1,
1981 August 1

Unsolicited Research Proposals for the Climate Dynamics
Program (Announcement of Awards: February 1, 1981). August 1

Unsolicited Research Proposals for the Human Cell Biology
Program (Proposed Starting Dates: June/July 1981) August 15

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773.

American Heart Association	
Established Investigatorships	July 1
Teaching Scholarship Awards	September 5
Burroughs-Wellcome Fund	
Visiting Professorships in the Basic Medical Sciences	May 1
Deafness Research Foundation	
Research Grants	July 15
Eastman-Kodak Charitable Trust	
Educational and Cultural Grants	Letter Inquiries
Hammer (Armand) Foundation	
Arts, Medical Education Grants	Letter Inquiries
IREX (International Research and Exchange Board, with Socialist Countries)	
Travel Grants for Senior Scholars	May 31
Collaborative Activities and New Exchanges	April 30
Minnesota Humanities Commission	May 15 & July 15
Minnesota Medical Foundation	June 30
National Epilepsy Foundation	
Research Grants	August 1
National Foundation for Ileitis and Colitis	
Career Development Award	August 1
Senior Fellowship Award	August 1
Research Grants	August 1
National Foundation - March of Dimes	
Clinical Research Grants	August 1
Starter Research Grants	No deadline
National Multiple Sclerosis Society	
Research Grants	July 15
Runyon-Winchell Career Fund	
Fellowships	August 15
Whitney (Helen Hay) Foundation	
Postdoctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Disease	August 15

Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORADDC Newsletter

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FEDERAL OBLIGATIONS TO COLLEGES AND UNIVERSITIES FISCAL YEAR 1978

The National Science Foundation recently published data of federal obligations for research and development to higher education for fiscal year 1978. The

following table shows the top 25 institutions in total obligations and also their research and development obligations. For comparative purposes, we have added the fiscal year 1977 rankings for those same institutions. The University of Minnesota's rank of eighth in 1978 was a drop from fifth place in 1977. Total obligations did increase, however, from \$92.7 million to \$93.6 million. Minnesota has consistently ranked among the top ten recipients of federal obligations since fiscal year 1971. Johns Hopkins University received a substantial obligation, #137.3 million, from the Department of Defense resulting in their jump in rank from fifteenth in 1977 to number one in 1978.

THE TOP 25 INSTITUTIONS IN TOTAL FEDERAL OBLIGATIONS FOR FISCAL 1978

Institution	Research and Development ¹			Total Federal Obligations		
	Amount	1978 Rank	1977 Rank	Amount	1978 Rank	1977 Rank
Johns Hopkins U.	\$196,081,000	1	10	\$212,866,000	1	15
Mass. Inst. of Technology	114,021,000	2	1	130,586,000	2	2
Howard U. ²	5,715,000	126	n.a.	116,195,000	3	1
U. of Washington	76,080,000	5	4	105,671,000	4	3
U. of Wis., Madison	65,225,000	8	8	99,330,000	5	11
U. of Cal., Los Angeles	69,595,000	6	3	97,779,000	6	4
Stanford U.	80,110,000	3	2	94,009,000	7	6
U. of Minnesota	59,582,000	10	11	93,558,000	8	5
Harvard U.	68,520,000	7	7	89,949,000	9	7
U. of Cal., San Diego	77,033,000	4	5	88,508,000	10	8
U. of Michigan	58,444,000	11	9	86,527,000	11	9
Columbia U., Main Div.	64,687,000	9	6	94,941,000	12	10
Cornell U.	58,258,000	12	12	79,729,000	13	12
U. of Pennsylvania	58,138,000	13	13	78,350,000	14	13
Yale U.	53,805,000	14	14	67,892,000	15	16
Pennsylvania State U.	41,974,000	20	33	66,767,000	16	21
U. of Cal., Berkeley	49,663,000	15	16	65,720,000	17	14
Ohio State U.	33,983,000	25	26	64,107,000	18	18
U. of Chicago	48,984,000	16	15	61,262,000	19	17
U. of Southern Cal.	42,458,000	19	19	61,039,000	20	19

(continued)

U of Cal., San Fran.	46,388,000	17	20	59,488,000	21	24
U. of Illinois, Urbana	42,947,000	18	17	58,840,000	22	20
New York U.	38,235,000	22	21	54,905,000	23	22
U. of Colorado	32,091,000	27	22	53,375,000	24	23
Washington U.	41,974,000	21	18	52,162,000	25	25

¹Amounts shown represent total obligations from 14 federal agencies which accounted for over 95 percent of all federal obligations to universities and colleges in the United States and for 99 percent of all federal obligations to such institutions for research and development. These proportions may not apply to all individual institutions, some of which receive significant amounts of their funding from agencies not included in the survey, such as the Department of Justice, the Veterans' Administration, and the Smithsonian Institution. Amounts shown represent awards to individual institutions.

²Howard U. receives substantial appropriations from Congress each year for general operating expenses: its relative rankings thus reflect the magnitude of their nonscience programs.

Source: National Science Foundation

**NEW ASSISTANT COST ANALYST
JOINS ORA STAFF**

Mr. Charles Cross has recently joined the ORA as an Assistant to the Research Cost Analyst. His duties will be to assist in the development of the indirect cost and fringe benefit rates. He will also be responsible for reviewing and approving service center rates. Mr. Cross was employed by Johns Hopkins University for the past several years and was responsible for the development of the institutional indirect cost rate. His experience at that respected research-oriented institution will be a great benefit to ORA.

**NSF-NEW BIOSALINE
RESOURCES RESEARCH**

Oceans, saline estuaries, and arid lands having high salt concentrations can possibly be used to grow plants and microbes which can serve as sources of chemicals and other useful materials. NSF's Alternative Biological Sources of Materials program will support research on assessing the feasibility of using biosaline resources to produce chemicals and materials.

Specific research areas include identification of photosynthetic biosaline plants and microbes, examination of biochemical pathways and physiological control points involved in salt and heat tolerance and establishment of effective large-scale production practices for promising organisms.

For further information, contact Dr. Oskar Zaborsky, Division of Problem-Focused Research (202) 632-7398.

THREE PROGRAMS ESTABLISHED
IN NSF'S DIRECTORATE FOR
ENGINEERING AND APPLIED SCIENCE

On December 11, 1979, the Directorate for Engineering and Applied Science announced the establishment of three programs: The Computer Engineering

Program was established in the Division of Electrical, Computer, and Systems Engineering with Dr. Bernard Chern as program director. The other two programs were established in the Division of Chemical and Process Engineering: The Kinetics, Catalysis and Reaction Engineering Program, with Dr. Farley Fisher as acting program director; and the Chemical and Biochemical Systems Program, with Dr. William Weigand as program director. The Chemical Process Program was simultaneously disestablished.

NSF-RESEARCH COOPERATION BETWEEN
UNIVERSITIES AND INDUSTRIES

In order to encourage and strengthen the nation's basic and applied research efforts, NSF is providing grants for the

support of cooperative research projects between universities and industrial firms.

To qualify for support, proposals must be prepared jointly by academic and industrial researchers and be submitted jointly by their respective institutions. The research should focus on fundamental scientific questions of a basic or applied nature rather than on technological development.

For further information, request brochure NSF 80-13 on the Publications Order Form, or contact Dr. Frederick Betz, Industry/University Cooperative Research Program (202) 632-4050.

U.S. DEPARTMENT OF AGRICULTURE,
SCIENCE AND EDUCATION
ADMINISTRATION SOLICITATION OF
APPLICATIONS

Solar Energy Systems for Agriculture
Program for Fiscal Year 1980.
Postmark Deadline of May 9, 1980

Total amount available for award in FY 1980 is expected to be \$2,300,000, of which a minimum of \$200,000 will be for projects with major emphasis on passive and passive-hybrid solar systems. Although USDA/SEA has not yet received these funds from DOE, this solicitation is being announced to allow adequate time for potential recipients to prepare and submit applications. The award of any grants under this notice is conditioned upon the actual receipt of funds to be transferred to USDA/SEA by DOE.

Solar Energy Systems for agriculture include those activities related to the active or passive collection, storage, and use of solar energy, and the utilization of biomass and wind energy as backup systems to direct solar systems. Details of research and development to be considered are given in the specific section of Federal Register dated April 8, 1980. Copies of this section are available from ORA at 373-2785.

Specific areas for single-purpose applications include: (1) solar energy for crop drying, (2) solar energy use in livestock shelters, (3) solar heating and cooling of greenhouses and rural residencies, and (4) solar energy uses in food processing.

U.S. DEPARTMENT OF ENERGY
SOLICITATION OF
APPLICATIONS

Program Research and Development
Announcement (PRDA) Economic Innovations
for Ultra Low-Head Hydroelectric Applica-
tions DE-RA07-801DI2087

The U.S. Department of Energy, Idaho Operations Office (DOE) is soliciting proposals, by means of this Program Research and Development Announcement (PRDA), to conduct engineering studies, research, and/or development of concepts which would significantly improve the economic viability of the nations ultra low-head hydroelectric resource at sites which have a power potential of 25 MW or less. This PRDA summarizes the DOE ultra low-head hydroelectric program objectives, the qualification criteria, eligibility, proposal evaluation/selection criteria, and instructions for proposal preparation.

Proposals should be prepared and submitted in accordance with the instructions included in this PRDA. Proposals must be received at the DOE Idaho Operations Office by 4:00 p.m. local time, June 9, 1980. Copies of this PRDA are available from the Office of Research Administration at 373-2785.

NATIONAL INSTITUTE OF JUSTICE
SOLICITATION: SUPERVISED
RELEASE PROGRAM TEST DESIGN

The National Institute of Justice announces a competitive research cooperative agreement program to conduct an evaluation of the Supervised Release

Program Test Design of the National Institute. The evaluation will be a comparative assessment of the impact of the program design on three Criminal Justice operating agencies.

The solicitation asks for the submission of preliminary proposals. A formal application will be requested following a peer review process in accordance with the criteria set forth in the solicitation. All papers must be post-marked no later than midnight, May 30, 1980. The cooperative agreement award is planned for July 1, 1980, with funding support not to exceed \$300,000 or 24 months duration.

Further information and copies of the solicitation can be obtained by contacting Frank J. Vaccarella or Joyce Cason, Office of Program Evaluation, National Institute of Justice, 633 Indiana Ave. N.W., Washington, D.C. 20531, or by phone (301) 492-9085.

HUGH KELLY FELLOWSHIP

Applications are invited for the Hugh Kelly Fellowship for 1981-82. The Fellowship is awarded to enable senior scientists to devote themselves to advanced work in any of the following Science Departments: Chemistry, Computer Science, Geography, Geology, Mathematical Statistics, Mathematics, Microbiology, Pharmaceutical Sciences, Physics, Plant Sciences, Psychology, Zoology and Entomology. The Fellow will be required to reside at Rhodes University for the term of his Fellowship.

Application forms are available from the Registrar, Rhodes University, Grahamstown, 6140 SOUTH AFRICA.

NATIONAL INSTITUTE OF JUSTICE
PREINDICTMENT DECISIONMAKING:
SOLICITATION

The National Institute of Justice announces a competitive research solicitation aimed at examining Preindictment Decision Making.

The solicitation asks for preliminary proposals to be submitted for peer review in accordance with the criteria set forth in the solicitation. In order to be considered, all proposals must be postmarked no later than May 23, 1980. A grant or cooperative agreement for an 18 month research project is planned, with funding not to exceed \$150,000.

Copies of the solicitation may be obtained by sending a mailing label to: Solicitation Request No. 131, Preindictment Decision Making, National Criminal Justice Reference Service, Box 6000, Rockville, Maryland 20850.

THE PARENTERAL DRUG
ASSOCIATION

Grants up to \$7,500 will be awarded for the best proposals submitted; proposals must be prepared with the intention to stimulate research in the area of and/or related to parenteral medications. Fields of research include pharmaceuticals, microbiology, biology, medicinal chemistry, clinical medicine, quality control, clinical pharmacology, manufacturing, engineering or other appropriate disciplines related to parenteral medication. Application Deadline: July 1, 1980.

Further information is available from the Parenteral Drug Association, Inc., Western Savings Bank Building, Broad and Chestnut Streets, Philadelphia, PA 19107.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Following is a list of some, but not all, agency deadlines occurring within the next few months. All grant applications must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

Research Grants, New	July 1
Research Grants, Renewals	June 1
Foreign Currency Credit Awards	July 1
NHLBI, Young Investigator Award Research Grant	July 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants	July 1
Individual Postdoctoral Fellowship	June 1
Program Project Grant	June 1
Special Research Award (New Investigators).	July 1
Research Career Award	June 1
Institutional Training Grant	June 1
NIA, Biomedical Research and Clinical Medicine.	July 1
NCI/NEY/NHLBI/NIA/ NIAMDD/NIDR/NINCDS: Postdoctoral Fellowships in Nutrition.	June 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NIEHS/NINCDS: Institutional Grants in Nutrition	June 1
NIAMDD, Research Interests of the Chronic Renal Disease Program	July 1
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent by March 1; Proposal June 1; Letter of Intent by July 1)	October 1
Fogarty International Center: French National Center for Scientific Cooperation	October 1
NHLBI, Clinical Investigator Award (REVISED DATE)	August 1
NIAMDD, Clinical Investigator Award	June 1
NIAID, New Investigator Research in Clinical Immunology and Virology.	July 1
NIAID, Allergic Diseases Academic Award	June 1
NIAMDD, DRTC Exploratory Grants	June 1
NIA, Immunology Program--Molecular and Biochemical Program:	
Research Grants	July 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants	June 1
NIAID, Immune Mechanisms and Cutaneous Disorders	July 1
NIDR, Craniofacial Defects.	July 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program	July 1
NIA, Social and Behavioral Research on Aging:	
Program Project Grants (Letter of Intent one month prior to date).	June 1
Postdoctoral Fellowships	June 1
Special Research Award	July 1
Senior Fellowship Program	June 1
Clinical Investigator Award	June 1
Research Career Development Award	June 1
Research Grants	July 1
Special Initiative Awards	July 1
Institutional Training Grant	June 1

NINCDS, Genetic and Biochemical Bases of Otosclerosis July 1
 NIGMS, Burn and Trauma Research and Research Training:
 Research Center Grants June 1
 Program Project Grants June 1
 Research Grants July 1
 Research Career Development Awards June 1
 Special Grants for New Investigators July 1
 Individual Postdoctoral Fellowships June 1
 Institutional Postdoctoral Training June 1
 NHLBI, Methods for Quantifying the Size and Evaluating the
 Function of Ischemic and Infarcted Myocardium July 1
 NICHD, Maternal Smoking and Pregnancy Outcome July 1
 NICHD, Behavioral and Social Science Research in
 Mental Retardation July 1
 NINCDS, Sodium Fluoride in the Treatment of Sensorineural
 Hearing Loss in Otosclerosis July 1
 NINCDS, Clinical Research Centers for Human
 Chemosensory Studies July 1
 NINCDS, Individual Postdoctoral Fellowships--Clinical
 Research in Otolaryngology June 1
 NINCDS, Individual Postdoctoral Fellowships--Speech and/or
 Language Disorders in Children June 1
 NIDR, Fluoride Research Grants July 1
 NIAMDD, New Investigator Research in Diabetes July 1
 NHLBI/NIAMDD, SERCA--Diabetes Mellitus-Cardiovascular,
 Metabolic and Endocrinologic Aspects June 1
 NIH, National Service Awards for Senior Fellows June 1
 NHLBI, The Effects of Smoking on the Blood and
 Cardiovascular and Respiratory Systems July 1
 NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIEHS/NINCDS/NIA:
 Studies of Diabetes Mellitus and Related Problems July 1
 NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The
 Epidemiology of Diabetes:
 Research Grants July 1
 SERCA June 1
 Research Career Development Awards June 1
 New Investigator Research Awards July 1
 Academic Investigator Awards June 1
 Clinical Investigator Awards June 1
 Individual Postdoctoral Fellowships June 1
 NHLBI, RFA: Specialized Centers of Research in Chronic
 Obstructive Lung Diseases, Pediatric Pulmonary Diseases,
 Fibrotic and Immunologic Interstitial Lung Diseases,
 Pulmonary Vascular Diseases (Letter of Intent by July 1). September 15
 NCI, Research Related to Genetic Susceptibility
 of Human Breast Cancer July 1
 NHLBI, RFA: Specialized Centers of Research on
 Arteriosclerosis (Letter of Intent by June 16) September 2
 NCI, Smoking, Cancer and Health Program:
 Research Grants July 1
 Program Project Grants June 1
 Individual Postdoctoral Training June 1
 Institutional Postdoctoral Training June 1
 Research Career Development Awards June 1

NCI, Preventive Oncology Academic Award (REVISED DATE) May 1, 1981
 NIH, New Investigator Awards July 1
 NIOHS, Occupational Cutaneous Hazards and Diseases
 (Dermatology Program) July 1
 NIOHS, Grants for Research and Demonstrations Relating
 to Occupational Safety and Health July 1
 NIH, Support of Meetings Open
 NIH, NRSA for Short-Term Training of Students in
 Health Professional Schools May 1, 1981
 NIDR/NIA, Geriatric Dentistry Academic Award July 1
 NIAID, Pseudomonas Infections in Cystic Fibrosis:
 Research Grants July 1
 Individual Postdoctoral Fellowships June 1
 NHLBI, Preventive Oncology Academic Award (Annual-1981) April 1
 NIAMDD, Diabetes Research and Training Center Grants June 1
 NHLBI, Biobehavioral Approaches to the Treatment of
 Hypertension (Letter of Intent required prior to
 deadline) July 1
 NICHD, Developmental Aspects of Behavior and Nutrition. . . . July 1
 NCI, Experimental Research Related to Mammographic
 Screening for Human Breast Cancer July 1
 NIA, Cellular Aging Research: Differentiated Cells in
 Culture:
 Research Grants July 1
 Individual Postdoctoral Fellowships June 1
 Program Project Grants June 1
 Special Research Award July 1
 Clinical Investigator Award June 1
 Research Career Development Award June 1
 Institutional Training Grants June 1
 NIA, The Genetic Basis of Aging: C. elegans as a Model
 System:
 Research Grants July 1
 Individual Postdoctoral Fellowships June 1
 Program Project Grants June 1
 Special Research Award July 1
 Research Career Development Award June 1
 Institutional Training Grants June 1
 NHLBI, Physiological and Pathophysiological Effects of
 Mechanical Circulatory Support Devices July 1
 NIA, Summary of Active Program Announcements July 1
 NIGMS, RFA: An Evaluation of A¹³CO₂/I¹²CO₂ Infrared
 Heterodyne Ratiometer in Biomedical Studies May 15
 NIAMDD/NIA, Special Emphasis Research Career Award-
 Diabetes Mellitus in the Elderly June 1
 NIAID, RFA: Asthma and Allergic Disease Centers (Letter
 of Intent by July 15, 1980) October 15
 NCI, Cancer Clinical Treatment Research July 1
 NCI, RFA: Studies of Immunocompetent Cells Infiltrating
 Human Breast Cancer June 1
 Research Career Development Awards June 1
 Individual Postdoctoral Fellowships June 1
 Institutional Training Programs June 1

NHLBI, Biobehavioral Approaches to the Treatment of
 Hypertension July 1
 Fogarty Center, Sr. International Fellowships, 1981-82 October 1
 Fogarty Center, Sr. International Fellowships in
 Special Fields: Aging, Arthritis, Diabetes, Epilepsy,
 Tropical Diseases October 1
 NICHD, RFA: Human Infertility June 16
 NIAID, RFA: Tropical Disease Research Units (Letter of
 Intent, if possible, by April 16) DEADLINE WITHDRAWN BY NIA
 NICHD, Clinical Investigator Award. June 1
 NIAMDD, Liver Diseases Research July 1

Alcohol, Drug Abuse, and Mental Health

Research Grants, New July 1
 Research Grants, Renewals June 1
 Small Grants Program. Open
 National Research Service Awards. June 1
 Research on Substance Use July 1
 Grant Program in Mental Health Service System Research. July 1
 Institutional Training Grants June 1

Health Care Financing Administration

Grants for Research and Demonstration October 6

National Center for Health Services Research

Doctoral Dissertation , October 15
 Research Management Series--Research Priorities Open

Health Resources Administration

Research Scientist Development/Research Scientist Award June 1

Health Services Administration

Sudden Infant Death Syndrome Program REVISED DATE. June 20
 Program Grants for Black Lung Clinics May 30

Office of Human Development Services

National Conferences on Aging Program May 27
 National Continuing Education and Training Program
 In the Field of Aging May 27
 Child Welfare Research and Demonstration Grants
 and Cooperative Agreements: May 18
 Project I -Child Welfare Secondary Prevention
 Projects Assessment
 Project II -Detailed Design for Service Provision
 and Assessment
 Project III -Implementation of the Indian Child
 Welfare Act of 1978
 Project IV -Child Welfare Planning Models
 Project V -Analysis of Child Welfare Survey Data
 Project VI -Evaluation of Divorce Mediation
 Services Program

(continued)

Project VII -Public Education Re: The Uniform Child
Custody Jurisdiction Act
Project VIII-Field Initiated Research Relating to
Child Welfare Issues
Cooperative Agreement Funds for Crosscutting Research and
Demonstration Program May 20

National Institute of Education

Grants for Research on Organizational Processes
in Education:
Preliminary Proposals (Final 7/18/80) August 18
Small Grants August 18
Unsolicited Proposals June 30
Grants for Research on Knowledge Use and School
Improvement May 13
Grants for Research on Desegregation (Preliminary). May 22
(Full Proposal). October 7

Food and Drug Administration

Research Grants, New July 1
Research Grants, Renewals June 1
RFA: Application of New Technology in Diagnostic Radiology . May 7
RFA: Delayed Effects of Ultrasound Exposure. May 7
RFA: Utility of Diagnostic X-Ray Examinations. May 28

U.S. Office of Education

Women's Educational Equity Act. May 9
Consumer's Education Program. May 12
National Demonstration Projects, Upward Bound
and Special Services for Disadvantaged Students May 31
Cooperative Education, Demonstration Projects May 22
Community Education June 30

Questions regarding the following deadlines should be referred to ORA at
373-2784.

National Science Foundation

Public Understanding of Science (PUOS) Program -
Preliminary Proposals with the earliest starting
date of February 1, 1981 June 2
Scientists and Engineers in Economic Development
(SEED) Program - Announcement of Awards: November 1980 . . June 2
U.S. Antarctic Research Program (for research in
Antarctics during the 1981-82 austral summer
(September 1981 through March 1982) and extending
through the southern hemisphere winter of 1981; for
research or data analysis in the U.S. to commence
approximately January 1, 1981) June 2
Unsolicited Research Proposals for the Division of
Applied Research (Proposed Starting Dates: January/
February 1981) - Programs include: Applied Physical,
Mathematical, and Biological Sciences and Engineering;
Applied Social and Behavioral Sciences June 30

Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: January/February 1981) - Programs include: Biological Research Resources, Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology . June 30

International Travel Grant Program (for Group Travel with travel dates between April 1, 1981 and June 30, 1981; for Individual Travel with travel dates between October 1, 1980 and December 31, 1980). July 1

Oceanographic Facilities and Support (OFS) - For Calendar Year 1981 Operations July 1

U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: March 1981). July 1

Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: January/February 1981) - Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology July 1

Unsolicited Research Proposals (Preliminary) for the Division of Policy Research and Analysis (Proposed Starting Dates: June thru August 1981) - Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socio-economic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics July 1

Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies-Preliminary Proposals with earliest starting date of March 15, 1981 July 15

Unsolicited Research Proposals for Materials Research Laboratories (Proposed Starting Dates: January/February 1981) July 15

Ethics and Values in Science and Technology (EVIST)-Formal Proposals with the earliest starting date of February 1, 1981. August 1

Public Understanding of Science (PUOS) Program-Formal Proposals with the earliest starting date of February 1, 1981 August 1

Specialized Engineering Research Equipment Grants (Announcement of Awards: February 1, 1981) August 1

Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: February 1, 1981) August 1

Unsolicited Research Proposals for the Human Cell Biology Program (Proposed Starting Dates: June/July 1981) August 15

Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Earliest Starting Date: January 1, 1981) - Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics August 15

Unsolicited Research Proposals for the Division of Social and Economic Science (Proposed Starting Dates: May/June 1981) - Programs include: Economics, Geography and Regional Science, History and Philosophy of Science, Law and Social Sciences, Measurement Methods and Data Resources, Political Science, and Sociology. August 15

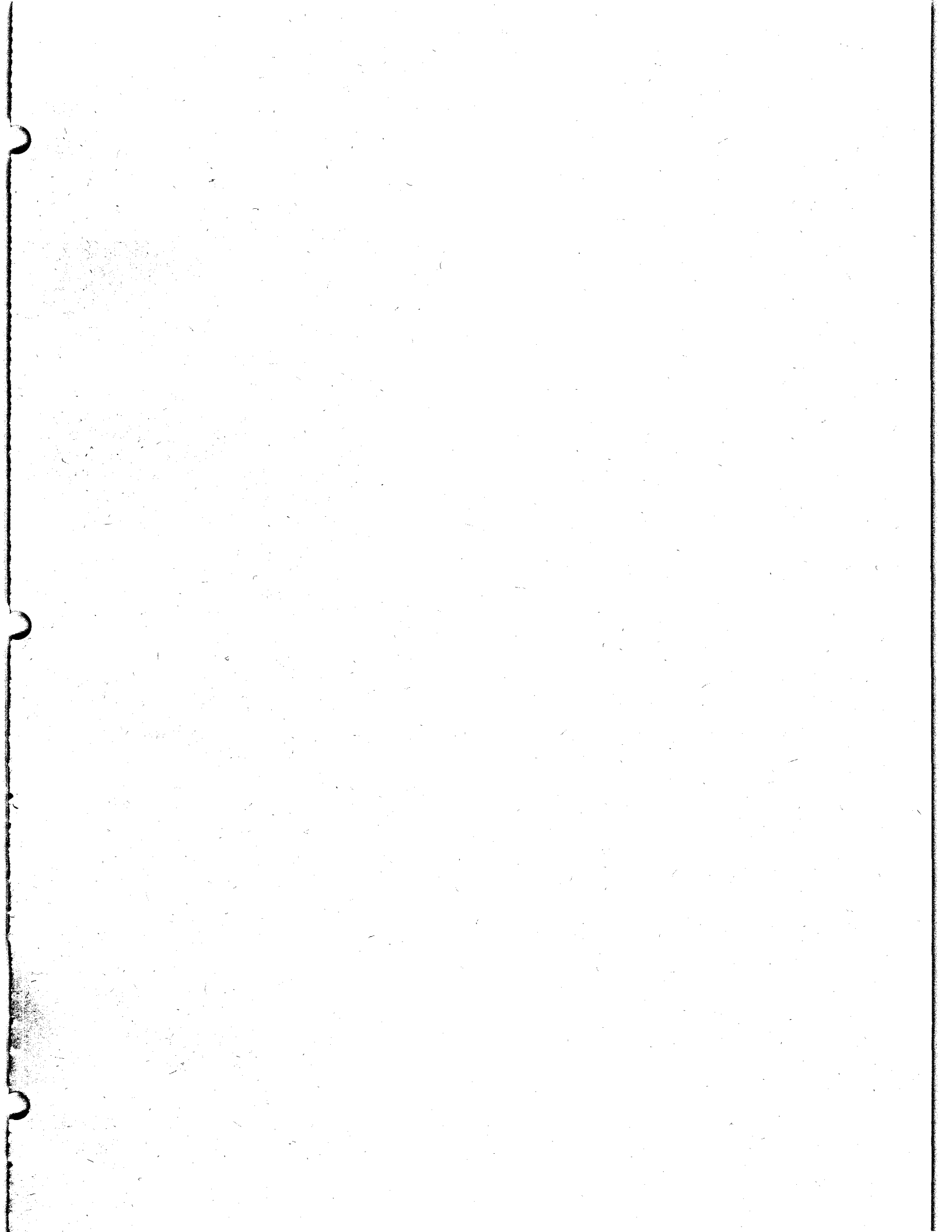
Student Science Training Program (SSTP) August 22
 Undergraduate Research Participation (URP) -
 (Announcement of Awards: January 1981) To be announced
 Arctic Research Program (Announcement of Awards:
 January through June 1981) September 2
 Ethics and Values in Science and Technology (EVIST) -
Preliminary Proposals with the earliest starting
 date of June 1, 1981 September 2
 U.S.-Australia Cooperative Science Program (for
Long-Term Visits to start between April 1, 1981
 and September 30, 1981). September 2
 U.S.-Japan Cooperative Science Program (for Visits
 to begin September 1, 1981 through August 31, 1982). September 2
 Unsolicited Research Proposals for the Division of
 Earth Sciences (Earliest Starting Dates: June/July 1981) -
 Programs include: Geochemistry, Geology, Geophysics,
 and Petrology September 2
 Science for Citizens (SFC) Forums, Conferences, Workshops,
 and Planning Studies - Formal Proposals with the
 earliest starting date of March 15, 1981 September 15
 U.S.-India Exchange of Scientists (for Visits to
 commence after March 15, 1981) September 15
 Unsolicited Research Proposals for the Biological
 Instrumentation Program (Announcement of Awards: June 1981). September 30

PRIVATE

Questions regarding the following deadlines should be referred to ORA at
 373-0773.

American Heart Association
 Established Investigatorships. July 1
 Teaching Scholarship Awards September 5
 Burroughs-Wellcome Fund
 Visiting Professorships in the Basic Medical Sciences. May 1
 Deafness Research Foundation
 Research Grants July 15
 Francis (Parker B.) Foundation
 Fellowships in Pulmonary Research. September 15
 Grant Foundation
 Grants for Psychological and Social Development of Youth September 1
 IREX (International Research and Exchange Board,
 with Socialist Countries)
 Travel Grants for Senior Scholars May 31
 Juvenile Diabetes Foundation
 Fellowships. September 10
 Leukemia Society of America, Inc. September 1
 March of Dimes - Birth Defects Foundation
 Clinical Research Grants August 1
 Starter Research Grants No deadline
 Social and Behavioral Sciences September 1
 Minnesota Humanities Commission May 15 & July 15

Minnesota Medical Foundation June 30 &
 September 30
 National Epilepsy Foundation
 Research Grants August 1
 National Multiple Sclerosis Society
 Research Grants July 15
 National Foundation for Ileitis and Colitis
 Career Development Award August 1
 Senior Fellowship Award August 1
 Research Grants August 1
 Pharmaceutical Manufacturers Association Foundation
 Research Starter Grants. September 1
 Fellowship Program for Advanced Predoctoral Training September 15
 Runyon-Winchell Cancer Fund
 Fellowships August 15
 Whitney (Helen Hay) Foundation
 Postdoctoral Fellowships in Basic Medical Sciences
 and Rheumatic Heart Disease August 15



Office of Research Administration
2642 University Avenue
University of Minnesota
St. Paul, Minnesota 55114

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ORA RDC Newsletter

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**INTRA-UNIVERSITY CONSULTING:
POLICY RELATIVE TO SPONSORED
PROGRAMS**

The following memorandum has been issued by the ORA, after consultation with other University units, in an effort to resolve the questions and confusion which have

arisen on the subject of intra-university consulting.

The Consulting Payment Procedure Statement issued December 15, 1978, established procedures consistent with University, sponsor agency, and federal policies, for payments to be made to non-University employees and to University faculty as compensation over and above their established University salary base. Briefly, such payments to University faculty require the preparation of the Consulting Agreement Form (BA206) and the approval of that agreement by the appropriate department heads, dean(s), and vice president(s). Full approvals through administrative channels are required by both the department requiring such consulting and by the department offering the services of one of its faculty. While the procedures for such payments are rather clear-cut, the circumstances under which these payments can be made and the University and agency policies underlying these payments require, in light of recent experiences, further explanation.

Currently, the terms and conditions of sponsored project agreements and the policies of sponsor agencies generally permit the grantee institution to provide additional compensation for intra-institutional consulting under certain limited situations and conditions. The purpose of the consulting must be justified and conducted across departmental lines and/or at a remote location. The consulting must be for a very brief period of time and must not constitute a regular, on-going relationship. Finally, the additional compensation must be at a rate which does not exceed the faculty member's established University rate of pay for the period to be devoted to the consulting activity.

Where these conditions exist, the institution may choose to approve payment as additional compensation to the faculty member. These payments are entirely at the discretion of the institution and in circumstances other than those outlined above, additional compensation cannot be approved. Importantly, at the University of Minnesota it has long been established institutional policy to discourage and disapprove additional compensation payments for consulting by faculty members on sponsored projects within the University. Faculty members are encouraged to offer advice and brief consulting with faculty colleagues, both within and outside of the faculty member's department, as a part of the regular obligations of a faculty appointment at the University. When consulting goes beyond brief and intermittent services, the faculty member should expect to be appointed on the sponsored project through established cross-charged payroll procedures and to be paid at the base salary rate.

(continued)

Exceptions to this University policy will be approved only when the request is consistent with the stated agency guidelines and when fully justified. The BA206, Memorandum of Agreement, must be approved by the appropriate department heads, dean(s) and vice president(s). Agreements may be rejected at any point in the administrative approval process. Final approval to all intra-institutional consulting agreements on research contracts and grants must be given by the Office of Research Administration. The ORA will approve these agreements only after the agreement has been approved fully through the procedures discussed above and then only if the terms and conditions of the sponsored agreement are satisfied entirely.

NIH ISSUES POLICY/PROCEDURES
FOR CONTINUED SUPPORT OF
RESEARCH PROJECT WHEN
PRINCIPAL INVESTIGATOR LEAVES
GRANTEE INSTITUTION

NIH has issued a policy statement relating to continued support of a research project when the Principal Investigator departs the grantee institution. A copy may be obtained from ORA at 373-5925.

LAW ENFORCEMENT ASSISTANCE
ADMINISTRATION

The National Institute for Juvenile Justice and Delinquency Prevention (NIJJDP), Office of Juvenile Justice and Delinquency Protection (OJJDP) is sponsoring a Minority Research Initiative aimed at involving researchers who are members of racial minority groups to undertake research on juvenile justice related matters. This Initiative is specifically aimed at the promotion, enhancement, and support of research by minorities into problems or issues in juvenile justice, delinquency prevention, and reduction. Two separate awards will be made at approximately \$200,000 each for 12 months. For the purpose of this solicitation minorities include such racial/ethnic groups as Blacks, Hispanics, Native Americans and Asian Americans.

The solicitation outlines the scope of the research program and provides the necessary background instructional materials. Public and private minority agencies and individuals are eligible to apply. The deadline for the submissions of applications is June 20, 1980.

Copies of the solicitation can be obtained by writing to the NIJJDP/OJJDP, Room 304, 633 Indiana Ave. N.W., Washington, DC 20531, or by calling (202) 724-5893.

NATIONAL ENDOWMENT FOR
THE HUMANITIES

NEH announced the continuation of the program of NEH Summer Seminars for college teachers for the summer of 1981. They are seeking scholars to direct these seminars who are well qualified for the task by reason of the quality of their scholarship and their ability and interest in undergraduate teaching. The deadline for submission of proposals for the 1981 Summer Seminars is July 1, 1980. For additional information and guidelines contact Mrs. Dorothy Wartenberg, Division of Fellowship, National Endowment for the Humanities, Washington, DC 20506, telephone (202) 724-0376.

**CRIMINAL JUSTICE EVALUATION
ACTIVITIES; SOLICITATION NIJ**

The National Institute of Justice has an interest in sponsoring studies which will widen the scope of its criminal justice evaluation activities. The specific goal of this program is to fund a limited number of evaluation proposals that are not necessarily designated as priority areas in the Institute Program Plan but which address significant criminal justice issues, are of sound methodological design, and have potentially important implications for criminal justice policy and practice. Attention should be given to planned or operational innovative programs where evaluation is needed or where additional funding will improve the potential of evaluation studies now underway. However, proposals in the general area of criminal justice evaluation which have the potential of answering a significant question for practitioners are invited as well.

The range of funding for each award will be from \$50,000 to \$300,000 for research of up to two years duration, with preference being given to projects budgeted toward the lower end of the range.

Copies of the solicitation may be obtained by calling or writing: General Evaluation Program, National Criminal Justice Reference Service, P.O. Box 6000, Rockville, MD 20850, (301) 862-2900. For further information about the program or the application process, interested parties may write to: Office of Program Evaluation, National Institute of Justice, 633 Indiana Ave. N.W., Washington, D.C. 20531, or call W. Jay Merrill at (301) 492-9085.

**NIJ SOLICITATION: NATIONAL
ASSESSMENT OF MINORITY EMPLOY-
MENT IN CRIMINAL JUSTICE SYSTEM**

The National Institute of Justice is announcing a call for papers to conduct a national assessment of minority employment in the criminal justice system. More than 500 research and action projects related to minority employment have been funded under the auspices of the Department of Justice. Yet the comparative success of these efforts is unclear. The national assessment will help determine the effectiveness of various employment projects and will allow the development of design(s) for further indepth evaluation.

The solicitation requests preliminary proposals which must be postmarked no later than June 13, 1980. A formal application will be requested by July 11, 1980 following a peer review process described in the solicitation.

The assessment will be funded as a cooperative agreement of 18 month duration at a funding level of \$300,000. The cooperative agreement should be awarded by September 1, 1980. To maximize competition for this award, both profit-making and nonprofit-making organizations are eligible to apply.

Copies of the solicitation can be obtained by written request to the National Criminal Justice Reference Service, Box 6000, Rockville, MD 20850. Further information can be obtained by phone from Jan Hulla or Joyce Cason, Office of Program Evaluation (301) 492-9085.

UNIVERSITY PROFESSORS
POSTDOCTORAL FELLOWSHIP IN THE
HUMANITIES, BOSTON UNIVERSITY

The postdoctoral fellowship at Boston University is for one year, without the possibility of renewal. During the spring term a Fellow may teach one course which

will be closely related to the main purpose of his/her research or training.
Stipend: \$15,000 Application Deadline: June 15, 1980

Further information is available from the Graduate Fellowship Office, 373-2833.

THE WILSON CENTER FELLOWSHIPS

The Center seeks to commemorate through its residential fellowship program of advanced

research both the scholarly depth and the public concerns of Woodrow Wilson. The fellowships are awarded in one broadly defined division and five more focused categories, as follows: History, Culture and Society; American Society and Politics; the Kennan Institute for Advanced Russian Studies; The Latin American Program; East Asia Program; The International Security Studies Program. The program is residential, and Fellows are expected to devote full time to the major research project proposed in the application. Duration: four months to one year. Application Deadline: October 1, 1980

Stipend: at the level of the Fellow's income rate for the preceding year. Applicants should specify a particular category of study and write to: Fellowship Office, Room 321, Woodrow Wilson International Center for Scholars, Smithsonian Institution Building, Washington, DC 20560.

RADCLIFFE COLLEGE RESEARCH
SCHOLARS PROGRAM

Funded by a grant from the Andrew Mellon Foundation, the purpose of the program is to encourage scholars to revise and enrich

their study of American Society by drawing upon the resources available at the Arthur and Elizabeth Schlesinger Library on the History of Women in America and at the Henry A. Murray Research Center. Radcliffe is especially interested in research projects that include the analysis of previously unused or underused materials and that make substantial contributions to a better understanding of women in American society.

Stipend: \$15,000 for one year, or \$10,500 for one term plus a summer.

Application Deadline: November 7, 1980.

Further information is available from the Graduate Fellowship Office, 373-2833.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

Following is a list of some, but not all, agency deadlines occurring within the next few months. All grant applications

must be processed through the appropriate academic department or college, as well as ORA, before being submitted.

FEDERAL

Questions regarding the following deadlines should be referred to ORA at 373-5925.

National Institutes of Health

Research Grants, New.	July 1
Research Grants, Renewals	October 1
Foreign Currency Credit Awards.	July 1
NHLBI, Young Investigator Award Research Grant.	July 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants	July 1
Individual Postdoctoral Fellowship.	October 1
Program Project Grant	October 1
Special Research Award.	July 1
Research Career Award	October 1
Institutional Training Grant.	October 1
NIA, Biomedical Research and Clinical Medicine.	July 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NINCDS: Postdoctoral Fellowships in Nutrition.	October 1
NCI/NEY/NHLBI/NIA/NIAMDD/NIDR/NIEHS/NINCDS: Institutional Grants in Nutrition	October 1
NIAMDD, Research Interests of the Chronic Renal Disease Program	July 1
NIAMDD, Multipurpose Arthritis Center Grants (Letter of Intent July 1).	October 1
Fogarty International Center: French National Center for Scientific Cooperation.	October 1
NHLBI, Clinical Investigator Award (Annual Deadline).	August 1
NIAMDD, Clinical Investigator Award	October 1
NIAID, New Investigator Research in Clinical Immunology and Virology	July 1
NIAID, Allergic Diseases Academic Award	October 1
NIA, Immunology Program--Molecular and Biochemical Program: Research Grants.	July 1
NIAID, Immune Mechanisms and Cutaneous Disorders.	July 1
NIDR, Craniofacial Defects.	July 1
NIA, Function of the Aging Musculoskeletal System, Biophysiology, and Pathobiology Program	July 1
NIA, Social and Behavioral Research on Aging:	
Program Project (Letter of Intent-September 1).	October 1
Postdoctoral Fellowships.	October 1
Special Research Award.	July 1
Senior Fellowship Program	October 1
Clinical Investigator Award	October 1
Research Career Development Award	October 1
Research Grants	July 1
Special Initiative Awards	July 1
Institutional Training Grant.	October 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	July 1

NIGMS, Burn and Trauma Research and Research Training:	
Research Center Grants	October 1
Program Project Grants	October 1
Research Grants	July 1
Research Career Development Awards	October 1
Special Grants for New Investigators	July 1
Individual Postdoctoral Fellowships	October 1
Institutional Postdoctoral Training	October 1
NHLBI, Methods for Quantifying the Size and Evaluating the Function of Ischemic and Infarcted Myocardium	July 1
NICHD, Maternal Smoking and Pregnancy Outcome	July 1
NICHD, Behavioral and Social Science Research in Mental Retardation	July 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	July 1
NINCDS, Clinical Research Centers for Human Chemosensory Studies	July 1
NIDR, Fluoride Research Grants	July 1
NIAMDD, New Investigator Research in Diabetes	July 1
NHLBI/NIAMDD, SERCA-Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NIH, National Service Awards for Senior Fellows	October 1
NHLBI, The Effects of Smoking on the Blood and Cardiovascular and Respiratory Systems	July 1
NEY/NHLBI/NIAID/NIAMDD, NICHD/NIDR/NIEHS/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems	July 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes:	
Research Grants	July 1
Special Emphasis Research Career Award (Annual Deadline)	June 1
Research Career Development Award	October 1
New Investigator Research Award	July 1
Academic Investigator Award	October 1
Clinical Investigator Award	October 1
Individual Postdoctoral Fellowships	October 1
NHLBI, RFA: Specialized Centers of Research in Chronic Obstructive Lung Diseases, Pediatric Pulmonary Diseases, Fibrotic and Immunologic Interstitial Lung Diseases, Pulmonary Vascular Diseases (Letter of Intent by July 1)	September 15
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	July 1
NHLBI, RFA: Specialized Centers of Research on Arteriosclerosis (Letter of Intent by June 16)	September 2
NCI, Smoking, Cancer and Health Program:	
Research Grants	July 1
Program Project Grants	October 1
Individual Postdoctoral Training	October 1
Institutional Postdoctoral Training	October 1
Research Career Development Awards	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, New Investigator Awards	July 1
NIH, Research Career Development Awards	October 1
NIH, Individual Postdoctoral Fellowships	October 1

NIH, Institutional Training Programs October 1

NIOHS, Occupational Cutaneous Hazards and Diseases
(Dermatology Program) July 1

NIOHS, Grants for Research and Demonstrations Relating
to Occupational Safety and Health July 1

NIH, Support of Meetings Open

NIH, NRSA for Short-Term Training of Students in
Health Professional Schools (Annual Deadline) May 1

NIDR/NIA, Geriatric Dentistry Academic Award July 1

NIAID, Pseudomonas Infections in Cystic Fibrosis:
Research Grants July 1
Individual Postdoctoral Fellowships October 1

NHLBI, Preventive Oncology Academic Award (Annual Deadline) April 1

NIAMDD, Diabetes Research and Training Center Grants October 1

NHLBI, Biobehavioral Approaches to the Treatment of
Hypertension (Letter of Intent Required Prior to
Deadline) July 1

NICHD, Developmental Aspects of Behavior and Nutrition July 1

NCI, Experimental Research Related to Mammographic
Screening for Human Breast Cancer July 1

NIA, Cellular Aging Research: Differentiated Cells in
Culture:
Research Grants July 1
Individual Postdoctoral Fellowships October 1
Program Project Grants October 1
Special Research Awards July 1
Clinical Investigator Awards October 1
Research Career Development Grants October 1
Institutional Training Grants October 1

NHLBI, Biobehavioral Approaches to the Treatment of
Hypertension July 1

Fogarty Center, Sr. International Fellowships, 1981-82 October 1

Fogarty Center, Sr. International Fellowships, Special
Fields: Aging, Arthritis, Diabetes, Epilepsy,
Tropical Diseases October 1

NICHD, Clinical Investigator Award October 1

NIAMDD, Liver Diseases Research July 1

NHLBI, Physiological and Pathophysiological Effects
of Mechanical Circulatory Support Devices July 1

NIA, Summary of Active Program Announcements July 1

NIAMDD/NIA, SERCA-Diabetes Mellitus in the Elderly October 1

NCI, Cancer Clinical Treatment Research July 1

NIAID, RFA: Asthma and Allergic Disease Centers
(Letter of Intent-July 15) October 15

NIDR, Specialized Clinical Research Center for
Periodontal Diseases October 1

NIAMDD, New Investigator Research Award in Arthritis,
Bone Diseases and Skin Diseases July 1

NICHD, RFA: Human Infertility June 16

NIOHS, Cooperative Agreement Demonstration to Conduct
a State Occupational Health Surveillance System
(Letter of Intent - June 2) June 16

Alcohol, Drug Abuse, and Mental Health

Research Grants, New. July 1
Research Grants, Renewals October 1
Small Grants Program. Open
National Research Service Awards. October 1
Research on Substance Use July 1
Grant Program in Mental Health Service System Research July 1
Institutional Training Grants October 1

Health Care Financing Administration

Grants for Research and Demonstration October 6

National Center for Health Services Research

Doctoral Dissertation October 15
Research Management Series-Research Priorities. Open

Health Resources Administration

Research Scientist Development/Research Scientist Award October 1

Health Services Administration

Sudden Infant Death Syndrome Program. June 20

Office of Human Development Services

Research and Demonstration Grant Program:

Demographic and Clinical Characteristics of the
Disabled Population June 30
Retention of Rehabilitation Professionals in Rural Areas. June 30
Prenatal Risk Factors/Early Intervention in
Early Childhood (0-3) June 30
Spinal Cord Injury and Dysfunction. June 30
Multiple Sclerosis. June 30
End-Stage Renal Disease June 30
General June 30
Demonstration Projects for Child Abuse and Neglect Programs July 3
Research Projects for Child Abuse and Neglect Program June 18
Service-Improvement Projects for Child Abuse
and Neglect Program June 18

National Institute of Education

Grants for Research on Organizational Processes in

Education:
Final Proposals (Agency Request). August 18
Small Grants. August 18
Unsolicited Proposals June 30

Grants for Research on Knowledge Use and School

Improvement:
Preliminary (Tentative Date). July 31
Full Proposal (Tentative Date - Agency Request) November 18
Small Grant (Tentative Date). July 31

Program of Research Grants on Organizational Processes

in Education; Institutions of Postsecondary Education:
Preliminary October 21
Final (Agency Request). March 25
Small Grant October 21

U.S. Office of Education

Law School Clinical Experience Program (Revised Date)	June 16
Community Education	June 30
Law-Related Education Program	June 27
Community Service and Continuing Education -	
Special Projects (Continuation)	June 23
Bilingual Education Program:	
Training Projects	June 16
Support Services Projects	June 16
Materials Development Projects.	June 16
School of Education Projects.	June 2
Support Services Project, Evaluation, Dissemination, and Assessment Centers.	June 16
Demonstration Projects	June 16
Basic Projects.	June 16
Biomedical Sciences Program	June 25

Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

International Travel Grant Program (Temporarily Out of Funds) --	
Oceanographic Facilities and Support (OFS) - For	
Calendar Year 1981 Operations	July 1
U.S.-Israel Binational Science Foundation Grants -	
Announcement of Awards: March 1981.	July 1
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: January/February 1981) - Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	July 1
Unsolicited Research Proposals (Preliminary) for the Division of Policy Research and Analysis (Proposed Starting Dates: June through August 1981) - Areas of Interest include: Environment, Energy, and Resources; Innovation Processes and their Management; Socio- economic Effects of Science and Technology; Technology Assessment; and Cross-Cutting Topics.	July 1
Science for Citizens (SFC) Forums, Conferences, Work- shops, and Planning Studies - <u>Preliminary Proposals</u> with earliest starting date of March 15, 1981	July 15
Unsolicited Research Proposals for the Materials Research Laboratories (Proposed Starting Dates: January/ February 1981)	July 15
Ethics and Values in Science and Technology (EVIST) - <u>Formal Proposals</u> with the earliest starting date of February 1, 1981	August 1
Public Understanding of Science (PUOS) Program - <u>Formal Proposals</u> with the earliest starting date of February 1, 1981	August 1

Specialized Engineering Research Equipment Grants
(Announcement of Awards: February 1, 1981). August 1

Unsolicited Research Proposals for the Climate Dynamics
Program (Announcement of Awards: February 1, 1981). August 1

Unsolicited Research Proposals for the Human Cell
Biology Program (Proposed Starting Dates: June/July 1981) . . August 15

Unsolicited Research Proposals for the Oceanography
Section, Division of Ocean Sciences (Earliest Starting
Date: January 1, 1981). August 15

Unsolicited Research Proposals for selected programs of
the Division of Social and Economic Science (Proposed
Starting Dates: May/June 1981) - Programs include:
Geography and Regional Science, Law and Social Sciences,
and Sociology August 15

Student Science Training Program (SSTP) August 22

Undergraduate Research Participation (URP) - Announcement
of Awards: January 1981). To be announced

Unsolicited Research Proposals for the Development in
Science Education (DISE) Program - Preliminary
Proposals with proposed starting dates in July/August
1981 - Research Areas include: Science for the Early
Adolescent; Improving Access to Careers in Science for
Women, Minorities, and the Physically Handicapped;
Science Literacy, and Science, Technology, and Society;
New Knowledge and New Skills-Education for Productivity;
and, Technology for Science Education To be announced

Unsolicited Research Proposals for the Research in Science
Education (RISE) Program - Preliminary Proposals with
proposed starting dates in July/August 1981 - Research
areas include: Science Education for the Early
Adolescent; Science for Women, Minorities, and the
Physically Handicapped; Technology in Science Education;
and Cognitive Processes and the Structure of Knowledge. . . To be announced

Arctic Research Program (Announcement of Awards:
January through June 1981). September 2

Ethics and Values in Science and Technology (EVIST) -
Preliminary Proposals with the earliest starting date
of June 1, 1981 September 2

U.S.-Australia Cooperative Science Program (for Long-
Term Visits to start between April 1, 1981 and
September 30, 1981. September 2

U.S.-Japan Cooperative Science Program (for Visits to
begin September 1, 1981 through August 31, 1982). September 2

Unsolicited Research Proposals for the Division of Earth
Sciences (Earliest Starting Dates: June/July 1981) -
Programs include: Geochemistry, Geology, Geophysics,
and Petrology September 2

Unsolicited Research Proposals for selected programs of
the Division of Social and Economic Science (Proposed
Starting Dates: May/June 1981) - Programs include:
Economics, History and Philosophy of Science, Measure-
ment Methods and Data Resources, and Political Science. . . . September 2

Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies - <u>Formal Proposals</u> with the earliest starting date of March 15, 1981.	September 15
U.S.-India Exchange of Scientists (for <u>Visits</u> to commence after March 15, 1981).	September 15
Unsolicited Research Proposals for the Biological Instrumentation Program (Announcement of Awards: June 1981).	September 30
Local Course Improvement (LOCI) Program (Announcement of Awards: mid-May 1981).	To be announced
Pre-College Teacher Development in Science Program.	October 1
Public Understanding of Science (PUOS) Program - <u>Preliminary Proposals</u> with the earliest starting date of June 1, 1981.	October 1
U.S.-Australia Cooperative Science Program (for <u>Seminars</u> with starting dates between July 1, 1981 and December 31, 1981).	October 1
U.S.-New Zealand Cooperative Science Program (for <u>Long-Term Visits</u> with starting dates between June 1, 1981 and November 30, 1981)	October 1

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-0773.

American Heart Association	
Established Investigatorships	July 1
Teaching Scholarship Awards	September 5
Deafness Research Foundation	
Research Grants	July 15
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Grant Foundation	
Grants for Psychological and Social Development of Youth.	September 1
Juvenile Diabetes Foundation	
Fellowships	September 10
Leukemia Society of America, Inc.	September 1
March of Dimes - Birth Defects Foundation	
Clinical Research Grants.	August 1
Starter Research Grants	No Deadline
Social and Behavioral Sciences.	September 1
Minnesota Humanities Commission	July 15 and September 15
Minnesota Medical Foundation.	June 30 and September 30
National Epilepsy Foundation	
Research Grants	August 1
National Multiple Sclerosis Society	
Research Grants (New Information)	No Deadline
Senior Postdoctoral Fellowships	No Deadline

National Foundation for Ileitis and Colitis	
Career Development Awards	August 1
Senior Fellowship Awards.	August 1
Research Grants	August 1
Pharmaceutical Manufacturers Association Foundation	
Faculty Award in Basic Pharmacology	September 15
Research Starter Grants	September 1
Fellowship Program for Advanced Predoctoral Training.	September 15
Runyon-Winchell Cancer Fund	
Fellowships	August 15
Whitney (Helen Hay) Foundation	
Postdoctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Disease	August 15

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