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ORA RDC Newsletter

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ORA ISSUES 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 1979 expenditures for sponsored research and training programs by college and sponsor; and information on proposal and award levels during fiscal years 1978 and 1979 by collegiate unit and source. The report is being distributed to deans and department heads. A limited number of copies are available in ORA and can be obtained by calling 376-7353.

POLICY ON PRINCIPAL INVESTIGATOR ELIGIBILITY ON SPONSORED PROJECTS

The following policy has been developed to provide guidance to departments and collegiate officials in reviewing research and/or training applications to be submitted for sponsored support by academic employees who are either of faculty rank or who hold other academic class titles. It was approved by the University Senate on May 15, 1980 and supersedes the policy approved by the University Senate on February 28, 1974. The policy is being transmitted from the Office of the Vice President for Academic Affairs to deans, directors and department heads. The policy sets forth minimum standards which must be followed by all units of the institution. Units may develop additional or more restrictive standards regarding this matter. However, the minimum standards of this policy must be incorporated into departmental or collegiate policies and procedures. Questions regarding this policy should be directed to the ORA.

SECTION I:

Faculty members who hold regular appointments, as defined in Attachment A, may serve as principal or co-principal investigators on research grants and contracts and other sponsored projects subject to Items 1, 2, and 3 below. Non-regular faculty and other academic employees as defined in Attachment A may serve as principal or co-principal investigators subject to all of the following conditions:

- (1) Responsibility for the approval of all research and training project proposals rests with department heads, deans (or comparable University officer), and the Office of Research Administration. The Office of Research Administration will not forward any application for sponsored support without the approval of the appropriate department head(s) and dean (s). A number of factors may enter into the decision of department heads and deans when approving or disapproving the BA Form 23. Primary among these are the status of the faculty member, the merit of the project, the space available to house

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the project, the proposal's relationship to the mission of the department or college or its compatibility with such mission, and the equipment necessary to conduct or complete the project.

(2) Grants and contracts for sponsored research and training projects are normally awarded to the University of Minnesota, rather than to individual investigators. Should the faculty member, of whatever rank, leave the University prior to the completion of the project, the future of that project shall be governed by the terms of that contract/grant agreement, the wishes of the sponsor, or negotiations between the sponsor, the University, and the principal investigator, as is appropriate in the specific circumstances.

(3) The relationship of academic employees to the University is governed by the appointment document. The approval of academic employees as principal investigators in no way affects the rights, claims, and duties of such persons as may be specified in the tenure code or elsewhere. In particular, responsibilities as principal investigator do not imply any commitment on the part of the University of Minnesota to any subsequent appointment beyond the term of appointment then in effect.

(4) The BA Form 23, "Approval of Application for Sponsored Research or Training Support," must be marked in the place provided to indicate whether the proposed principal investigator is a regular or nonregular academic staff.

(5) The Office of Research Administration will not accept fixed-price specific performance based contracts where the principal investigator is not a regular faculty member, unless the appropriate department head and dean (or comparable University officer) have certified that the project can be completed as required by the contract.

SECTION II:

Individuals holding "student-only" academic appointments such as Teaching Associates, Teaching Assistants, Research Assistants, Project Assistants, Administrative Fellows, Medical Fellows, or Medical Fellow Specialists, may serve as principal investigators on research projects for which the funding agency specified a program for which students are eligible. Application in this category must receive the approval of the department head and dean of the college or school in which the student is registered, who will inform the applicant that his/her position as principal investigator in no way affects his/her status as a student, nor does it commit the University to any future position.

SECTION III:

Appropriate affirmative action/equal opportunity policies and procedures apply to hiring nonregular academic staff on sponsored research and training projects. Regardless of the availability or presumed availability of sponsored support, staff may not be hired independent of appropriate affirmative action policies and procedures.

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ATTACHMENT A

FACULTY RANKS AND OTHER ACADEMIC CLASS TITLES

I. FACULTY RANKS

The faculty ranks are: Professor, Associate Professor, Assistant Professor (including Research Associate), and Instructor (including Research Fellow).

Faculty members hold either "regular" or "nonregular" appointments.

A "regular" appointment is one in which the faculty member has achieved indefinite tenure or is on probationary appointment leading to a decision concerning indefinite tenure.

A "nonregular" appointment does not have tenure nor the right to a decision concerning tenure. Such appointments are for a fixed period of time with specified beginning and ending dates of employment. Subject to annual review and approval, nonregular appointments may be renewed. All appointments which carry the prefix of Visiting, Adjunct, or Clinical before a faculty rank are nonregular.

II. NON-FACULTY RANK ACADEMIC INSTRUCTIONAL OR RESEARCH TITLES

There are four instructional or research titles which are not faculty ranks. They are: Lecturer, Research Specialist, Teaching Specialist, and Hormel Fellow.

Appointments in these titles are restricted to the University's fiscal year. Specified beginning and ending dates of employment must be given. Subject to review and approval, these appointments may be renewed.

III. NON-FACULTY RANK ACADEMIC STAFF TITLES

There are a number of non-faculty rank titles which are collectively called "academic staff" positions. These titles are identified in the annual Budget Index and Account Listing book under the 93XX Academic Administrative and 97XX Miscellaneous Academic class titles. Agricultural Extension Service titles, 96XX series, are also academic staff. Persons may hold an academic staff title without faculty rank. However, regular or nonregular faculty rank may also be held if appropriately accorded by an academic department. Academic staff titles and positions must be distinct and severable from faculty rank.

IV. STUDENT-ONLY ACADEMIC TITLES

These titles may be separated into two groups. All titles are identified by the 95XX class series.

The first group are the seven graduate assistantship titles which require admission to or good standing in a Graduate School degree program or a post-baccalaureate professional degree program. The titles are: Graduate Teaching Assistant, Teaching Associate I and II, Graduate Research Assistant, Project Assistant, and Administrative Fellow I and II.

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The second group of titles are for persons completing training requirements in a professional field who may or may not also be registered students in a Graduate School program or post-baccalaureate professional degree program. These titles include Medical Fellow, Medical Fellow Specialist, Dental Fellow, and Psychology Fellow Specialist.

USE OF FORM HEW 596,
"PROTECTION OF HUMAN SUBJECTS"

This notice is intended to clarify that the submission of form HEW 596, "Protection of Human Subjects" is not required in instances where the applicant has properly checked the "No" box on the application form, indicating that no studies involving human subjects are planned. NIH staff still have the responsibility of resolving instances in which they believe that the "No" box may have been checked inappropriately. The instructions to the revised application form PHS 398 state:

"In studies involving human subjects, or derived materials or data which contain personal identifiers or which can be linked to personal identifiers, are neither planned nor contemplated, check the box marked "No"; the form HEW 596 provided with the application need not then be submitted."

NICHD ISSUES SPECIAL DIRECTIVES
FOR PROGRAM PROJECT APPLICATIONS
SUBMITTED FOR 10/1/80 DEADLINE
AND THEREAFTER

Special directives have been issued by NICHD for investigators submitting applications for Program Project Grants (POI's) which are likely to be assigned to NICHD for support. Copy may be obtained from ORA at 373-5925.

NIAMDD REQUESTS SUBMISSION OF
INTENT LETTERS BY 10/1/80 FOR
INDIVIDUALS PLANNING TO SUBMIT
APPLICATIONS FOR WORKSHOPS AND/
OR CONFERENCES BETWEEN 10/81 -
9/82

NIAMDD has issued a request that individuals planning to submit applications for workshops or conferences, to be held between October 1981 and September 1982, for digestive diseases and nutrition provide a letter of intent on or before October 1, 1980. Complete information may be obtained from ORA at 373-5925.

NIH REVISES APPLICATION FORMS
(398 KITS) FOR NEW, RENEWAL
APPLICATIONS

NIH has recently provided ORA with a supply of the revised application forms (NIH 398, Rev. 10/79) used for new and/or renewal research proposals. The old 398 kits may still be used for the July 1, 1980 deadline. STARTING WITH THE 10/80 AND 11/80 RECEIPT DATES, NIH WILL ACCEPT ONLY THE NEWLY REVISED FORM, PHS 398, WITH GRANT APPLICATIONS.

Applicants for the Research Career Development Award (RCDA) should continue using the existing form (PHS 2557-1) until special instructions are issued for using Form PHS 398. After the instructions become available, Form PHS 398 will also be used for RCDA applications.

NIH ISSUES REVISED POLICY ON
ROLE OF THE PRINCIPAL INVESTI-
GATOR ON RESEARCH PROJECTS
SUPPORTED BY NIH GRANTS

NIH has issued a revised statement on the role of the principal investigator on research projects. The policy states that the single individual identified by the applicant institution as the principal

investigator must be the person who has major responsibility for the scientific and technical direction of the project. Any proposal change of the designated principal investigator must be approved in advance in writing by the NIH awarding unit.

The policy further states that in instances where there are questions concerning the extent of participation or the relationship of the named principal investigator to the project, the application may be deferred by the initial review group and returned to the institution by NIH staff for clarification of such relationship to the project under review. If it is clear that the named principal investigator is not in fact primarily responsible for the scientific and technical direction of the project, the initial review group will make a recommendation for disapproval, or NIH staff will administratively withdraw the application on that basis. The complete policy statement is available from ORA at 373-5925.

NSF - COOPERATION IN SCIENCE
WITH FRANCE

NSF's U.S.-France Cooperative Science Program seeks to foster activities between American and French scientists and insti-

tutions. The cooperating agencies are NSF for America; and the National Center for Scientific Research (CNRS), or any other French agency supporting civilian research, for France. The program consists of four elements: Cooperative Research Projects, Binational Seminars, Exchange of Junior Postdoctoral 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. Deadline for submission of proposals for Cooperative Research Projects and Binational Seminars is May and November 1 of each year. Applications to the Exchange of Junior Postdoctoral Scientists Program may be submitted September 1 to November 1 of each year. 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) 357-7554.

NSF - COOPERATION BETWEEN
SCIENTISTS IN THE U.S. AND
REPUBLIC OF KOREA

The U.S.-Republic of Korea Cooperative Science Agreement is administered in the U.S. by NSF and in Korea Science and Engineering Foundation (KOSEF). Joint

advisory committees composed of U.S. and Korean scientists have recommended that cooperative research activities be developed in areas of biochemical engineering, marine biology, and limited aspects of remote sensing.

Summaries of committee recommendations for future research emphasis are available. Additional information may be obtained from workshop participants (names given with recommendations) or from the program associate, Dr. Maurice Edwards, U.S.-Republic of Korea Cooperative Science Program (202) 357-9539.

NSF - COOPERATION BETWEEN
SCIENTISTS IN U.S. AND TAIWAN

Through the American Institute in Taiwan, NSF supports collaborative scientific research between scientists in the U.S.

and Taiwan. Although all areas of science and engineering are supported under the U.S.-Taiwan Cooperative Science program, joint advisory committees composed of U.S. and Taiwan scientists recommend that cooperative research activities be developed in the following priority areas: fermentation engineering, plant mycoplasma, plant virus diseases, fish diseases, and environmental problems associated with pesticide usage.

Summaries of advisory committee recommendations for future research are available to interested scientists. Additional information may be obtained from individual committee participants, listed with the recommendations, or from the program associate, Dr. Maurice Edwards, U.S.-Taiwan Cooperative Science Program, NSF (202) 357-9537.

NSF - U.S.-INDIA EXCHANGE
OF SCIENTISTS

Applications for international travel support under the U.S.-India Exchange of Scientists program for fiscal year 1981

are now being accepted for travel planned after May 15, 1981. Senior scientists interested in making short-term visits to India to exchange information, consult or collaborate on specific projects with Indian colleagues should apply before September 15, 1980. American participants are selected by NSF with the concurrence of the Indian Council of Scientific and Industrial Research, New Delhi. For further information, request U.S.-India Exchange of Scientists brochure (NSF 78-66) on the Publications Order Form, or contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550.

NSF - TRAVEL TO INDIA
AND PAKISTAN

The following deadlines for travel support to India and Pakistan under special foreign currency have been established: September 1,

1980, for travel between January 1 and March 31, 1981; December 1, 1980 for travel between April 1 and June 30, 1981; March 1, 1981, for travel between July 1 and September 30, 1981; and June 1, 1981, for travel between October 1 and December 31, 1981. For further information, contact Mr. Karl Olsoni, Division of International Programs (202) 357-9550.

NSF - NEW SET OF FIELD CENTERS
FOR CHAUTAUQUA-TYPE SHORT
COURSES

NSF has recently announced a new set of Field Centers at which the Chautauqua-Type Short Courses will be offered during the 1980-81 academic year. The 12 colleges and

universities listed below have received grants for the operation of field centers; approximately 10 courses will be conducted at each center, each attended by up to 25 teacher-participants. The short course program is designed to bring recent advances in scientific knowledge to college instructors so that they may incorporate the material into their undergraduate courses as rapidly as possible.

Eastern Circuit: Hampshire College, Amherst, MA; Polytechnic Institute of NY, Brooklyn, NY; Temple Univ., Philadelphia, PA; Univ. of Georgia, Athens, GA.

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Central Circuit: Christian Brothers College, Memphis, TN; Parkland College, Champaign, IL; Univ. of Iowa, Iowa City, IA; Univ. of Dayton, Dayton, OH.

Western Circuit: Oregon Graduate Center, Beaverton, OR; Santa Ana College, Santa Ana, CA; Univ. of Texas, Austin, TX; Univ. of Utah, Salt Lake City, UT.

A brochure containing dates, course descriptions, names of course directors, and application forms will be published this summer. Requests should be addressed to any of the Field Centers or to: NSF Chautauqua-Type Short Courses, Box B, American Association for the Advancement of Science, 1776 Massachusetts Ave. N.W., Washington, DC 20036.

NSF - TERMINATION OF HUMAN
CELL BIOLOGY PROGRAM

NSF's program in Human Cell Biology has accomplished its purposes, and will end its activities by the close of fiscal year, September 30, 1980. The Division of Physiology, Cellular and Molecular Biology (PCM) is directing its efforts to the development of new program areas.

Individuals currently supported under the Human Cell Biology Program will not be affected. Those investigators planning to submit proposals in the area can still do so. It is recommended that the proposal cover page indicate "PCM" as the NSF organizational unit for consideration. Target dates for submission of proposals in this research area are the same as those of other PCM target dates: July 1 and October 31.

Inquiries may be directed to Dr. Norman Cohn, Section Head for Cellular and Physiological Biosciences, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.

NSF - RESEARCH OPPORTUNITIES
ON MT. ST. HELENS

Special research opportunities associated with the eruption of Mt. St. Helens Volcano have been announced by the NSF. NSF hopes to respond as rapidly as possible to proposals for research associated with the eruption and subsequent events. To be considered for expedited processing, proposals must involve data gathering or experiments on transient phenomena where failure to act in a timely fashion would mean loss of research opportunities; proposals without such time demands should be submitted for processing in normal fashion. Each NSF research directorate will accept new or supplemental proposals in its respective program areas.

Proposals should be short and sent in letter form to the appropriate directorate. Included should be a standard cover sheet, an abstract of work, and standard budget forms. Grants will average \$10,000. For further information contact the ORA at 373-2784.

NSF - TWO-YEAR EXTENSION
FOR SPECIAL CREATIVITY

Two-Year Extensions for Special Creativity is an experimental mechanism that will allow NSF program officer to recommend the

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extension of certain research grants beyond the initial period for which the grant was awarded. The objective of such extensions is to offer the most creative scientists increased opportunity to attack adventurous "high-risk" research questions in the same general scientific area but not necessarily directly related to those pursued under any existing research grant. For further information on policies and procedures to be used in making such extensions, request O/D 79-36 Memorandum.

NSF - PRE-COLLEGE TEACHER
DEVELOPMENT IN SCIENCE PROGRAM

The Pre-College Teacher Development in Science Program is designed for the continuing education of middle and high school teachers (grades 5 through 12) in mathematics and the natural and social sciences.

Deadline for receipt of proposals, usually initiated by colleges and universities, is October 1, 1980.

Two separate award announcements will be made: (1) projects for 1981 summer activities about February 1, 1981, and (2) projects for academic year activities about April 15, 1981.

Guidelines for the preparation of proposals give directions for submission of proposals concerned in whole or in part with teachers of kindergarten through fourth grade. Those proposals for such teachers will be considered for funding at the Department of Education (DHEW), through a newly established program for continuing education in science and mathematics of primary school teachers. Those proposals that bridge the range of kindergarten through grade 4, and grades 5 through 12 will be considered for joint funding between NSF and DHEW. Guidelines (SE 81-27) may be requested by calling Dr. Theodore Reid, Faculty Oriented Programs (202) 282-7795.

OFFICE OF NAVAL RESEARCH:
SELECTED RESEARCH OPPORTUNITIES

In 1979 the Office of Naval Research initiated a new program to provide support for multidisciplinary basic research at universities, entitled "Selected Research Opportunities" (SRO). The SRO program provides management flexibility to university principal investigators by assuring support for up to three years, at funding levels up to \$500,000 per year. Participating of other universities and government or industrial laboratories in these projects is encouraged in order to facilitate transfer of research results to ultimate users. A new increment of SRO is now being initiated. Funding of about \$4 million has been set aside to support new proposals. For further information contact ORA at 373-2088.

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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
Foreign Currency Credit Awards	November 1
NHLBI, Young Investigator Award Research Grant	November 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants	November 1
Individual Postdoctoral Fellowship	October 1
Program Project Grant	October 1
Special Research Award	November 1
Research Career Award	October 1
Institutional Training Grant	October 1
NIA, Biomedical Research and Clinical Medicine	November 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	November 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	November 1
NIAID, Allergic Diseases Academic Award	October 1
NINCDS/NIAID/NIAMDD/NICHD: Research Grants Related to Reye's Syndrome	November 1
NIAID, Immune Mechanisms and Cutaneous Disorders	November 1
NIDR, Craniofacial Defects	November 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	November 1
NIA, Social and Behavioral Research on Aging:	
Program Project (Letter of Intent September 1)	October 1
Postdoctoral Fellowships	October 1
Special Research Award	November 1
Senior Fellowship Program	October 1
Clinical Investigator Award	October 1
Research Career Development Award	October 1
Research Grants	November 1
Special Initiative Awards	November 1
Institutional Training Grant	October 1
DRR, Biotechnology Resources Program	October 1

NIGMS, Burn and Trauma Research and Research Training:	
Research Center Grants	October 1
Program Project Grants	October 1
Research Grants	November 1
Research Career Development Awards	October 1
Special Grants for New Investigators	November 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	November 1
NIAMDD, RFA: Clinical Trial of Fluoride in Osteoporosis (Letter of Intent requested by 8/1/80)	September 15
NICHD, Behavioral and Social Science Research in Mental Retardation	November 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and System Degenerations:	
Program Project Grants	October 1
Research Grant	November 1
NHLBI, Biobehavioral Approaches to the Treatment of Hypertension	November 1
NHLBI/NIAMDD, SERCA-Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NIH, National Service Awards for Senior Fellows	October 1
NIOHS, Research and Demonstration Grants in Reproductive Effects from Occupational Hazards	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIEHS/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes:	
Research Grants	November 1
Special Emphasis Research Career Award (Annual Deadline)	June 1
Research Career Development Award	October 1
New Investigator Research Award	November 1
Academic Investigator Award	October 1
Clinical Investigator Award	October 1
Individual Postdoctoral Fellowships	October 1
NCI, RFA: Correlation Between Microscopic Characteristics of Primary Breast Tumors and Subsequent Patient Survival	October 15
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	November 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	November 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	November 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)	November 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	November 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	November 1
NIAID, Pseudomonas Infections in Cystic Fibrosis: Research Grants	November 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)	November 1
NICHD, Developmental Aspects of Behavior and Nutrition	November 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	November 1
NIA, Cellular Aging Research: Differentiated Cells in Culture: Research Grants	November 1
Individual Postdoctoral Fellowships	October 1
Program Project Grants	October 1
Special Research Awards	November 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	November 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	November 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	November 1
NIA, Summary of Active Program Announcements	November 1
NIAMDD/NIA, SERCA-Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Cancer Clinical Treatment Research	November 1
NIAID, RFA: Asthma and Allergic Disease Centers (Letter of Intent by 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	November 1
NINCDS, Research Grants Related to Movement Disorders: Program Project Grant	October 1
Research Grants	November 1

Alcohol, Drug Abuse, and Mental Health

Research Grants, New	November 1
Research Grants, Renewals	October 1
Small Grants Program	Open
National Research Service Awards	October 1
Research on Substance Use	November 1
Institutional Training Grants	October 1

Health Care Financing Administration

Grants for Research and Demonstration	October 6
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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
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Office of Human Development Services

Long-Term Care Gerontology Centers	July 18
Doctoral Dissertation in the Field of Aging	July 22

Office of the Secretary

Retirement Policy Study	August 15
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Food and Drug Administration

Research Grants, New	November 1
Research Grants, Renewals	October 1

National Institute of Education

Grants for Research on Organizational Processes in Education:	
Final Proposals (Agency Request)	August 18
Small Grants	August 18
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 Grants	October 21

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

National Science Foundation

Ethics and Values in Science and Technology (EVIST) -	
Formal Proposals with earliest starting date of 2/1/81	August 1
Public Understanding of Science (PUOS) Program -	
Formal Proposals with earliest starting date of 2/1/81	August 1
Specialized Engineering Research Equipment Grants	
Announcement of Awards: 2/1/81	November 1
Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: 2/1/81)	August 1

Special Research Initiation Awards for New Investigators in Information Science	August 6
Science for Citizens (SFC) Public Service Science Centers Formal Proposals	August 15
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: 1/1/81) Programs Include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	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 Science, and Sociology	August 15
Science Education Development and Research (Development of Prototypes of Software, Courseware, and Tests)	August 19
Student Science Training Program (SSTP)	August 22
Undergraduate Research Participation (URP) - Announcement of Awards: 1/81	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 earliest starting date of 6/1/81	September 2
U.S.-Australia Cooperative Science Program (for Long-Term Visits to start between 4/1/81 and 9/30/81)	September 2
U.S.-Japan Cooperative Science Program (for Visits to begin 9/1/81 through 8/31/82)	September 2
Unsolicited Research Proposals for the Division of Earth Sciences (Earliest Starting Dates: July/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, Measurement Methods and Data Resources, and Political Science	September 2

Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies - Formal Proposals with Earliest Starting date of 3/15/81	September 15
U.S.-India Exchange of Scientists (for Visits to commence after 3/15/81)	September 15
Unsolicited Research Proposals for the Biological Instru- mentation Program (Announcement of Awards: 6/81)	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 - Preliminary Proposals with earliest starting date of 6/1/81	October 1
U.S.-Australia Cooperative Science Program (for Seminars with starting dates between 7/1/81 and 12/31/81)	October 1
U.S.-New Zealand Cooperative Science Program (for Long- Term Visits with starting dates between 6/1/81 and 11/30/81)	October 1
Unsolicited Research Proposals (Formal) 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; Socioeconomic Effects of Science and Technology; Technology Assessment; and Cross-Cutting Topics	October 1
Unsolicited Research Proposals for the Mathematical Sciences Section (Proposed Starting Dates: June through August 1981) Programs include: Algebra and Number Theory; Applied Mathematics and Statistics; Classical Analysis; Modern Analysis and Probability; Special Projects; and Topology, Geometry, and Foundations	(approximate) October 24
U.S.-Japan Cooperative Science Program (for Seminar dates between 9/1/81 and 8/31/82)	October 31
Unsolicited Research Proposals for the Division of Physi- ology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1981) - Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	October 31
Science Faculty Professional Development. For futher information request brochure SE 81-28B or contact Dr. Michael Frodyma (202) 282-7191	November 3
Comprehensive Assistance to Undergraduate Science Education. For further information request brochure SE 81-30 or contact Dr. Richard West, Division of Science Education Resources Improvement (202) 282-7736.	November 7
Analysis of Science Resources: Personnel, Funding, Impacts and Outputs (NSF 80-19 revised). For further infor- mation, contact Division of Science Resources Studies: Mr. Morris Cobern, Personnel (202) 634-4655. Mr. Norman Friedman, Funding (202) 634-4625. Dr. Donald Buzzelli, Impacts and Outputs (202) 634-4682	November 14

PRIVATE

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

American Cancer Society	
Fellowship and Scholar Applications	October 1
Research Grants	November 1
American Council of Learned Societies	
Fellowships	September 30
Study Fellowships	November 15
Chinese Programs	November 3
American Diabetes Association	
Young Investigator Award	To be announced
American Heart Association	
Teaching Scholarship Awards	September 5
Grants-in-Aid	October 1
American Heart Association - Minnesota Affiliate	
Fellowships (postmark deadline)	November 15
Grants-in-Aid (postmark deadline)	(please note: weekend dates) November 30
American Lung Association	
Fellowships	October 1
Eastman Kodak Charitable Trust (letter inquiries)	
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Grant Foundation	
Grants for Psychological and Social Development of Youth	September 1
Hammer (Armand) Foundation (letter inquiries)	
Juvenile Diabetes Foundation	
Fellowships	September 1
Leukemia Society of America, Inc.	September 1
Macy (Josiah, Jr.) Foundation	
Medical School Sabbatical Support	October 1
March of Dimes-Birth Defects Foundation	
Social and Behavioral Sciences	September 1
Basic Research	October 1
Minnesota Humanities Commission	September 15 & November 15
Minnesota Medical Foundation	September 30
National Fund for Medical Education	
Grants	October 1
Fellowships	November 1
National Kidney Foundation	
Research Fellowships	October 1
Noyes (Jessie Smith) Foundation	
Areas of environment, education, health (letter inquiries)	November 1
Orthopaedic Research and Education Foundation	
Research Grants	October 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
Faculty Award in Clinical Pharmacology	October 1
Fellowships in Clinical Pharmacology	October 1
Runyon-Winchell Cancer Fund	
Fellowships	August 15
Whitney (Helen Hay) Foundation	
Postdoctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Diseases	August 15

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ORA RDC Newsletter

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

August 1980

Volume X/No.2

NEW INDIRECT COST RATES

The indirect cost Negotiated Agreement for FY 1981 has recently been signed.

The date of the agreement is June 23, 1980. The new rates are as follows:

	On-Campus		Off-Campus	
	Research	Training	Research	Training
All U of M Campuses*	55.0%	68.0%	26.2%	23.4%
St. Anthony Falls Hydraulic Lab	85.0%	N.A.	N.A.	N.A.
Hormel Institute	55.4%	N.A.	N.A.	N.A.

The above rates are effective July 1, 1980. Proposal budgets must reflect these revised rates. For details of these requirements, please contact the appropriate grant administrator in the Office of Research Administration.

*Please Note: The University of Minnesota has negotiated a single indirect cost rate for all campuses. This has been necessary to provide stability to fluctuating indirect cost rates associated with the coordinate campuses and several other separate units. The single rate will eliminate some confusion which existed when numerous rates were utilized.

FRINGE BENEFIT RATES

The fringe benefit rates for the period July 1 through December 31, 1980, will

remain the same as for the pervious period (academic: 19.3639%; civil service: 19.1681%). Development of new rates will be on a calendar year basis, to be reviewed at the end of the fiscal year and adjusted only if necessary. This change will result in fewer adjustments to the rate schedule because costs and salary increases are more easily determined at this time and F.I.C.A. is done on a calendar year basis. Estimated rates to be used for budgeting for both academic and civil service are as follows: after 12/31/80: 20.0%; after 12/31/81: 21.0%.

NEW ASSISTANT DIRECTOR IN ORA

Ms. Mary Lou Weiss, Principal Grant Administrator, has been appointed Assistant Director in the Office of

Research Administration. Ms. Weiss has considerable experience in the area of grant/contract administration, particularly with projects funded through the Departments of Health and Human Services, and Education (formerly DHEW). Her immediate staff consists of Todd Morrison and Susan Stensland. Please feel free to contact Ms. Weiss or her staff for assistance in these areas.

NSF-SEPTEMBER 2 TARGET DATE
FOR EARTH SCIENCE PROPOSALS

Earliest Starting Dates: June/July 1981.

Program

Scope and Objectives

Geochemistry

Studies of aqueous geochemistry, trace and minor element geochemistry, and subfields. (Contact: Alan M. Gaines, Program Director, 202-357-7498)

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, 202-357-7915 or Thomas O. Wright, Program Associate, 202-357-7915)

Geophysics

Physical state and properties of the Earth; subfields including seismology, gravity, geodesy, rock magnetism, terrestrial currents, heat flow, and high pressure phenomena. (Contact: Roy E. Hanson, Program Director, 202-357-7916 or Leonard E. Johnson, Associate Program Director, 202-357-7721)

Petrology

Studies of igneous, metamorphic, and low-temperature petrology; field-oriented studies in economic geochemistry, geochronology, and stable isotopes. (Contact: John S. Dickey, Program Director, 202-357-7911)

NSF-SEPTEMBER 2 TARGET DATE
FOR SELECTED SOCIAL AND
ECONOMIC SCIENCE PROGRAMS

Proposed Starting Dates: May/June 1981.

Program

Scope and Objectives

Economics

Microanalysis of economic aggregates, including national income, the price level, and employment; forces determining the time path of the economy in response to various stimuli; determinants and consequences of market structure; interaction of fiscal and monetary variables in open economies, particularly as these pertain to problems of inflation and unemployment; economic study of renewable and nonrenewable resources; non-market decisionmaking; economic history and development; international economies; techniques of quantitative analysis; empirical validation and assessment of different types of economic models. (Contact: James H. Blackman, Program Director, 202-357-9674 or Robert F. Halvorsen, Associate Program Director, 202-357-9675)

History and
Philosophy
of Science

The nature and processes of development of science and technology; the interaction between science and technology; the impact of science and technology on society; the interactions

(continued)

of social and intellectual forces that promote or retard the advance of science; differences in the natural of theory and evidence in different scientific fields. (Contact: Ronald Overmann, Associate Program Director, 202-357-7617)

Measurement
Methods and
Data Resources

Survey operations research; improvements in the utility and accessibility of social science data generated by the Federal Statistical System; development and testing of new social indicators; methods and models for the quantitative analysis of social statistical data. (Contact: Murry Aborn, Program Director, 202-357-7913)

Political
Science

Local, national, and international governmental institutions; the effects of structural factors on political participation and effectiveness; the impact of economic and social change on political processes; factors influencing bureaucratic decisionmaking and policy formulation; processes of conflict and political instability. (Contact: Gerald C. Wright, Program Director, 202-357-9406)

NSF-SEPTEMBER 2 DEADLINE FOR
EVIST PRELIMINARY PROPOSALS

Formal Proposals Due: December 1, 1980
(Earliest Starting Date: June 1, 1981)

The Ethics and Values in Science and Technology (EVIST) Program is concerned with the ethical rules and social standards that govern the conduct of scientific and technological activities, including the selection of research priorities and the application of research results. Highest priority is assigned to projects that deal with issues of demonstrable importance to nonspecialists in science and ethics and that include a well-developed plan for disseminating their results to as broad a range of concerned individuals and groups as possible. EVIST projects may be carried out by several types of activities, including: disciplinary and multidisciplinary research (including case studies), workshops of national scope, conferences and workshops, projects of national scope, colloquia, and projects which lay a foundation for significant future work related to EVIST activities. Complete guidelines for the submission of both the preliminary and formal proposal are found in program brochure SE 80-62. For further information, contact:

Arthur L. Norberg, Program Manager
Ethics and Values in Science and Technology
Office of Science and Society
National Science Foundation
Washington, DC 20550

or call: 202-282-7770

NSF-PROPOSALS FOR LONG-TERM
VISITS UNDER U.S.-AUSTRALIA
PROGRAM DUE SEPTEMBER 2

For Visits to start between April 1,
1981 and September 30, 1981.

Scientists interested in engaging in cooperative research projects in Australia must submit a proposal to NSF for support of a long-term visit (6-12 months) by September 2, 1980. Support

(continued)

is generally limited to senior scientists with a well-established reputation. Applicants may receive a partial stipend (up to \$1,500 per month), international travel for the scientist and accompanying dependants, other travel expenses, and a fixed sum (\$200) in lieu of indirect costs.

Alan Milsap, Program Manager
U.S.-Australia Cooperative Science Program
Division of International Programs
National Science Foundation
Washington, DC 20550

or call: 202-357-9558

NSF-SEPTEMBER 2 ANNUAL
DEADLINE FOR LONG-TERM
VISITS UNDER U.S.-JAPAN
COOPERATIVE SCIENCE PROGRAM

For Visits between September 1, 1981 and
August 31, 1982.

The Visiting Scientists Section of the
U.S.-Japan Cooperative Science Program

enables U.S. scientists to visit Japan, for 6-12 months, to conduct research in collaboration with Japanese scientists at a research center or laboratory that provides unique opportunities for the U.S. investigator. Support includes up to \$16,000 in salary, fringe benefits, housing allowance, school allowance for the investigator's children, international travel for investigator and accompanying dependents (up to \$5,000), excess baggage allowance, shipment of supplies and equipment, internal travel within Japan, and a fixed sum of \$200 for the visiting investigator's home institution in lieu of indirect costs.

Stephen Mosier, Program Manager
U.S.-Japan Cooperative Science Program
Division of International Programs
National Science Foundation
Washington, DC 20550

or call 202-357-9537

NSF-SEPTEMBER 2 DUE DATE FOR
THE SCIENCE IN DEVELOPING
COUNTRIES (SDC) PROGRAM

September 2, 1980 has been established
as the next deadline for proposals sub-
mitted for the Science in Developing
Countries (SDC) Program [formerly the

Scientists and Engineers in Economic Development (SEED) Program]. Projects in low- and middle-income developing countries of Africa, Asia, and Latin America (including Caribbean) will be considered for support. Three categories of support are available: research participation grants, conference (seminars, workshops, and colloquia) grants, and dissertation improvement grants.

Gordon L. Hiebert, Program Director
Science in Developing Countries Program
Division of International Programs
National Science Foundation
Washington, DC 20550

or call: 202-357-9700

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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
Foreign Currency Credit Awards	November 1
NHLBI, Young Investigator Award Research Grant	November 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants	November 1
Individual Postdoctoral Fellowship	October 1
Program Project Grant	October 1
Special Research Award	November 1
Research Career Award	October 1
Institutional Training Grant	October 1
NIA, Biomedical Research and Clinical Medicine	November 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	November 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	November 1
NIAID, Allergic Diseases Academic Award	October 1
NINCDs/NIAID/NIAMDD/NICHD, Research Grants Related to Reye's Syndrome	November 1
NIAID, Immune Mechanisms and Cutaneous Disorders	November 1
NIDR, Craniofacial Defects	November 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	November 1
NIA, Social and Behavioral Research on Aging:	
Program Project (Letter of Intent-September 1)	October 1
Postdoctoral Fellowships	October 1
Special Research Award	November 1
Senior Fellowship Program	October 1
Clinical Investigator Award	October 1
Research Career Development Award	October 1
Research Grants	November 1
Special Initiative Awards	November 1
Institutional Training Grant	October 1
DRR, Biotechnology Resources Program	October 1

NIGMS, Burn and Trauma Research and Research Training;	
Research Center Grants	October 1
Program Project Grants	October 1
Research Grants	November 1
Research Career Development Awards	October 1
Special Grants for New Investigators	November 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	November 1
NIAMDD, RFA: Clinical Trial of Fluoride in Osteoporosis (Letter of Intent Requested by 8/1/80)	September 15
NICHD, Behavioral and Social Science Research in Mental Retardation	November 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and System Degenerations:	
Program Project Grants	October 1
Research Grant	November 1
NHLBI, Biobehavioral Approaches to the Treatment of Hypertension	November 1
NHLBI/NIAMDD, SERCA-Diabetes Mellitus-Cariorvascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NIH, National Service Awards for Senior Fellows	October 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIEHS/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes:	
Research Grants	November 1
Special Emphasis Research Career Award (Annual Deadline)	June 1
Research Career Development Award	October 1
New Investigator Research Award	November 1
Academic Investigator Award	October 1
Clinical Investigator Award	October 1
Individual Postdoctoral Fellowships	October 1
NCI, RFA: Correlation Between Microscopic Characteristics of Primary Breast Tumors and Subsequent Patient Survival	October 15
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	November 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	November 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	November 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)	November 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	November 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	November 1
NIAID, Pseudomonas Infections in Cystic Fibrosis: Research Grants	November 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)	November 1
NICHD, Developmental Aspects of Behavior and Nutrition	November 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	November 1
NIA, Cellular Aging Research: Differentiated Cells in Culture: Research Grants	November 1
Individual Postdoctoral Fellowships	October 1
Program Project Grants	October 1
Special Research Awards	November 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	November 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	November 1
NILBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	November 1
NIA, Summary of Active Program Announcements	November 1
NIAMDD/NIA, SERCA-Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Cancer Clinical Treatment Research	November 1
NIAID, RFA: Asthma and Allergic Disease Centers (Letter of Intent by 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	November 1
NCI, Cancer Centers Support Grant Program	October 1

NINCDS, Research Grants Related to Movement Disorders:	
Program Project Grant	October 1
Research Grants	November 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
Small Grants Program	Open
National Research Service Awards	October 1
Research on Substance Use	November 1
Institutional Training Grants	October 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	October 6
<u>National Center for Health Services Research</u>	
Doctoral Dissertation	October 15
Research Management Series-Research Priorities	Open
<u>Health Resources Administration</u>	
Research Scientist Development/Research Scientist Award	October 1
<u>Office of the Secretary</u>	
Retirement Policy Study	August 15
<u>Food and Drug Administration</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
<u>National Institute of Education</u>	
Grants for Research on Organizational Processes in Education:	
Final Proposals (Agency Request)	August 18
Small Grants	August 18
Grants for Research on Knowledge Use and School Improvement:	
Preliminary (Tentative Date)	December 17
Full Proposal (Tentative Date-Agency Request)	November 18
Small Grant (Tentative Date)	December 17
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
Program of Research Grants on Law and Government Studies in Education:	
Preliminary	September 16
Final (Agency Request)	March 3
Small Grant	September 16
Questions regarding the Following deadlines should be referred to ORA at 373-2784.	
<u>National Science Foundation</u>	
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
Science in Developing Countries (SDC)	September 2
Special Foreign Currency Program (SFC) - For travel to India and Pakistan between January 1, 1981 and March 31, 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, Measurement Methods and Data Resources, and Political Science	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
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 - Preliminary Proposals with the earliest starting date of June 1, 1981	October 1
U.S.-Australia Cooperative Science Program (for Seminars with starting dates between July 1, 1981 and December 31, 1981)	October 1

U.S.-New Zealand Cooperative Science Program (for Long-Term Visits with starting dates between June 1, 1981 and November 30, 1981)	October 1
Unsolicited Research Proposals (FORMAL) 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; Socioeconomic Effects of Science and Technology, Technology Assessment; and Cross-Cutting Topics	October 1
Unsolicited Research Proposals for the Mathematical Sciences Section (Proposed Starting Dates: June through August 1981) - Programs include: Algebra and Number Theory; Applied Mathematics and Statistics; Classical Analysis, Modern Analysis and Probability; Special Projects; and, Topology, Geometry, and Foundations	(approximate) October 24
U.S.-Japan Cooperative Science Program (for Seminar dates between September 1, 1981 and August 31, 1982)	October 31
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1981) - Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	October 31
Physically Handicapped in Science (PHIS) Program	To be announced
Resource Centers for Science and Engineering (RCSE) Program	To be announced
Student-Originated Studies (SOS)	To be announced
E. D. Bergmann Memorial Research Grant (U.S.-Israel Binational Science Foundation) - Award announced in April 1981	November 3
NATO Postdoctoral Fellowships in Science	November 3
Postdoctoral Fellowships in Science	November 3
Science Faculty Professional Development Program	November 3
U.S.-France Cooperative Science Program	November 3
U.S.-France Exchange of Scientists	November 3
U.S.-Latin America Cooperative Science Program (Proposed Starting Date: July 1, 1981)	November 3

PRIVATE

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

American Cancer Society	
Fellowship and Scholar Applications	October 1
Research Grants	November 1
American Council of Learned Societies	
Fellowships	September 30
Study Fellowships	November 15
Chinese Programs	November 3
East European Studies	December 1
Grants-in Aid	December 15
American Heart Association	
Grants-in-Aid	October 1

American Heart Association - Minnesota Affiliate	
Fellowships (postmark deadline)	November 15
Grants-in-Aid (postmark deadline) (please note: weekend dates)	November 30
American Legion Child Welfare Foundation, Inc.	December 31, 1980 through March 31, 1981
American Lung Association	
Fellowships	October 1
Research Grants	December 1
Engineering Foundation	
Pre-proposals	Anytime
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Macy (Josiah, Jr.) Foundation	
Medical School Sabbatical Support	October 1
March of Dimes-Birth Defects Foundation	
Basic Research	October 1
Minnesota Humanities Commission	September 15
	November 15
	September 30
	December 31
Minnesota Medical Foundation	
	September 30
	December 31
National Fund for Medical Education	
Grants	October 1
Fellowships	November 1
Mini-grants in Cost-Containment Education	October 1
National Kidney Foundation	
Research Fellowships	October 1
National Multiple Sclerosis Society	
Research Grants	Anytime
Postdoctoral Fellowships (by January 15 for July Award)	Anytime
Senior Postdoctoral Fellowships	Anytime
Junior Faculty Awards (by January 15 for July Award)	Anytime
Noyes (Jessie Smith) Foundation	
Areas of environment, education, health (letter inquiries)	November 1
Orthopaedic Research and Education Foundation	
Research Grants	October 1
Pharmaceutical Manufacturers Association Foundation	
Fellowship Program for Advanced Predoctoral Training	September 15
Faculty Award in Clinical Pharmacology	October 1
Fellowships in Clinical Pharmacology	October 1
Runyon-Winchell Cancer Fund	
Fellowships	December 15
Technicon Instrument Corporation	
Preliminary proposals	Anytime
Final proposals upon request	December 14

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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

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ORARDC Newsletter

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September 1980

Volume X/No. 3

PRINCIPAL INVESTIGATOR'S MANUAL IS NOW AVAILABLE

A new guide to University and agency research policies and procedures, Sponsored Project Management, has now

been received from the printer and is in the process of distribution. Copies are being mailed to deans, directors, and department heads, to all faculty who have current sponsored project awards or pending proposals, and to the administrators of those departments and centers with sponsored project activity.

The manual has been prepared for insertion into a standard three-ring binder. Because this newsletter frequently alerts the University community to new rates and research policies, we suggest that important announcements from the newsletter and recent issues might be kept together with the manual.

Additional copies of the new manual are available from the Office of Research Administration at 376-7614.

FEDERAL ACCOUNTABILITY CONCERNS

The following memorandum was recently distributed by the Office of Research

Administration to Provosts, Deans, Directors, Department Heads, and Principal Investigators.

Accountability problems encountered by universities conducting research under federal sponsorship continue to be the subject of controversy. Faculty and administration concerns regarding stringent accountability have been expressed to the federal agencies, to Congress, and to educational associations representing universities. This memorandum is written to provide background and information about current problems with the federal government, the efforts by various groups to improve our relationship with the government, and the changes we must make in order to comply with the terms and conditions of contracts and grants and to withstand rigorous audit scrutiny.

As many of you know, the federal government first required a more precise accounting for salaries charged to projects, and other administrative measures in 1965. The University of Minnesota adopted procedures to comply with these requirements. Auditors, although they expressed only casual interest in faculty effort, confirmed the acceptability of University procedures. Within a few years, however, the effort reporting system fell victim to extraordinary paperwork and a feeling by faculty that reports were an inaccurate reflection of the many functions of an academic staff member. At about the same time, in the early 1970's, federal auditors began to question salary documentation at several major universities and new rules were established by the government.

In 1976 the University of Minnesota received an adverse audit report which cited the University for failure to maintain adequate documentation for salaries charged to projects, and for transferring costs among projects without proper documentation. Costs were questioned in the amount of \$28,000,000. After months of negotiation this audit dispute was settled when the University agreed to pay back \$400,000 and improve and maintain procedures required by Office of Management and Budget document A-21, "Cost Principles for Educational Institutions." The current institutional effort reporting system, adopted in March 1976, and the cost transfer policy issued in December 1975 are primarily a result of those negotiations. University administration, recognizing that these requirements would overburden staff, provided additional funds to departments in order to meet staffing needs. Happily, subsequent audits have been without disallowance as a result of procedures established and the full cooperation from academic and civil service staff.

Although the University of Minnesota has taken steps to meet federally mandated regulations, many universities continue to receive adverse audit reports. As a result, Circular A-21, mentioned above, has been revised to require even stricter accountability. As new provisions were written, groups such as the Association of American Universities, the National Association of State Universities and Land-Grant Colleges, and the National Association of College and University Business Officers' Council on Governmental Relations, met with government representatives in an effort to influence the final regulations so that universities could comply with as little disruption to systems and burden to staff as possible. Several revisions to the government's initial proposals were made as a result, and the new requirements have been issued. We do not agree with these rules in their entirety but we nevertheless must comply.

Because the University of Minnesota earlier developed new, comprehensive grant administering systems, changes now will be manageable. During the past several months the Office of Research Administration has worked closely with the individuals who have initiated the new requirements, with the Department of Health and Human Services Audit Agency, who will enforce them, and with faculty and staff, who must comply with them.

The most significant change deals with the reporting of faculty effort. The new requirements no longer permit the use of an annual survey to obtain data for department or general administration effort devoted by faculty. This information must now be incorporated into the current monthly effort report. Careful documentation of administrative effort is necessary because the cost of such effort is recovered through indirect costs. A committee with representatives from departments and colleges engaged in research was established to review these requirements and develop procedures. In April, representatives of the government were invited to meet with various faculty, deans, research officers, central administrators, and collegiate and departmental administrative staff. Our final proposal has been reviewed informally by the federal government and we are confident the procedures will be approved. New procedures for effort reporting are planned to be implemented by January 1, 1981. Detailed instructions will be issued to all individuals engaged in sponsored projects. We will also meet with as many colleges and departments as possible to provide guidance and answer questions regarding these new procedures.

Another new requirement affects our acquisition of equipment. The federal government now insists that institutions provide documentation that equipment requested in proposals, and subsequently acquired, be screened to prevent duplicate purchases. Several institutions have developed elaborate screening procedures, which are costly and burdensome. We do not believe such a system would be productive or necessary at the University of Minnesota. Nevertheless, some screening must take place prior to the acquisition of research equipment. A simple measure, which we believe acceptable to the government, would be to include on requisitions a certification that equipment requested is not already available for use on the project. Government officials have told us that institutional review of each equipment procurement is not always practical or necessary, but that there should be reviews (depending on the nature and cost of the equipment) made on more than a department basis. For example, equipment purchases under \$5,000 might be reviewed on a department basis; those up to \$10,000 on a collegiate basis; and those in excess of \$10,000 on an institutional basis. Researchers do not always know of equipment available in other departments. Thus, some equipment inventory system will likely have to be developed. Although we have not yet given this requirement attention, it will be necessary to develop procedures to comply with these federal regulations. Your suggestions and concerns are solicited and will be helpful in developing these procedures.

A third revision requires educational institutions to express indirect cost rates as a percentage of total direct costs. As you know, the University of Minnesota currently expresses its rate as a percentage of salaries and wages. This change will most likely be placed into effect for the University of Minnesota on July 1, 1981, but not later than July 1, 1982. While the recovery of indirect costs will be unchanged, individual projects might be affected (e.g., projects which are heavily budgeted for salaries will generally result in lower total indirect costs charged; projects which are more evenly balanced between salaries and other direct costs, or have larger other direct costs, will have increased total indirect cost charges). This change may create problems for certain principal investigators and departments. Accordingly, implementation of this change will be gradual. It is our thinking now that the conversion will be accomplished only as projects are renewed. Prior to adopting this change, we hope to have considerable discussion with faculty and departments that will be most affected by this measure.

The indirect cost revisions also dictate that specialized service centers, such as computer centers, animal facilities, machine shops, etc., re-charge total costs to users. This means that indirect costs associated with service centers, such as space, administrative expenses and equipment, will be included in the rate of the facility and passed on to projects

as direct costs. These costs are now spread across the entire University and recovered through the main indirect cost rate. We are very concerned about this requirement because it will, in many instances, greatly increase direct costs of these centers to research projects. We are currently examining service centers to determine those which will fall under this requirement and we are considering alternatives to comply and yet not materially affect either the indirect cost recovery for the service center and the institution, nor affect the direct charge to individual research projects.

We must implement these rules to prevent audit disallowances and the possible withholding of grant funds. Federal auditors have already begun to look into the areas covered by the new A-21 revisions. Hopefully, most changes will be accomplished without significant new burdens on our academic and civil service staff. The steps that will be taken are those required to meet the terms and conditions set forth by the government.

As most of you know, the relationship between the federal government and higher education has deteriorated in the past several years, in large part because of the accountability differences. These issues continue to be the subject of controversy and have been reported at some length in publications such as the Chronicle of Higher Education and Science. Several professional organizations and individuals are working to rectify this situation and we are optimistic that they will meet with some success. There is a distrust by auditors and other federal administrators of universities. A significant portion of this distrust stems from the belief that universities do not properly document charges to federal funds. As higher education improves its accountability, the relationship will improve. We are hopeful that the National Commission on Research, which was established to review this deteriorated relationship and has issued a report to the government, will have beneficial results. There are also several members of Congress who have begun to question some of the government's actions, and this too might prove helpful.

I would appreciate receiving your questions, comments or concerns regarding these new developments so they may be considered prior to final implementation of any new procedures.

NATIONAL INSTITUTE OF JUSTICE -
CRIME CONTROL THEORY: COMPETITIVE
RESEARCH PROGRAM

The National Institute of Justice announces continuation of a competitive research program on crime control theory to support research aimed at improving

our understanding of how the exercise of the sanctioning powers of the criminal justice system acts to control crime in our society.

Proposals must be postmarked by November 1, 1980. Copies of the solicitation can be obtained by writing to: Program Solicitation Office, National Criminal Justice Reference Service, Box 6000, Rockville, MD 20850.

NATIONAL INSTITUTE OF JUSTICE -
COMPETITIVE RESEARCH PROGRAM ON
METHODOLOGICAL ISSUES IN
CRIMINAL JUSTICE RESEARCH AND
EVALUATION

The National Institute of Justice announces continuation of a competitive research program on methodological issues in criminal justice research and evaluation.

Proposals must be postmarked by November 1, 1980; the closing date for the second cycle is May 1, 1981. Copies of the solicitation can be obtained by writing to: Program Solicitation Office, National Criminal Justice Reference Service, Box 6000, Rockville, MD 20850.

DEPARTMENT OF ENERGY-SOLAR
THERMAL ENERGY SYSTEMS

This program awards special research contracts for solicited and unsolicited proposals supporting the following disciplines: Physics, Electrical Engineering, Heat Transfer Mechanics, Chemistry, Mechanical Engineering. The primary objective is to develop in cooperation with

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industry a sound technological and industrial base on which a solar thermal power industry can be founded. Unsolicited proposals may be reviewed at any time. The program issues open ended research solicitations using the Program Research and Development Announcements, in which closing dates and other deadlines are carried. Program officers encourage the submission of unsolicited proposals. They emphasize that it would be to the advantage of the proposer to discuss the planned research program with them before completing the proposal. Researchers with questions or ideas should contact Mr. Gerald W. Braun, Director, Solar Thermal Energy Systems Program, Mail Station 404, CS-68, U.S. Department of Energy, Washington, D.C. 20545 (202) 376-1934.

DEPARTMENT OF ENERGY-
APPLIED PLASMA PHYSICS

Most awards are Special Research contracts which are issued to universities and other research groups for support of DOE projects of less than \$1 million per year. Disciplines supported include the following: Nuclear Engineering, Fusion Engineering, Applied Mathematics, Applied Advanced Nuclear Physics. The broad objectives of the Magnetic Fusion Energy program, of which Applied Plasma Physics is one part, is to develop the technology for safe, economic and environmentally acceptable uses of fusion power for the generation of electricity. A secondary goal is to develop and evaluate other applications of the fusion process including the production of fissile material, synthetic fuels and industrial process heat. Though on rare occasions, an RFP is issued through the Commerce Business Daily, almost all awards are for unsolicited proposals. These may be submitted at any time of the year. However, it is advantageous to have them in at the beginning of the fiscal year. For further information, contact Dr. James Decker, Director, Applied Plasma Physics Division, Department of Energy, Washington, D.C. 20545 (301) 353-4596.

DEPARTMENT OF ENERGY-
UNIVERSITY RESEARCH SUPPORT

This program issues both grants and contracts. All proposals are unsolicited. The program is designed to support multidisciplinary projects. Disciplines included are: Physics, Chemistry, Engineering, Biology, Economics, Mathematics. The University Research Support program administers several special purpose university support programs that cut across DOE program areas and the disciplinary or departmental structures of universities themselves. In any fiscal year, between 30 and 50 percent of the funds are available for new projects. The program is particularly interested in funding projects from schools not currently involved in the program. Unsolicited proposals may be received at any time during the year. For further information, contact Dr. Richard Stephens, Director, Division of Institutional Programs -- DOE, 1000 Independence Ave., Washington, D.C. 20585 (202) 252-6833.

DEPARTMENT OF ENERGY-
DEVELOPMENT AND TECHNOLOGY

Awards range from single source multi-year contracts for running National Laboratory programs to Special Research contracts which are issued to universities and other research groups for DOE projects totalling less than \$1 million a year. Almost all awards are for unsolicited proposals. Disciplines supported include: Metallurgy, Fusion Physics, Reactor Engineering, Environmental Engineering, Vacuum System Technology, Environmental

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Engineering, Super-conducting Magnet Technology. The broad objectives of the Magnetic Fusion Energy Program, of which Development and Technology is one part, are described in the preceding article entitled "DOE-Applied Plasma Physics." The specific objectives of the Development and Technology Division are to provide technological support for experiments in the Tokamak and Mirror Confinement systems program and to design future power plant systems. Proposals are accepted at any time during the year. However, funding opportunities are best for proposals submitted early in the fiscal year. For further information, contact Dr. Franklin Coffman, Director, Development and Technology Division, Mail Stop G-234, Department of Energy, Washington, D.C. 20545 (301) 353-5378.

DEPARTMENT OF ENERGY-
ADVANCED ENERGY PROJECTS

Most awards are Special Research contracts which are issued to universities and other research groups for support of DOE projects of less than \$1 million a year. The program supports only unsolicited proposals. However, it does support conferences and seminars in which research priorities are discussed. Notices of these meetings appear in the Federal Register or the Commerce Business Daily. Disciplines supported include: Applied Mathematics, Electrical Engineering, Analytical Studies, Nuclear Engineering, Mechanical Engineering, Advanced Chemistry, High Energy Physics. The objective of this program is to support exploratory research on new energy-related concepts that require proof of scientific feasibility, and, where appropriate, an indication of economic viability. Most projects in this program are funded for a three year period. Therefore, roughly one-third of the funds in any fiscal year are available for new projects. Proposals are accepted at any time during the year. Informal inquiries are encouraged and should be directed to Dr. R. Gajewski, Director, Advanced Energy Projects Division, Mail Stop J-309, Department of Energy, Washington, D.C. 20545 (301) 353-5995.

DEPARTMENT OF ENERGY-
NUCLEAR SCIENCES RESEARCH

Most awards are Special Research contracts which are issued to universities and other research groups for support of DOE projects of less than \$1 million per year. Disciplines supported include: Nuclear Science, Chemistry, Laser Studies, Physics, Statistics. The objectives of the program are to make significant contributions to an improved understanding of basic nuclear phenomena. The program is designed to accumulate new and more accurate data of importance to the fission, fusion, biomedical, and environmental programs. Proposals are accepted at any time of the year. Informal inquiries concerning the appropriateness of a proposal for this particular program are encouraged, and should be directed to Dr. Enloe Ritter, Division Director, Nuclear Energy Division, Mail Stop J309, Department of Energy, Washington, D.C. 20545 (301) 353-3613.

DEPARTMENT OF ENERGY-
NUCLEAR PHYSICS RESEARCH

Unsolicited proposals are the primary source of awards supporting the following disciplines: Nuclear Physics, Nuclear Chemistry. DOE's Nuclear Physics program is the major Federal research effort concerned with advanced experimental and theoretical studies of the interactions, structure, and other fundamental characteristics of nuclei. FY 80 and 81

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research priorities include: (1) Investigation of the fundamental nucleon-nucleon interaction; (2) Polarized beam-polarized target experiments; (3) Maintenance of proton beam capability for user group's research at the FY 79 level; (4) Study of nuclear reaction dynamics and nuclear structure through the use of accelerated heavy ions; (5) Research on the manner in which a massive new projectile and target nucleus can merge to form a new, highly excited nuclear species; (6) The production of new isotopes and new elements at the very limits of nuclear stability; (7) Research designed to reveal detailed aspects of nuclear structure through high precision experiments using heavy ions of carefully controlled energy; (8) Formulations of new theoretical concepts which show shock-wave-like phenomena; (9) Computing the effects of a grazing nuclear collision when there are many available reaction routes; (10) Use of the nucleus to understand the universal weak reaction. Proposals may be submitted at any time during the year. Proposals are reviewed in June, August, and November. Informal inquiries are encouraged and should be directed to Dr. Enloe Ritter, Division Director, Nuclear Energy Division, Mail Stop J309, Department of Energy, Washington, D.C. 20545 (301) 353-3613.

DEPARTMENT OF ENERGY-
HIGH ENERGY PHYSICS

Most awards are Special Research Contracts which are a simplified form of contract used for educational and non-profit research groups where the annual DOE support does not exceed \$1 million. The program does not solicit proposals. However, it does support conferences and seminars in which research priorities are discussed. Notices of these meetings appear in the Federal Register and the Commerce Business Daily. The program also supports Outstanding Junior Investigator Awards, which enable young tenure-track scientists at universities to launch independent research projects. Disciplines supported include: Nuclear Physics, Biological Systems, Electronics, High Energy Physics, Nuclear Theory, Chemistry. The objectives of the program are: (1) Identify the ultimate constituents and structure of matter and energy; (2) Understand the basic forces in nature which govern all interactions of matter and energy; (3) Seek to discover new physical phenomena using subnuclear particle interactions; (4) Maintain U.S. program in a world leadership position; and, (5) Be alert to opportunities for the transfer of new technology developments and breakthroughs in high energy physics to energy development programs. Proposals are accepted at any time during the year. Notices of conferences and symposia appear periodically in the Federal Register and the Commerce Business Daily. Informal inquiries or requests for further information may be obtained from Dr. William Wallenmeyer, Director, High Energy Physics Division, Mail Stop J-309, Department of Energy, Washington, D.C. 20545

DEPARTMENT OF ENERGY-
ENGINEERING SCIENCES

Most awards are Special Research contracts which are issued to universities and other research groups for support of DOE projects of less than \$1 million per year. The program accepts only unsolicited proposals. Disciplines supported include: Mechanical Engineering, Process Testing & Control, Advanced Instrumentation, Applied Mathematics, Applied Electronics, Analytical Studies. The objectives of the program are to add to the store of fundamental knowledge for advancing energy-related engineering practices, to stimulate new engineering approaches to solving the nation's energy problems and to enhance

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the intellectual base for future energy-related engineering developments. Proposals are accepted at any time during the year. Preliminary proposals are not accepted, but informal inquiries are encouraged and should be directed to Dr. Oscar Manly, Program Officer, Engineering Sciences, Mail Stop J309, Department of Energy, Washington, D.C. 20545, (301) 353-5822.

DEPARTMENT OF ENERGY-
HEALTH EFFECTS RESEARCH

Most awards are Special Research contracts which are issued to universities and other research groups for support of DOE projects of less than \$1 million a year. Almost all awards are for unsolicited proposals. Disciplines supported include: Genetics, Biochemistry, Toxicology, Biology. The program objectives are: (1) To conduct research with experimental biological systems that will provide data for use in the evaluation of human health risks arising from toxic agents related to energy technology development; (2) From animal and cellular research, develop experimental approaches that will provide reliable predictors of health risks to humans from hazardous energy related agents; (3) Contribute to a better definition of needs for control and mitigation of hazards; and (4) Provide methods for early detection of hazards in order to minimize adverse health consequences at technology development sites and in the surrounding area. The program is designed to conduct controlled experiments on cellular systems and animal models on health effects from energy technology. There are three major areas of research: (1) Carcinogenesis - Emphasizes cancer exposure related to energy technology; (2) Mutagenesis - Identifies mutagenic agents; studies the quantitative relationships between the dose of the mutagenic agent and the magnitude of the mutagenic response, the mechanisms of mutagenesis, damage and repair of genetic materials, and health consequences in human populations; (3) Systems Damage - Emphasizes toxicology - various short-term and long-term health effects of toxicants on various organ systems, including non-genetic in-utero damage. Proposals are reviewed throughout the year. For further information, contact Dr. Martin Minthorn, Director, Health Effects Research Division, Mail Stop E-201, Department of Energy, Washington, D.C. 20545 (301) 353-5468.

DEPARTMENT OF ENERGY-
ECOLOGICAL RESEARCH

Most awards are Special Research contracts which are issued to universities and other research groups for support of DOE projects of less than \$1 million a year. Disciplines supported include: Ecology, Botany, Biology, Marine Biology, Physical Oceanography, Chemical Oceanography. The objectives of the program are to determine the environmental impacts of various energy development programs; to identify vulnerable areas within the environment; to determine acceptable projects in terms of integration with the total ecosystem. The program is divided into two major areas--The Marine Research Program and the Terrestrial Research Program. In each area the same basic issues are addressed. They are: (1) Waste Disposal - Mobilization of pollutants, their migration, concentration and fate as well as their effects on the environment; (2) Siting - Air movements, water system movements, ecosystem resilience, and stability of physical features are considered in making appropriate siting decisions for energy facilities; (3) Alteration of Climate - Study of possible climatic alterations as a result of energy activities. Under each component -- Terrestrial and marine -- specific energy-related activities are being examined in

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terms of these ecological questions. Energy activities being examined are: (1) reclamation; (2) coal combustion; (3) oil and gas development; (4) ocean-thermal energy conversion technology; (5) development of geothermal resources; (6) solar energy development; (7) nuclear technology; and (8) multi-technology programs. Proposals are accepted at any time during the year. It is best, however, to submit them early in the fiscal year. The proposal review process takes between 6 and 10 months. For further information, contact Dr. Helen McCammon, Director, Ecological Research Division, Mail Stop E-201, EV-33, Department of Energy, Washington, D.C. 20545 (301) 353-4208.

DEPARTMENT OF ENERGY-
BIOLOGICAL ENERGY RESEARCH

All awards are contracts issued for the support of unsolicited proposals in the following disciplines: Biology, Microbiology, Botany, Biochemistry. The program is directed toward conducting fundamental research on biological phenomena which may ultimately impact on new or developing energy technologies. The next deadline for proposal submission is December 1, 1980. Informal inquiries are strongly encouraged and should be directed to Dr. Robert Rabson, Director, Biological Energy Research Division, U.S. Department of Energy, Mail Stop J-309, Washington, D.C. 20545 (301) 353-2875.

DEPARTMENT OF ENERGY-
THERMAL AND MECHANICAL
STORAGE SYSTEMS

Most awards are special research contracts issued for applied research. Proposals may be solicited or unsolicited. Disciplines supported include: Chemistry, Electrical Engineering, Chemical Engineering, Civil Engineering, Mechanical Engineering, Materials Research. The objectives of the program are to develop thermal and mechanical energy storage components and subsystems that will be used in overall energy systems for transportation, buildings, and industry. The program is subdivided into five program elements: (1) Thermal Storage - Development of thermal storage techniques with emphasis on storage for residential and building heating and cooling, industrial heat recovery and storage for solar thermal power generation. Under this element there is a generic research and development subelement set up to provide a technology base for applied areas; (2) Chemical and Hydrogen Technology - Development of techniques to produce, store, transport and distribute hydrogen. Current emphasis is on improving efficiency of electrolysis for hydrogen production and using thermochemical water splitting as an alternate production method; (3) Flywheel Systems - Develop materials, components and systems to support safe and economical flywheel storage systems for electric hybrids, ICE vehicles and pulsed industrial drives. A major application of this technology will be storage for solar energy systems; (4) Underground Thermal and Mechanical Energy Storage - Storage using compressed air or pumped hydroelectric either in salt or rock caverns or beneath the earth. Also conducting feasibility studies in the seasonal storage and recovery of energy for heating and cooling. This technology will be used in the near term for utility load leveling; (5) Superconducting Magnetic Energy Systems - Develop superconducting magnetic technology aimed at load leveling for utilities which will reduce the dependence on peaking generators and increase the capacity of transmission lines. Proposals should be submitted to be received about five months before the end of the current fiscal year for consideration during the next fiscal year. Program officers

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suggest that prospective proposers write a brief description of their research and send it to the following program contact before drafting the final proposal: Dr. James H. Swisher, Director, Thermal and Mechanical Energy Storage Systems Program, Mail Station 404, CS 66, U.S. Department of Energy, Washington, D.C. 20545 (202) 376-4919.

DEPARTMENT OF ENERGY-
POLLUTION CHARACTERIZATION
AND SAFETY

This division is responsible for developing analytical chemistry information on pollutants from the various energy technologies. Disciplines supported include: Physics,

Chemistry, Engineering, Instrumentation. The program is organized as a matrix-- by both scientific discipline and by energy technology. The scientific research areas are: (1) Pollutant Characterization - physical and chemical analyses of pollutants and effluence; (2) Atmospheric Transport and Transformation - developing tools, techniques and methodology for the measurement of such atmospheric pollutants as acid rain; (3) Measurement Science - development of improved technologies for the measurement of pollutants in radiation, effluence, and emission; (4) Occupational Health and Safety - focuses on the measurement of internal and external radiation. Develops personnel practices for occupational safety from pollutants; (5) Basic Mechanisms of Pollutants - research on the fundamental physical and chemical mechanisms of pollutants. Energy Technologies which are examined include: Coal combustion, liquification, and gasification; Oil shale development; Geothermal resources; Nuclear fission; Solar power (particularly Biomass Processing); Diesel fuel emissions; and Fusion (particularly health effects from exposure to magnetic fields.) Proposals are accepted at any time of the year. Program officers stated that they encourage brief 2 or 3 page pre-proposals. If the proposal seems acceptable to the program, the full application procedure can be initiated. For further information, contact Dr. Robert Wood, Director, Pollutant Characterization and Safety Division, E-201 EV-34, Department of Energy, Washington, D.C. 20545 (301) 353-3213.

NSF - BIOLOGICAL
INSTRUMENTATION PROGRAM

The Biological Instrumentation Program of the Division of Physiology, Cellular and Molecular Biology provides support for

proposals from multi-user groups for the purchase of major research instruments and support for the development of instruments which provide increased sensitivity and capability for measuring the detailed structure, dynamics, interactions and alterations that occur in biological systems. Formal proposals due September 30. Announcement of Awards: June 1981. Special guidelines for the preparation of proposals may be obtained from:

Larry D. Faller, Program Director
Biological Instrumentation Program
Division of Physiology, Cellular and
Molecular Biology
National Science Foundation
Washington, D.C. 20550

or call (202) 357-7656

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NSF - PRE-COLLEGE TEACHER
DEVELOPMENT IN SCIENCE

The Pre-College Teacher Development in Science Program is designed for the continuing education of elementary and secondary school teachers of mathematics and the natural and social sciences. By assisting teachers in grades 1-12 to strengthen their subject matter competency in science and mathematics, this program provides all students, regardless of their subsequent career choices, with the opportunity for gaining a deeper appreciation of the interrelationships among science, society, and the environment. Because of its involvement with teachers of science in junior high school, this program is an inherent part of the Science Education Directorate's early adolescence thrust. During adolescence, many students encounter their last exposure to science. The quality of science education at this level is important for all students, but particularly critical for girls and minorities who may, at some later date, wish to consider a career in science. Proposals due October 1, 1980. Summer Project Awards announced in mid-January 1981; Academic Year Projects in May 1981. Further information may be obtained from:

Theodore L. Reid or Mary G. Lewis, Program Managers
Pre-College Teacher Development in Science Program
Division of Scientific Personnel Improvement
National Science Foundation
Washington, D.C. 20550 or call (202) 282-7795

NSF - PUBLIC UNDERSTANDING
OF SCIENCE (PUOS)

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. Preliminary proposals due October 1. Formal Proposals Due: December 1, 1980 (Earliest Starting Date: June 1, 1981). Further information may be obtained from:

George W. Tressel, Program Director
or Jean Intermaggio, Program Manager
Public Understanding of Science Program
Office of Science and Society
National Science Foundation
Washington, D.C. 20550 or call (202) 282-7770

THE WILSON CENTER LATIN
AMERICAN PROGRAM FELLOWSHIPS

The Woodrow Wilson International Center for Scholars Program awards fellowships each year for research--historical or contemporary--in any field of the social sciences or the humanities. Eligibility is limited to the postdoctoral level for academic participants. Most candidates will have

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demonstrated distinction through the publication of scholarly articles or monographs. The Center's program is residential in character and Fellows are expected to devote full time to the major research project proposed in their application. Application Deadline: October 1, 1980. Further information is available from the Graduate Fellowship Office (373-2833).

NATIONAL ENDOWMENT FOR THE
HUMANITIES SUMMER STIPENDS 1981

This program provides support for people working in the humanities to pursue two consecutive months' full-time study or research. The proposed project may be one that can be completed during the stipend period or may be part of a long-range project. The University may nominate up to three applicants; application deadline to the CLA Research Office, 404 Johnston Hall is September 26. The application should consist of a curriculum vitae and a two page description of the project. Further information is available from the CLA Research Office (373-5101).

LUCE SCHOLARS PROGRAM

The University of Minnesota is invited to nominate two applicants for the Luce Scholars Program which annually sends fifteen young Americans of outstanding promise to the Far East for Professional apprenticeships under the guidance of leading Asians. Students and young faculty who are NOT Asian specialists are eligible. Interested students and faculty should contact Dr. A. J. Linck, Office of Academic Affairs (373-2033) for further information. Application Deadline: October 15, 1980.

AMERICAN HEART ASSOCIATION
MINNESOTA AFFILIATE
RESEARCH AWARDS

(1) Grants in Aid are available to post-doctoral investigators for clinical and basic science research in cardiovascular and related fields. Application Deadline: November 30. (2) Post-doctoral Research Fellowships are open to investigators in training and to qualified scientists who wish to work with established Minnesota investigators on cardiovascular research. Application Deadline: November 15. Applications and information are available from the Graduate Fellowship Office, 422 Johnston Hall (373-2833) or from the American Heart Association, Minnesota Affiliate, 4701 West 77th Street, Minneapolis, MN 55435 (835-3300).

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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
Foreign Currency Credit Awards	November 1
NHLBI, Young Investigator Award Research Grant	November 1
NHLBI, SERCA, Diabetes Mellitus-Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NIA, Gerontological and Geriatric Dermatology:	
Research Grants	November 1
Individual Postdoctoral Fellowship	October 1
Program Project Grant	October 1
Special Research Award	November 1
Research Career Award	October 1
Institutional Training Grant	October 1
NIA, Biomedical Research and Clinical Medicine	November 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	November 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	November 1
NIAID, Allergic Diseases Academic Award	October 1
NINCDS/NIAID/NIAMDD/NICHD, Research Grants Related to Reye's Syndrome	November 1
NIAID, Immune Mechanisms and Cutaneous Disorders	November 1
NIDR, Craniofacial Defects	November 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	November 1
NIA, Social and Behavioral Research on Aging:	
Program Project (Letter of Intent-September 1)	October 1
Postdoctoral Fellowships	October 1
Special Research Award	November 1
Senior Fellowship Program	October 1
Clinical Investigator Award	October 1
Research Career Development Award	October 1
Research Grants	November 1
Special Initiative Awards	November 1
Institutional Training Grant	October 1
DRR, Biotechnology Resources Program	October 1
NIOSH, Reproductive Effects from Occupational Hazards	November 1
NIH, Mt. St. Helens Volcano Health Effects Research	October 1
Fogarty International Center, Research Fellowships to Sweden, Switzerland, France	December 1

NIGMS, Burn and Trauma Research and Research Training;	
Research Center Grants	October 1
Program Project Grants	October 1
Research Grants	November 1
Research Career Development Awards	October 1
Special Grants for New Investigators	November 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	November 1
NIAMDD, RFA: Clinical Trial of Fluoride in Osteoporosis (Letter of Intent Requested by 8/1/80)	September 15
NICHHD, Behavioral and Social Science Research in Mental Retardation	November 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and System Degenerations:	
Program Project Grants	October 1
Research Grant	November 1
NHLBI, Biobehavioral Approaches to the Treatment of Hypertension	November 1
NHLBI/NIAMDD, SERCA-Diabetes Mellitus-Cariorvascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NIH, National Service Awards for Senior Fellows	October 1
NIOSH, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NIEHS/NINCDS/NIA: Studies of Diabetes Mellitus and Related Problems	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes:	
Research Grants	November 1
Special Emphasis Research Career Award (Annual Deadline)	June 1
Research Career Development Award	October 1
New Investigator Research Award	November 1
Academic Investigator Award	October 1
Clinical Investigator Award	October 1
Individual Postdoctoral Fellowships	October 1
NCI, RFA: Correlation Between Microscopic Characteristics of Primary Breast Tumors and Subsequent Patient Survival	October 15
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	November 1
NCI, Smoking, Cancer and Health Program:	
Research Grants	November 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
NCHCT, Assessment of Health Care Technologies	November 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	November 1
NCI, RFA: Interspecies Comparisons in Carcinogenesis	November 1

NIH, New Investigator Awards	November 1
NIH, Research Career Development Awards	October 1
NIH Individual Postdoctoral Fellowships	October 1
NIH, Institutional Training Programs	October 1
NIOSH, Occupational Cutaneous Hazards and Diseases (Dermatology Program)	November 1
NIOSH, Grants for Research and Demonstrations Relating to Occupational Safety and Health	November 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	November 1
NIAID, Pseudomonas Infections in Cystic Fibrosis: Research Grants	November 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)	November 1
NICHD, Developmental Aspects of Behavior and Nutrition	November 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	November 1
NIA, Cellular Aging Research: Differentiated Cells in Culture: Research Grants	November 1
Individual Postdoctoral Fellowships	October 1
Program Project Grants	October 1
Special Research Awards	November 1
Clinical Investigator Awards	October 1
Research Career Development Grants	October 1
Institutional Training Grants	October 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	November 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	November 1
NIA, Summary of Active Program Announcements	November 1
NIAMDD/NIA, SERCA-Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Cancer Clinical Treatment Research	November 1
NIAID, RFA: Asthma and Allergic Disease Centers (Letter of Intent by 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	November 1
NCI, Cancer Centers Support Grant Program	October 1
NHLBI, SERA, Development of Investigators Blood Transfusion Sciences: NSRA, Individual Fellowships	October 1
NSRA, Institutional Training	October 1
NSRA, Senior Fellowships	October 1
Clinical Investigator Award for Physicians (Annual)	August 1

NINCDS, Research Grants Related to Movement Disorders:	
Program Project Grant	October 1
Research Grants	November 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
Small Grants Program	Open
National Research Service Awards	October 1
Research on Substance Use	November 1
Institutional Training Grants	October 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	October 6
<u>National Center for Health Services Research</u>	
Doctoral Dissertation	October 15
Research Management Series-Research Priorities	Open
<u>Health Resources Administration</u>	
Research Scientist Development/Research Scientist Award	October 1
<u>Food and Drug Administration</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
<u>National Institute of Education</u>	
Grants for Research on Organizational Processes in Education:	
Final Proposals (Agency Request)	December 15
Small Grants	December 15
Grants for Research on Knowledge Use and School Improvement:	
Preliminary (Tentative Date)	December 17
Full Proposal (Tentative Date-Agency Request)	November 18
Small Grant (Tentative Date)	December 17
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
Program of Research Grants on Law and Government Studies in Education:	
Preliminary	September 16
Final (Agency Request)	March 3
Small Grant	September 16
<u>Department of Education</u>	
Field Initiated Research, CONTINUATIONS ONLY	120 days prior to current bud- get period ending
Handicapped Personnel Preparation, FY 81	October 6
Student Research FY 81, Cycle 1	October 10
Student Research, FY 81, Cycle 2	March 17
Mina Shaughnessy Scholars Program (FIPSE)	October 17
<u>Office of Human Development Services</u>	
Cooperative Research and Demonstration Project Grants (Section 1110)	TBD

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

National Science Foundation

Local Course Improvement (LOCI) Program (Announcement of Awards: mid-May 1981) - This program is subject to the availability of funds in the pending NSF Appropriations bill	To be announced
Pre-College Teacher Development in Science Program	October 1
Public Understanding of Science (PUOS) Program - Preliminary Proposals with the earliest starting date of June 1, 1981	October 1
U.S.-Australia Cooperative Science Program (for Seminars with starting dates between July 1, 1981 and December 31, 1981)	October 1
U.S.-New Zealand Cooperative Science Program (for Long-Term Visits with starting dates between June 1, 1981 and November 30, 1981)	October 1
Unsolicited Research Proposals (FORMAL) 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 (Approval of previously submitted Preliminary Proposal required)	October 1
(Approximate Target Date) Unsolicited Research Proposals for the Mathematical Sciences Section (Proposed Starting Dates: June through August 1981) - Programs include: Algebra and Number Theory; Applied Mathematics and Statistics; Classical Analysis; Modern Analysis and Probability; Special Projects; and, Topology, Geometry, and Foundations	October 24
U.S.-Japan Cooperative Science Program (for Seminar dates between September 1, 1981 and August 31, 1982)	October 31
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1981) - Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	October 31
Physically Handicapped in Science (PHIS) Program	To be announced
Resource Centers for Science and Engineering (RCSE) Program	To be announced
Student-Originated Studies (SOS)	To be announced
E. D. Bergmann Memorial Research Grant (U.S.-Israel Binational Science Foundation) - Award announced in April 1981	November 3
NATO Postdoctoral Fellowships in Science	November 3
Postdoctoral Fellowships in Science	November 3
Science Faculty Professional Development (SFPD) Program	November 3
U.S.-France Cooperative Science Program	November 3
U.S.-France Exchange of Scientists	November 3
U.S.-Latin America Cooperative Science Program (Proposed Starting Date: July 1, 1981)	November 3
Unsolicited Research Proposals for the Computer Sciences Section (Proposed Starting Dates: June through August 1981) - Programs include: Computer Systems Design, Intelligent Systems, Software Systems Science, Special Projects, and Theoretical Computer Science	November 3

(continued)

Unsolicited Research Proposals (PRELIMINARY) for the Division
of Policy Research and Analysis (Proposed Starting Dates:
September/October 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
November 3
Comprehensive Assistance to Undergraduate Science Education
(CAUSE) - Announcement of Awards: May 1981
November 7
Program for the Analysis of Science Resources
November 14
Graduate Fellowships
November 28

PRIVATE

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

American Cancer Society
Fellowship and Scholar Applications
October 1
Research Grants
November 1
American Council of Learned Societies
Study Fellowships
November 15
Chinese Programs
November 3
East European Studies
December 1
Grants-in-Aid
December 15
Summer Language Grants
January 1
American Egg Board
Research Grants
October 1
American Heart Association
Grants-in-Aid
October 1
American Heart Association - Minnesota Affiliate
Fellowships (postmark deadline)
November 15
Grants-in-Aid (postmark deadline) (please note: weekend dates)
November 30
American Lung Association
Fellowships
October 1
Research Grants
December 1
Macy (Josiah, Jr.) Foundation
Medical School Sabbatical Support
October 1
March of Dimes - Birth Defects Foundation
Basic Research
October 1
Minnesota Humanities Commission
November 15 &
January 15
Minnesota Medical Foundation
September 30 &
December 31
Muscular Dystrophy Association
Grants-in-Aid
by November 30
National Fund for Medical Education
Grants
October 1
Fellowships
November 1
Mini-grants in Cost-Containment Education
October 1
National Kidney Foundation
Research Fellowships
October 1

(continued)

Noyes (Jessie Smith) Foundation	
Areas of environment, education, health (letter inquiries)	November 1
Orthopaedic Research and Education Foundation	
Research Grants	October 1
Pharmaceutical Manufacturers Association Foundation	
Faculty Award in Clinical Pharmacology	October 1
Fellowships in Clinical Pharmacology	October 1
Developmental Grants for Clinical Pharmacology Units	January 15
Runyon-Winchell Cancer Fund	
Fellowships	December 15

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ORA/RDC Newsletter

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

October 1980

Volume X/No. 4

ORA/RDC NEWSLETTER 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 ORA at 6-7684 of the appropriate corrections and/or deletions. Please let us know also if you are receiving unnecessary duplicate copies of the Newsletter.

FACULTY AND CIVIL SERVICE SALARY INCREASES ON PROPOSAL BUDGETS

The University of Minnesota legislative request for the next biennium includes faculty salary increases in the amount of 17% in 1981-82 and 14% in 1982-83.

Proposal budgets which are being developed should reflect the proposed salary increases. We are continuing to estimate Civil Service salary increases at 10% for each fiscal year. The appropriate grant administrator in the Office of Research Administration should be contacted if questions or problems are encountered during the preparation of the proposal or negotiation of an award.

FEDERAL ACCOUNTABILITY CONCERNS

In a memorandum dated August 20, 1980, to Provosts, Deans, Directors, Depart-

ment Heads, and Principal Investigators, and reprinted in the September ORA/RDC Newsletter, several new federal accountability requirements were mentioned. Because of the concern expressed by universities and educational associations, the Office of Management and Budget is considering an experiment to permit institutions to statistically sample faculty administrative effort. Several universities will participate in the study which hopefully will result in the government's acceptance of this method of obtaining administrative effort. We believe that a statistical sampling process would permit a reasonable accounting of administrative effort for purposes of developing the indirect cost rate and would greatly reduce the paperwork burden and effort devoted by academic staff which will be associated with the required changes to the existing monthly effort certification system. We will provide information regarding any new developments in the federal government's accountability requirements through memoranda and/or future issues of the newsletter.

"REMINDER"-NIH APPLICATION KITS

As previously indicated (7/80) NIH has issued revised 398 kits which are to be used for all new and competing renewal proposals. ALL 398 kits reflecting a

date prior to 10/79 in the lower left-hand corner of the face page should be destroyed. The Division of Research Grants has indicated that proposals submitted for the November 1 deadline must be on the revised 398 forms, 10/79. Kits may be obtained from ORA at 3-5925.

REVISED APPLICATIONS-NIH

The latest instructions (10/79) for PHS 398, Grant Applications, state the

following for revised applications:

"When a revised application is submitted to replace a prior version, provide a statement before the RESEARCH PLAN of the application specifying what significant changes have been made. Include additions, deletions, revisions, and any responses to criticisms in the previous summary statement. These changes must be further identified by appropriate underlining, indenting or changing of typography within the text. When a COMPETING CONTINUATION or SUPPLEMENTAL application has been revised, the PROGRESS REPORT should incorporate any work done since the prior version was submitted."

If a revised application does not satisfy these requirements, the Referral Branch of the Division of Research Grants will return the application without further review.

NEW INDIVIDUAL NRSA APPLICATION FORM (PHS 416-1)

The new individual National Research Service Award research fellowship application form (PHS 416-1 revised

November 1979) is now available. Five or fewer copies of the new NIH application kit may be obtained by writing to the Office of Grants Inquiries, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20205. Requests for more than five copies should be forwarded to the Chief, Office Service Branch, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20205. ORA will also have a supply available by calling 3-5925.

The Alcohol, Drug Abuse, and Mental Health Administration and the Division of Nursing, Health Resources Administration, also provide support through National Research Service Awards. For information and new application kits in these areas, contact the appropriate agency.

Copies of the old form, PHS 416-1 revised June 1976, and the Facilities and Commitment Statement, PHS 416-2 revised January 1975, should be discarded.

NRSA SUPPORT AND PAYBACK GUIDELINE CLARIFICATION ISSUED

ORA has available copies of notice issued relating to National Research Service Awards which clarifies grounds

for waiver of the statutory limits on NRSA support and the range of activities acceptable to meet payback requirement. Copy may be obtained from ORA at 3-5925.

MINNESOTA SEA GRANT PROGRAM

The University of Minnesota Sea Grant Program is currently soliciting pre-proposals for the 1981-82 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 November 1, 1980. For the current grant year, the National Sea Grant College Program awarded the University of Minnesota \$500,000. 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, and marine education and training. Preproposals which pass the preliminary screening will be developed into full proposals by January 15, 1981. Final proposals will then be selected based on outside reviews and included in the University's full proposal to the National Sea Grant College Program for funding, beginning October 1, 1981. More detailed information and preproposal forms are available from the Minnesota Sea Grant Management Office, St. Paul, telephone (612) 373-1708. If you have questions call Don McNaught, Sea Grant Director, at the number above.

REORGANIZATION OF THE DIVISION OF ATMOSPHERIC SCIENCES

Effective April 27, 1980, the Division of Atmospheric Sciences was reorganized to create two sections: Grant

Programs, and Centers and Facilities Programs.

The new Grant Programs Section combines the Atmospheric Research Section and the Climate Dynamics Research Section. The Grant Programs Section will include the following programs: aeronomy, atmospheric chemistry, climate dynamics, experimental meteorology, and solar terrestrial research. The Centers and Facilities Programs Section will include the management of the National Center for Atmospheric Research, the National Scientific Balloon Facility, and other facilities.

Dr. Eugene W. Bierly, Division Director for Atmospheric Sciences is Acting Section Head for both sections (202) 357-9874.

REORGANIZATION IN THE DIVISION OF POLAR PROGRAMS

Effective June 30, 1980, a new Section for Polar Coordination and Information was established within the Division of

Polar Programs consolidating the coordinating activities and staff of the former Polar Planning and Coordinating Staff with the former Polar Information Service. The planning functions and staff, previously assigned to the Polar Planning and Coordination Staff, are reassigned to the Office of the Division Director. Polar Operations Section and Polar Science Section remain the same.

Mr. Joseph E. Bennett is Section Head for Polar Coordination and Information (202) 357-7819.

**POSTDOCTORAL FELLOWSHIPS AVAILABLE
UNDER NOVEMBER 3 DUE DATE**

**Announcement of Awards: late February
1981.**

This program assists scientists who have received their doctorate within the past 5 years to strengthen their research capabilities. Fellowships will be awarded on the basis of demonstrated aptitude and potential for long-range contributions to the health of science in the Nation. Awards of one full year-equivalent of support may be used to support half-time activity for two years at the institution selected by the Fellow. For each full year-equivalent, Fellows will receive a \$15,000 stipend, a maximum travel allowance of \$2,500, a \$300 special research allowance, and \$1,200 for the host institution in lieu of indirect costs. For further information, ask for program brochure SE 81-13 by contacting the following office:

George Reed, Program Manager
Postdoctoral Fellowship Program
Division of Scientific Personnel Improvement
National Science Foundation
Washington, DC 20550
or call: (202) 282-7154

**NOVEMBER 3 DEADLINE FOR SCIENCE
FACULTY PROFESSIONAL DEVELOPEMENT**

**Announcement of Awards: mid-April
1981.**

The Science Faculty Professional Developemnt Program assists two- and four-year college and university teachers of science, mathematics, and engineering to increase their competence and to improve the effectiveness of their teaching and research in understanding and satisfying national needs. Applicants must be U.S. citizens or nationals, hold a baccalaureate or its equivalent, will have had at least 5 academic years teaching experience as a full-time staff member with the rank of instructor or higher, teaching mainly undergraduate students, and currently hold an academic appointment in a U.S. college or university. Applicants may request tenures of three to 12 months, with a maximum stipend of \$2,250 per month; a limited travel allowance is provided, as well as an Activities Support Allowance at the rate of \$150 per month. For further information, refer to page B-50 in the Directory of NSF Programs, and by contacting the below listed program office for the FY 1981 application materials, SE 81-28:

Edward Karlander, Program Director
Science Faculty Professional
Developemnt Program
Division of Scientific Personnel Improvement
National Science Foundation
Washington, DC 20550
or call: (202) 282-7795

**RECONSIDERATION OF PROPOSALS
DECLINED OR RETURNED BY THE
NATIONAL SCIENCE FOUNDATION**

**"Policy: Award of NSF assistance is
discretionary. Nonetheless, a princi-
pal investigator (PI) whose proposal
has been declined may obtain an explana-
tion of the declination from the responsible Program Officer. If this**

explanation does not satisfy the PI that the proposal was fairly handled and reasonably evaluated, the PI may also obtain reconsideration of the declination by the responsible Assistant Director. If the applicant institution is still not satisfied after reconsideration by the responsible Assistant Director, it may obtain further reconsideration by the Deputy Director of the NSF. If a proposal has been declined after review by the National Science Board, however, only an explanation will be available. A PI whose proposal has been returned because it is inappropriate for consideration by NSF may also request reconsideration of this determination."

For copies of NSF Important Notice No. 84 contact Judy Krzyzek 373-2784.

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 1980-1981. 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 November 1, 1980.

Instructions and application forms may be obtained from the Dean's Committee for the ACS Institutional Research Grant, Room 421 Masonic Hospital, telephone: 373-4318.

INTERNATIONAL RESEARCH AND
EXCHANGES BOARD (IREX)

Several programs are available for faculty to participate in exchange programs with the socialist countries of

Eastern Europe and the USSR. Applicants must be U.S. citizens, have a command of the language of the host country sufficient for research, and hold the Ph.D. Further information is available from the Graduate Fellowship Office, 373-2833.

Deadline: November 1, 1980

GERMAN MARSHALL FUND FELLOWSHIP
PROGRAM - 1981

Fellowships are available to scholars whose research projects may contribute to a better understanding of signifi-

cant contemporary problems common to industrialized societies. Projects should focus on comparative political, economic, and social aspects of domestic and international problems. Further information is available from the Graduate Fellowship Office, 373-2833.

Deadline: November 30, 1980

ANDREW W. MELLON FELLOWSHIPS IN
THE HUMANITIES AT STANFORD
UNIVERSITY

To be awarded to highly promising scholars in the Humanities. These non-faculty one-year positions will carry department affiliation and half-time teaching duties. The award carries an annual stipend of \$16,000 and may be renewed for a second year. Further information is available from the Dean of the School of Humanities and Sciences, Stanford University, Stanford, California 94305.

Deadline: December 1, 1980

GERMAN ACADEMIC EXCHANGE

Several opportunities for study and research in Germany are available to U.S. citizens through the German Academic Exchange Service (DAAD). Contact the Graduate Fellowship Office, 373-2833, for further information. Application deadlines begin occurring in late October.

FULBRIGHT JUNIOR LECTURESHIPS

Recent Ph.D.s or advanced candidates with teaching experience may apply for Junior Lectureships in France, Germany, Italy and Portugal. Most of the awards will be in American Literature and Studies. Applicants must be U.S. citizens. Contact the Council for International Exchange of Scholars, Suite 300, Eleven Dupont Circle, Washington, D.C. 20036 (202) 833-4950.

Deadline: November 1, 1980

COMMITTEE ON SCHOLARLY COMMUNICA-
TION WITH THE PEOPLE'S REPUBLIC
OF CHINA

Three programs of scholarly exchange in the natural sciences, engineering, social sciences and the humanities between the U.S. and China are being offered by the CSCPRC for the 1981-82 year. Applicants must be U.S. citizens.

1) The Graduate Program offers support for individuals beyond the bachelor's level who have not obtained a Ph.D. Applicants must have a minimum of three years study of modern standard Chinese (for the humanities, social sciences and related fields) or a minimum of two years of study for applicants in the sciences and engineering. Minimum tenure is ten months, beginning September, 1981.

2) The Research Program offers research support grants to scholars with the Ph.D. or equivalent. Tenure is 3 months to one year in the sciences and engineering, and six months to a year in the social sciences and humanities, beginning as early as mid-June 1981. Further information and applications may be obtained from the Graduate Fellowship Office, 422 Johnston Hall 373-2833. Application Deadline: November 7, 1980

3) Contingent on the availability of funds, the CSCPRC will sponsor a limited number of conferences in 1981 and 1982, involving Chinese and American research scholars. The CSCPRC is particularly interested in activities which are likely to stimulate further substantive collaboration, which are of mutual interest to American and Chinese scholars, and which demonstrate American institutional commitment. For further information and proposal guidelines contact the CSCPRC, National Academy of Sciences, 2101 Constitution Avenue

N.W., Washington D.C. 20418.
Application Deadline: December 1, 1980

GRANT WRITING WORKSHOP

The University's Department of Conferences is sponsoring a grant writing workshop, "Proposal Writing in Process," which will be held from October 15-17, at Nolte Center. The program is designed for people with limited grant writing experience. One unique feature is that participants will work on a proposal topic of their choice. They will leave the workshop with a complete proposal in-hand, as well as a specific strategy on how to apply for funding. The program will be conducted by Craig Smith, Director of GRANTSPEOPLE, Inc., and author of Getting Grants, a book recently published by Harper & Row. The registration fee is \$195; enrollment is limited. For further information, write or call Anne Dickason, Program Director, 219 Nolte Center 376-2578.

**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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

FEDERAL

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

National Institutes of Health

Research Grants, new	November 1
Research Grants, renewals	February 1
NHLBI, Young Investigator Award-Research Grant	November 1
NIA, Gerontological and Geriatric Dermatology-Research Grant	November 1
NIA, Gerontological and Geriatric Dermatology-Special Research	November 1
NIA, Biomedical Research and Clinical Medicine	November 1
NIAMDD, Research Interests of the Chronic Renal Disease Program	November 1
NIAID, New Investigator Research in Clinical Immunology and Virology	November 1
NINCDS/NIAID/NIAMDD/NICHD: Research Grants Related to Reye's Syndrome	November 1
NIAID, Immune Mechanisms and Cutaneous Disorders	November 1
NIDR, Craniofacial Defects	November 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	November 1

NIA, Social and Behavioral Research on Aging:	
Special Research Award	November 1
Research Grants	November 1
Special Initiative Award	November 1
DRR, Biotechnology Resources Program	February 1
NIGMS, Burn and Trauma Research and Research Training:	
Research Grants	November 1
Special Grants for New Investigators	November 1
NHLBI, Methods for Quantifying the Size and Evaluating the Function of Ischemic and Infarcted Myocardium	November 1
NICHD, Behavioral and Social Science Research in Mental Retardation	November 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and Systems Degenerations:	
Program Project Grants	February 1
Research Grants	November 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NIH/NINCS/NIA: Studies of Diabetes Mellitus and Related Problems	November 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCS/NIA: The Epidemiology of Diabetes:	
Research Grants	November 1
New Investigator Award	November 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	November 1
NCI, Smoking, Cancer and Health Program:	
Research Grants	November 1
NIH, New Investigator Awards	November 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NIOHS, Occupational Cutaneous Hazards and Diseases (Dermatology Program)	November 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	November 1
NIDR/NIA, Geriatric Dentistry Academic Award	November 1
NIAID, Pseudomonas Infections in Cystic Fibrosis:	
Research Grants	November 1
NHLBI, Biobehavioral Approaches to the Treatment of Hyper- tension (Letter of Intent Required Prior to Deadline)	November 1
NICHD, Developmental Aspects of Behavior and Nutrition	November 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	November 1
NIA, Cellular Aging Research; Differentiated Cells in Cultures:	
Research Grants	November 1
Special Research Awards	November 1
NIAMDD, Liver Diseases Research	November 1
NHLBI, Physiological and Pathophysiological Effects of Mechanical Circulatory Support Devices	November 1
NIA, Summary of Active Program Announcements	November 1
NCI, Cancer Clinical Treatment Research	November 1
NIAMDD, New Investigator Research Award in Arthritis, Bone Diseases and Skin Diseases	November 1

NINCDS: Research Grants Related to Movement Disorders:	
Program Project Grants	February 1
Research Grants	November 1
NCI, Cancer Centers Support Grant Program	February 1
NHLBI, SERCA, Diabetes-Mellitus-Obstetrical, Perinatal and Pediatric Aspects (ANNUAL DEADLINE)	June 1
NHLBI, Clinical Investigators Award (ANNUAL DEADLINE)	August 1
NIAMDD/NIA, SERCA, Diabetes Mellitus in the Elderly (ANNUAL DEADLINE)	October 1
NCI, Preventive Oncology Academic Award (ANNUAL DEADLINE)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (ANNUAL DEADLINE)	May 1
NHLBI, Preventive Oncology Academic Award (ANNUAL DEADLINE)	April 1
NIH, Support of Meetings	Open
NHLBI/NIAMDD, SERCA, Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (ANNUAL DEADLINE)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHG/NIDR/NINCDS/NIA: The Epidemiology of Diabetes:	
Special Emphasis Research Career Award (ANNUAL DEADLINE)	June 1
NIH, Foreign Currency Awards	November 1
Fogarty International Center, Research Fellowships to Sweden, Switzerland, France	December 1
NCHCT, Assessment of Health Care Technologies	November 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	November 1
NCI, RFA: Interspecies Comparisons in Carcinogenesis	November 1
NHLBI, SERCA, Development of Investigators Blood Transfusion Sciences	February 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, new	November 1
Research Grants, renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Research on Substance Use	November 1
Small Grants Program	Open
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 6
<u>National Center for Health Services Research</u>	
Research Management Series-Research Priorities	Open
<u>Health Resources Administration</u>	
Research Scientist Development/Research Scientist Award	February 1
Health Careers Opportunity Program	December 11
<u>Food and Drug Administration</u>	
Research Grants, new	November 1
Research Grants, renewals	February 1

National Institute of Education

Program of Research Grants on Teaching and Learning	January 27
Research Grants on Institutions of Postsecondary Education:	
Preliminary	October 21
Final (Agency Request)	March 25
Small Grant	October 21
Research on Organizational Processes in Education:	
Preliminary	December 11
Final (Agency Request)	April 9
Small Grant	December 11
Program of Research Grants on Law and Government Studies in Education:	
Preliminary	March 3
Final (Agency Request)	September 10
Small Grant	March 3
Unsolicited Proposals	Open

Department of Education

Field Initiated Research, CONTINUATIONS ONLY	120 days prior to current budget period ending date
Student Research, FY 81, Cycle 2	March 17
Bilingual Education-Fellowship Program, CONTINUATIONS ONLY	March 2
Bilingual Education-Fellowship Program, New	November 10
Pre-College Teacher Development in Science Program	October 20

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

National Science Foundation

Local Course Improvement (LOCI) Program (Announcement of Awards: mid-May 1981) - This program is subject to the availability of funds in the pending NSF Appropriations Bill	To be announced
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> to start between June 1, 1981 and November 30, 1981)	October 1
Unsolicited <u>FORMAL</u> Research Proposals 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; Socioeconomic Effects of Science and Technology; Technology Assessment; and, Cross-Cutting Topics (Approval of previously submitted Preliminary Proposal required)	October 1
Pre-College Teacher Development in Science Program	October 15

Unsolicited Research Proposals for the Mathematical Sciences Section (Proposed Starting Dates: June through August 1981) - Programs include: Algebra and Number Theory; Applied Mathematics and Statistics; Classical Analysis; Modern Analysis and Probability; Special Projects; and, Topology, Geometry, and Foundation Foundation	approx: October 24
U.S.-Japan Cooperative Science Program (for <u>Seminar</u> dates between September 1, 1981 and August 31, 1982)	October 31
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: July/August 1981) - Programs include: Biochemistry, Biophysics, Cell Biology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	October 31
Physically Handicapped in Science (PHIS) Program	To be announced
Resource Centers for Science and Engineering (RCSE) Program	To be announced
Student-Originated Studies (SOS)	To be announced
E. D. Bergmann Memorial Research Grant (U.S.-Israel Binational Science Foundation) - Award announced in April 1981	November 3
NATO Postdoctoral Fellowships in Science	November 3
Postdoctoral Fellowships in Science	November 3
Science Faculty Professional Development (SFPD) Program	November 3
U.S.-France Cooperative Science Program	November 3
U.S.-France Exchange of Scientists	November 3
U.S.-Latin America Cooperative Science Program (Proposed Starting Date: July 1, 1981)	November 3
Unsolicited Research Proposals for the Computer Sciences Section (Proposed Starting Dates: June through August 1981) - Programs include: Computer Systems Design, Intelligent Systems, Software Engineering, Software Systems Science, Special Projects, and Theoretical Computer Science	November 3
Unsolicited <u>Preliminary</u> Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Dates: September/October 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	November 3
Comprehensive Assistance to Undergraduate Science Education (CAUSE) - Announcement of Awards: May 1981	November 7
Resource Centers for Science and Engineering	November 14
Program for the Analysis of Science Resources	November 14
Graduate Fellowships	November 26
Information Dissemination for Science Education (<u>Preliminary Proposals</u> for Special Projects)	To be announced
Unsolicited (<u>PRELIMINARY</u>) Research Proposals for the Development in Science Education (DISE) Program (Proposed Starting Dates: September/October 1981) - Research Area: 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

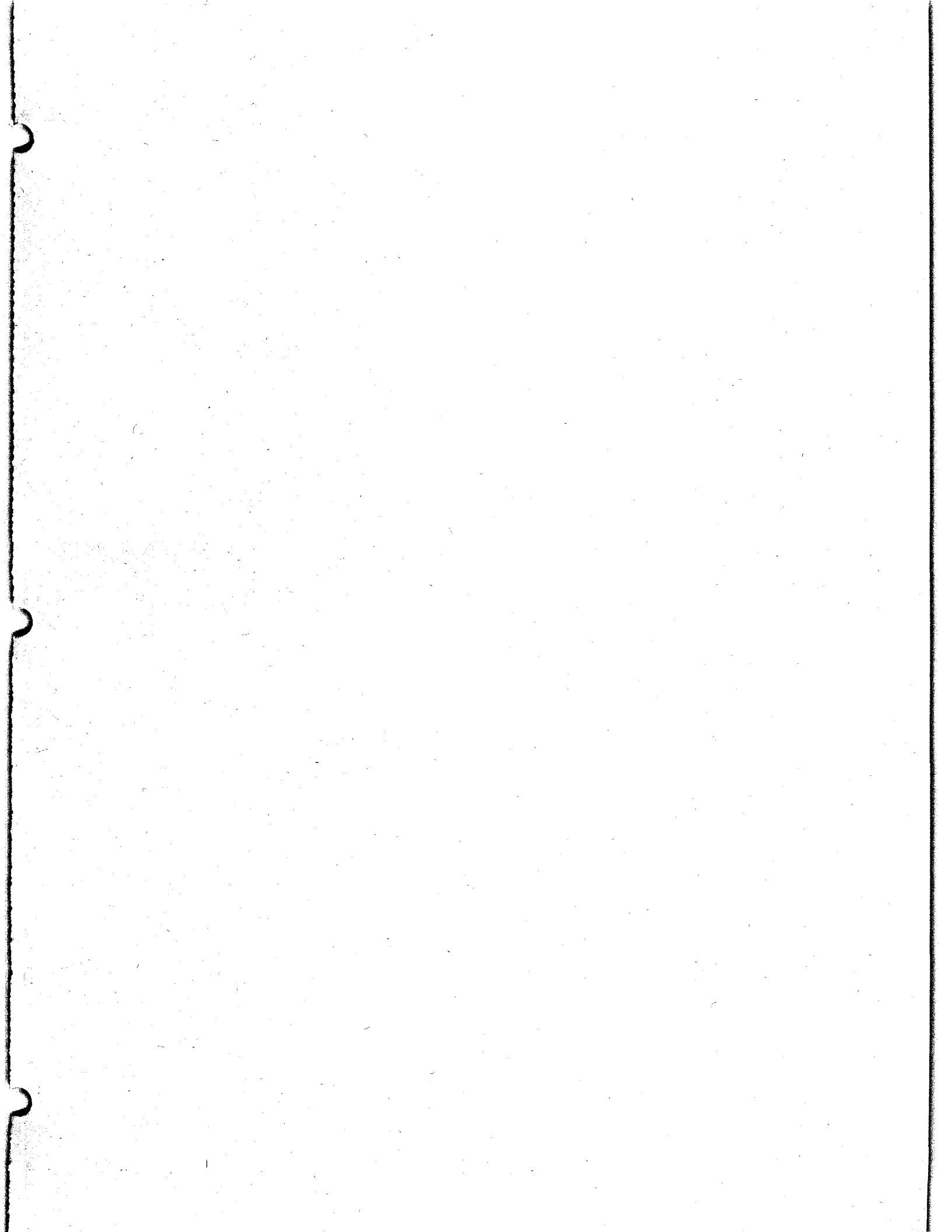
Unsolicited (<u>PRELIMINARY</u>) Research Proposals for the Research in Science Education (RISE) Program (Proposed Starting Dates: September/October 1981) - Research Areas include: Science Education for the Early Adolescent; Science for Women, Minorities, and the Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge	To be announced
Unsolicited Research Proposals for the Division of Problem-Focused Research (<u>Preliminary Proposals</u> for a proposed starting date in September 1981) - For FY 1981 funding	To be announced
Engineering Research Initiation Grants (Proposed Starting Date: April 15, 1981)	December 1
Ethics and Values in Science and Technology (EVIST) - <u>Formal Proposals</u> with the earliest starting date of June 1, 1981 (Approval of previously submitted Preliminary Proposal required)	December 1
Public Understanding of Science (PUOS) Program - <u>Formal Proposals</u> with the earliest starting date of June 1, 1981 (Approval of previously submitted Preliminary Proposal required)	December 1
Unsolicited Research Proposals for the Climate Dynamics Program (Announcement of Awards: June 1, 1981)	December 1
Minority Institutions Science Improvement Program (MISIP)	December 5
Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Earliest Starting Date: June 1, 1981) - Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology and Geophysics	December 31
Information Dissemination for Science Education (IDSE) - For Regular Projects	To be announced
Ethics and Values in Science and Technology (EVIST) - <u>Preliminary Proposals</u> with the earliest starting date of October 1, 1981	January 2
Unsolicited Research Proposals for the Division of Applied Research (Proposed Starting Dates: July/August 1981)	January 2
Unsolicited Research Proposals for the Division of Earth Sciences (Earliest Starting Dates: September/October 1981) - Programs include: Geochemistry, Geology, Geophysics, and Petrology	January 2
Unsolicited Research Proposals for the Division of Intergovernmental Science and Public Technology (<u>Preliminary Proposals</u> with proposed starting dates in August/September 1981) For FY 1981 Funding	January 2
Women in Science Career Facilitation Projects	January 2
Women in Science Career Workshops	January 2
Minority Institutions Graduate Traineeships (Announcement of Awards: April 1981)	January 9
Postdoctoral and Senior Postdoctoral Fellowships (at the National Center for Atmospheric Research)	January 15
Science for Citizens (SFC) Forums, Conferences, Workshops, and Planning Studies - <u>Preliminary Proposals</u> with the earliest starting date of September 15, 1981.	January 15

PRIVATE

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

American Cancer Society Research Grants	November 1
American Council of Learned Societies Study Fellowships	November 15
Chinese Programs	November 3
East European Studies	December 1
Grants-in-Aid	December 15
Summer Language Grants	January 1
American Heart Association-Minnesota Affiliate Fellowships (postmark deadline) (Please note:	November 15
Grants-in-Aid (postmark deadline) weekend dates)	November 30
American Lung Association Research Grants	December 1
Minnesota Humanities Commission	November 15
	January 15
Minnesota Medical Foundation Muscular Dystrophy Association Grants-in-Aid	December 31
	October or November for November 30th consideration
National Fund for Medical Education Fellowships	November 1
National Multiple Sclerosis Society Postdoctoral Fellowships (by January 15 for July Award)	Open
Junior Faculty Awards (by January 15 for July Award)	Open
Noyes (Jessie Smith) Foundation Areas of environment, education, health (letter inquiries)	November 1
Pharmaceutical Manufacturers Association Foundation, Inc. Fellowship Awards in Pharmacology and Morphology	January 15
Developmental Grants for Clinical Pharmacology Units	January 15
Runyon-Winchell Cancer Fund Fellowships	December 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.



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

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November 1980

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ORA STAFF CHANGE

Dr. Thomas Olson, Assistant Director
in the Office of Research

Administration, has taken the position of Director of Development at St. Paul Academy effective November 1, 1980. His primary responsibility in the ORA was the administration of non-federal sponsored programs. Dr. Olson has made significant contributions during his tenure in the ORA and his expertise in the area of non-federal programs will be missed. Winifred Ann Schumi, Executive Assistant, (376-7353) and Tony Potami, Director of ORA, will temporarily assume the responsibilities associated with non-federal programs.

INTERSTATE SHIPMENT OF CERTAIN ETIOLOGIC AGENTS

The Center for Disease Control, PHS, HHS,
has published a final rule effective
August 20, 1980, which modifies the

requirements for the interstate shipment of certain etiological agents, diagnostic specimens and biological products (copy available from ORA at 373-5925). The requirements are intended to prevent the exposure and possible infection of transportation personnel and others to infectious materials in interstate transit, and specify requirements for packaging, labeling, shipping and mailing, reporting of damaged shipments and failure of delivery. All NIH grantees and contractors who are engaged in the distribution or receipt of such material are urged to familiarize themselves with the cited regulations.

HEALTH SCIENTISTS EXCHANGE PROGRAMS WITH POLAND, ROMANIA AND USSR

The Fogarty International Center, NIH,
administers joint cooperative programs
involving short- and long-term exchange
of health and biomedical scientists

with the above countries. General eligibility requirements specify that a participant must be a U.S. citizen or a permanent U.S. resident, hold an advanced degree (normally doctorate) in one of the health sciences or related fields, have had professional experience in health or biomedical fields appropriate to the proposed study and be affiliated with a U.S. public or private nonprofit educational, research or clinical institution. For further information with respect to the terms and requirements of the particular country program of interest contact: Chief, International Cooperation and Geographic Studies Branch, Fogarty International Center, National Institutes of Health, Bethesda, MD 20205, or call (301) 496-5903.

NIH CONTRACT COMPLIANCE PROGRAM

As a result of the announcement of the
NIH Contract Compliance Program in the

NIH Guide for Grants and Contracts, Volume 9, No. 6, dated April 25, 1980, NIH has received several questions concerning the overall goals and objectives of the program. The compliance program was initiated in May 1976, under guide-

lines developed by the Public Health Service. The NIH program was developed in two phases. The first phase, involving NIH contract specialists, began in November 1977. The second phase, involving project officers, began July 1, 1980. Both phases of the program were fully discussed and developed by committees of NIH contract specialists and project officers.

In the first phase, contract specialists are required to orally ask five elementary questions of the contractor's Affirmative Action Officer concerning the contractor's Affirmative Action Program (AAP) during contract negotiation site visits. The second phase involves NIH project officers and requires that they ask seven elementary questions of the contractor's principal investigator during the first site visit after the award of a new contract. The specific oral questions to be asked by NIH contract specialists and project officers were included in the above-referenced NIH Guide. If, during a site visit, either a contract specialist or project officer observes a circumstance that seems to indicate an obvious problem with a contractor's Affirmative Action Program, he/she will bring the matter to the attention of either an Institute Contract Compliance Coordinator or the NIH Contracts and Grants Compliance Officer, Ms. Maureen Miles. One of these individuals, in turn, will contact the contractor's Affirmative Action Program Officer to discuss the apparent problem. If the NIH site visitor's concern is found to be valid, the NIH Institute Coordinator and/or Ms. Miles will work closely with the appropriate contractor's staff, and OFCCP when appropriate, to eliminate the problem. For further information contact: Ms. Maureen B. E. Miles, 9000 Rockville Pike, Room 1B50, Building 31, Bethesda, MD 20205, or call (301) 496-2973.

PROJECT FORMS REVISED BY NSF

To reduce paperwork and streamline the processing of proposals, the National Science Foundation has reviewed and revised some of its processing forms, including the Project Summary (NSF Form 4) and the Summary Proposal Budget (NSF Form 1030), that institutions are required to submit with each proposal. Forms may be obtained from ORA at 373-2771.

DEPARTMENT OF ENERGY-
OFFICE OF BUILDINGS AND
COMMUNITY SYSTEMS

The objective of this program is to conduct research, development and demonstration in conservation techniques for the built and non-built environment. Disciplines supported include the following: Air Conditioning and Heating, Social Sciences, Building Design, Engineering, Economics, Architecture, Urban Planning. Awards, based on solicited or unsolicited proposals, are primarily research contracts, though some grants are awarded to universities. Proposers are urged to contact the Office of Buildings and Community Systems, U.S. Department of Energy, Washington, D.C. 20545, to request fact sheets or other information before beginning the proposal. A concept letter should then be submitted with a follow-up call thereafter to set up a meeting to discuss the research. Note program contacts are all in the Forrestal Building, 1000 Independence Ave., S.W. Washington, D.C. Room numbers and telephone numbers are given for each:

Program Support - Nancy Fanning, Rm. 1H-031, (202) 252-9452
Market Development - John Franke, Rm. 1H-087, (202) 252-9436
Information Transfer - Jerry Duane, Rm. 1E-276, (202) 252-9395
Community Planning - Gail Ettinger, 1F-065, (202) 252-9393

Urban Waste - Donald Walter, Rm. 1E-276, (202) 252-3997
Appliance Standards - James Smith, Rm. GH-065, (202) 252-9127
Codes & Standards - Jim Binkley, Rm. GH-068, (202) 252-9197
Technology & Consumer Products - John Ryan, Rm. GH-095, (202) 252-9130
Residential Conservation Service - Rm. GH-068, (202) 252-9161
Small Business - Floyd Collins, Rm. 1E-276, (202) 252-9395

DEPARTMENT OF ENERGY-
PASSIVE AND HYBRID SOLAR
APPLICATIONS FOR BUILDINGS

The goal of this program is to substantially replace non-renewable energy sources by the rapid development and commercialization of passive heating

and cooling systems. Disciplines supported include the following: Civil Engineering, Heat Transfer Mechanics, Physics, Architecture, Marketing, Economics, Thermodynamics, Mechanical Engineering, Building Sciences. Proposals may be submitted at any time, but it is suggested that unsolicited proposals be submitted toward the end of a fiscal year for funding during the next fiscal year. Those wishing to submit a proposal should call the program contact before drafting the final proposal. For further information contact: D. Robert Jordan, Director, Passive and Hybrid Solar Applications for Buildings Program, Mail Station 5G-026, CS-60, U.S. Department of Energy, Washington, D.C. 20545, or call (202) 252-8095.

DEPARTMENT OF ENERGY-
ADVANCED RESEARCH AND TECHNOLOGY

This program assesses and identifies long-range advanced research needs in materials and coal processing and over-

sees ongoing advanced research projects for the Office of Fossil Energy. Disciplines supported include the following: Mechanical Engineering, Materials, Metallurgy, Chemistry, Ceramics, Physics, Chemical Engineering. The program is organized into two major subelements: (1) University Coal Research, and (2) Materials Research. The program is also responsible for promoting effective communications between fossil energy programs and universities and encouraging those institutions to become involved in DOE's Fossil Energy projects. Grants and contracts are awarded under this program in response to solicitations. Specific details for applications under this program are contained in the solicitations and Notice of Program Interest. For further information contact: Dr. Robert Wellek, Program Director, Advanced Research and Technology Program, Mail Station C-156, FE-4, U.S. Department of Energy, Washington, D.C. 20545, or call (301) 253-2784.

DEPARTMENT OF ENERGY-
HUMAN HEALTH AND ASSESSMENTS
DIVISION

The Division conducts research on the assessment of health effects of energy technologies and uses to determine the impact on human beings. Disciplines

supported include the following: Nuclear Medicine, Occupational Health, Epidemiology, Health Physics, Statistics, Biostatistics. Research contracts of from one to three years are generally awarded in response to unsolicited proposals. The Division is divided into the following three subelements: (1) Human Health Effects, (2) Assessment, and (3) Nuclear Medicine. While unsolicited proposals may be considered at any time, submitting a proposal in the spring is probably the most opportune time. Researchers should first submit a preliminary proposal outlining the proposed work, including cost and time estimates. Following review by the program's staff, a full proposal will be

requested if the idea seems to be acceptable for funding. The full proposal is reviewed inside and outside DOE and a summary of the results is prepared and submitted to the research committee for decision. Proposals are accepted contingent upon the availability of funds. For further information contact: Dr. Joseph R. Blair, Director, Human Health and Assessments Division, MS E-201, EV-31, U.S. Department of Energy, Washington, D.C. 20545, or call (301) 353-5355.

DEPARTMENT OF ENERGY-
BIOMASS ENERGY SYSTEMS DIVISION

The objective of this program is to develop power generating systems directly or indirectly from biomass sources. Biomass energy systems include three major sources of energy supply: (1) Terrestrial Biomass Production, (2) Agricultural and Animal Residues, and (3) Marine Biomass. Disciplines supported include the following: Environmental Engineering, Chemistry, Biology, Agronomy, Thermochemical Conversion of Biomass, Environmental Policy Studies, Aquatic Plant Development, Bio-Conversion, Silviculture, Economics. There is no specific deadline for unsolicited proposals. Solicitations appearing in the Federal Register and Commerce Business Daily will carry specific dates for those solicitations. Interested applicants are encouraged to submit a brief proposal summarizing the work to be done and their funding requirements. For further information contact: Dr. Beverly J. Berger, Director, Biomass Energy Systems Division, MS 404, CS-67, U.S. Department of Energy, Washington, D.C. 20545, or call (202) 376- 9739.

DEPARTMENT OF ENERGY-
GASIFICATION RESEARCH

The purpose of the gasification program is to develop and demonstrate in co-operation with industry, environmentally acceptable technology needed to gasify coal. Disciplines supported include the following: Chemical Engineering, Mechanical Engineering, Chemistry. The major areas of interest to researchers are: (1) Advanced Research and Technology Development, and (2) Bench Scale Industrial Projects. Unsolicited proposals may be considered at any time. Solicitations will carry specific deadline dates. Applicants are encouraged to submit a pre-proposal giving the proposed research in summary form. For further information contact: Clarence Karr, Jr., Director, Gasification Research Program, Morgantown Energy Technology Center, P. O. Box 880, Morgantown, WV 26505, or call (304) 599-7311.

DEPARTMENT OF ENERGY-
OFFICE OF EMERGENCY
CONSERVATION PROGRAMS

The objective of this program is twofold: (1) to administer the Emergency Building Temperature Restrictions program and (2) to develop and be ready to implement a Federal standby emergency conservation plan. The program awards research contracts based on solicited or unsolicited proposals. Disciplines supported include the following: Engineering, Psychology, Urban Planning, Economics, Public Administration, Resource Analysis. There are no specific deadlines for work under this program. Unsolicited proposals may be considered at any time. Researchers seeking funds under this program are required to submit the full proposal to the program contact. For further information contact: Mr. Jan Marfyak, Program Director, Office of Emergency

Conservation Programs, GE-004, CS-39, Department of Energy, Washington, D.C. 20545, or call (202) 252-4973.

DEPARTMENT OF TRANSPORTATION-UMTA
UNIVERSITY RESEARCH AND TRAINING

The objectives of this program are to encourage and support university research education and training on

local, state and Federal urban transportation problems and to advance the understanding and resolution of critical transportation problems. Disciplines supported include the following: Urban Planning, Metropolitan Planning, Economics, Engineering, Law, Public Administration, Social Sciences, Physical Sciences, Architecture. Application Deadline: December 1, 1980, 4:00 p.m. EST. Proposal submission procedures should be discussed with the Program Contact before drafting the proposal. For further information contact: Phillip Hughes, Director, University Research and Training Program, Department of Transportation, Urban Mass Transportation Administration, Office of Policy Research, 400 7th Street S.W., Washington, D.C. 20590, or call (202) 426-0080.

POSTDOCTORAL FELLOWSHIPS FOR
MINORITIES

The National Research Council plans to award approximately 35-40 one year fellowships to minorities who hold the

Ph.D. (or other terminal degree) in science, engineering or the humanities. Applicants must be U.S. citizens. Application deadline is February 2, 1981. Inquiries should be addressed to the Fellowship Office, National Research Council, 2101 Constitution Ave., Washington, D.C. 20418.

BUSINESS AND PROFESSIONAL
WOMEN'S FOUNDATION

Lena Lake Forrest Fellowships and BPW Foundation Research Grant programs are available to post-doctoral scholars in

support of research pertaining to working women with special emphasis on economic issues. Special consideration will be given to topics concerning comparable worth, occupational segregation, organizational structure, and networking. Awards range from \$400 to \$3,000. Application Deadline: January 1, 1981. A preliminary letter requesting an application form and including a concise statement about the proposed research subject and the applicant's academic level should be submitted to BPWF, 2012 Massachusetts Ave. N.W., Washington, D.C. 20036.

LINDBERGH GRANTS

Grants of up to \$10,580 will be awarded to individuals whose projects

represent a significant contribution toward the achievement of a balance between technological progress and the preservation of our natural environment. Deadline: January 15, 1981. Further information is available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

FULBRIGHT AWARDS

The Fulbright Commission in Germany has announced twenty Senior Fulbright

awards for American educators in the field of international education, tenable in the spring of 1981. The program is specifically designed for individuals of substantial professional achievement in the area of foreign student advisement and admissions. Application Deadline: December 1, 1980. Further in-

formation and applications are available from the Council for International Exchange of Scholars, Eleven Dupont Circle, Suite 300, Washington, D.C. 20036 (202) 833-4969.

AMERICAN ASSOCIATION OF UNIVERSITY
WOMEN POSTDOCTORAL FELLOWSHIPS

appointments and plan to use the fellowship year for research leave.

Application Deadline: December 15, 1980. Applicants must be U.S. citizens. Apply to AAUW, 2401 Virginia Ave. N.W., Washington, D.C. 20037.

Awards are available to women for postdoctoral research. Preference is given to those who hold junior academic

NATIONAL RESEARCH COUNCIL
POSTDOCTORAL AWARDS

earth sciences, chemistry, engineering, environmental sciences, life sciences, mathematics, physics, and space sciences. Most programs are open to non-U.S. nationals as well as to U.S. citizens. Stipends begin at \$20,500 per year; grants will be provided for family relocation and for limited professional travel. Application Deadline: January 15, 1981. Further information is available from the Graduate Fellowship Office (373-2833) or from the College Research Officers.

Approximately 250 awards will be made on a competitive basis to scholars in the following fields: atmospheric and

NATIONAL RESEARCH COUNCIL
LABORATORIES RESEARCH
ASSOCIATESHIPS

should have recently acquired a Ph.D. in the natural sciences or a Masters degree in an engineering field. Associateships are open to nationals of all countries, although preference will be given to Canadians. Application Deadline: December 15, 1980. Further information is available from the Graduate Fellowship Office (373-2833) or from the Research Associates Office, National Research Council of Canada, Ottawa, Canada, K1A 0R6.

Approximately 50 Research Associateships will be available to scientists and engineers to carry out research in fields of interest to NRC. Applicants

VISITING FELLOWSHIPS IN CANADIAN
GOVERNMENT LABORATORIES

experience. (Ph.D. should have been received within the last five years.) Appointments are for one year; renewals for a second year are possible in some departments. Application Deadline: January 15, 1981. Further information is available from the Graduate Fellowship Office (373-2833) or from the Scholarships Officer, Natural Sciences and Engineering Research Council of Canada, Ottawa, Ontario, Canada K1A 0R6.

Visiting Fellowships are available in science and engineering fields to candidates who hold the Ph.D. or equivalent

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

applications must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

Following is a list of some, but not all, agency deadlines occurring within the next few months. All grant appli-

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
NHLBI, Young Investigator Award-Research Grant	March 1
NIAID, New Investigator Research in Clinical Immunology and Virology	March 1
NINCDS/NIAID/NIAMDD/NICHD: Research Grants Related to Reye's Syndrome	March 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	March 1
DRR, Biotechnology Resources Program	February 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and Systems Degenerations, Research Grants	March 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	March 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NICHD, Developmental Aspects of Behavior and Nutrition	March 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	March 1
NIAMDD, Liver Diseases Research	March 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	February 1
Research Grants	March 1
NCI, Cancer Centers Support Grant Program	February 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings	Open
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NCHCT, Assessment of Health Care Technologies	March 1

NINCDS, Research Grants in Neurophysiology of Cognitive Processes	March 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	March 1
NCI, Cancer Patient Compliance with Therapeutic Regimens (RFA)	January 15
NIDR, The National Caries Program	March 1
NHLBI, Comprehensive Sickle Cell Centers (Letter of Intent Requested by January 1, 1981)	April 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	February 1
Fogarty International Center, Research Fellowship to Sweden, Switzerland, and France	December 1
NIA, Geriatric Dentistry Academic Award	March 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	March 1
NIOHS, Occupational Cutaneous Hazards and Diseases	March 1
NCI, Smoking, Cancer and Health Program:	
Research Grants	March 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants	February 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	February 1
Institutional Training Grant	February 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 6
<u>National Center for Health Services Research</u>	
Research Management Series - Research Priorities	Open
<u>Health Resources Administration</u>	
Health Careers Opportunity Program	December 11
<u>Food and Drug Administration</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
<u>National Institute of Education</u>	
Program of Research Grants on Teaching and Learning	January 27
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 25

Major Grants (Elementary/Secondary Desegregation)	
Preapplication	November 25
Application	April 1
Major Grants (Higher Education Desegregation)	
Preapplication	April 1
Application	September 17
Research on Organizational Processes in Education:	
Preapplication	December 11
Application	April 9
Small Grant	December 11
Program of Research Grants on Law and Government Studies in Education:	
Preapplication	March 3
Application	September 10
Small Grant	March 3
Unsolicited Proposals Prior to (First Round)	January 3
Unsolicited Proposals Prior to (Second Round)	June 30
Program of Grants for Research on Institutions of Postsecondary Education:	
Preapplication	March 25
Application	October 6
Small Grant	March 25

Department of Education

Field Initiated Research, Continuations Only	120 days prior to current budget period ending date
Student Research, Cycle 2 FY'81	March 17
Bilingual Education-Fellowship Program, Continuations Only	March 12
Bilingual Education-Fellowship Program, New	November 10
Metric Education Program	November 25
Fund for the Improvement of Postsecondary Education, Renewals	November 25
Biomedical Sciences Program, Continuation, 12/1/80; New	January 30
Media Research, Production, Distribution and Training Program	December 16
Ethnic Heritage Program	December 22
Bilingual Vocational Training Program	December 22
Bilingual Vocational Instructor Program	December 22
Fund for the Improvement of Postsecondary Education, New:	
Preapplication	January 6
Application	March 24
Handicapped Children's Early Education Demonstration Project, Continuations	January 7
Bilingual Education - Basic Projects, Continuations, 1/16/81; New	January 12
Bilingual Education-Material Development	January 12
Bilingual Education-Demonstration	January 12
Bilingual Education-School of Education	January 12
Fund for the Improvement of Postsecondary Education:	
Unemployed Youth-A Postsecondary Response	January 20
Regional Education Programs for Deaf and Other Handicapped Persons	January 30
Basic Skills Improvement-Basic Skills in School Program, Continuations	January 30

Consumer's Education Program	February 2
Fund for the Improvement of Postsecondary Education, Continuations	February 10
Gifted and Talented Children's Education Program - Professional Development	February 17
Gifted and Talented Children's Education Program - Discretionary Program for Model Education	February 17
Bilingual Education - Fellowship Program, Continuations	March 12
Handicapped Children's Early Education Program-Outreach	March 2
Teacher Corps Program '78, Continuations	March 23
Women's Educational Equity Act, Continuations	April 1
Law-Related Education Program, Continuations	April 13

Office of Human Development Services

Child Welfare Research and Demonstration Projects	December 1
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Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	December 1
Computer Science Equipment. Contact: Mr. Kent Curtis, Division of Mathematical and Computer Sciences (202) 357-9746.	December 1
Coordinated Experimental Computer Science. Contact: Dr. W. Richards Adrian, Division of Mathematical and Computer Sciences (202) 357-9511.	December 1
Engineering and Earthquake Hazards Mitigation Research Initiation Grants. Contact: Dr. William Butcher, Division of Problem-Focused Research (202) 357-9834.	December 1
Travel to India and Pakistan under special foreign currency, for travel between April 1 and June 30, 1981. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	December 1
Research Apprenticeships for Minority High School Students (Brochure SE 80-20M). Contact: Ms. Mary Kohlerman, Division of Scientific Personnel Improvement (202) 282-7150.	December 5
Minority Institution Graduate Traineeships (Brochure SE 81-15). Contact: Dr. William Adams, Division of Scientific Personnel Improvement (202) 282-7154.	December 12

Applied Social and Behavioral Sciences Research Initiation Grants. Contact: Dr. Charles Brownstein, Division of Applied Research (202) 357-7538.	December 15
Science Faculty Professional Development (Brochure SE 81-28). Contact: Dr. Michael Frodyma, Division of Scientific Personnel Improvement (202) 282-7795.	January 5
Women in Science-Science Career Workshops (Brochure SE 81-26) Contact: Ms. M. Joan Callanan, Division of Scientific Personnel Improvement (202) 282-7150.	January 8
Women in Science-Science Career Facilitation Projects (Brochure SE 81-26) Contact: Ms. M. Joan Callanan, Division of Scientific Personnel Improvement (202) 282-7150.	January 8
Information Dissemination for Science Education (Brochure SE 81-33). Contact: Dr. Charles Wallace, Division of Science Education Resources Improvement (202) 282-7950.	January 14
Mathematical Sciences Postdoctoral Research Fellowships. Contact: Dr. Alvin Thaler, Division of Mathematical and Computer Sciences (202) 357-9764.	February 1
Ethics and Values in Science and Technology - Interdisciplinary Incentive Awards (Brochure SE 81-62A). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	February 2
Ethics and Values in Science and Technology-Sustained Development Awards (Brochure SE 81-62B). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	February 2
Special Research Initiation Awards for New Investigators in Information Science. Contact: Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569.	February 4
Instructional Scientific Equipment (Brochure SE 80-32). Contact: Dr. John Maccini, Division of Science Education Resources Improvement (202) 282-7033.	February 27
Swiss National Science Foundation Fellowships. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	February 28
Travel to India and Pakistan under special foreign currency for travel between July 1 and September 30, 1981. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	March 1
Science in Developing Countries. (Brochure NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	March 1
U.S.-India Exchange of Scientists (Brochure NSF 78-66). Contact: Ms. Hildegard Kramer, Division of International Programs (202) 357-9550.	March 15
U.S.-Australia Cooperative Science. Proposals for long- or short-term research visits and for seminars/workshops commencing within January 1, and June 30 of following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1

- U.S.-Japan Cooperative Science. Proposals for cooperative research projects (Deadline does not apply to cooperative research proposals in areas of marine biology or food productivity). Contact: Dr. Stephen Mosier, Division of International Programs (202) 357-9537. April 1
- U.S.-New Zealand Cooperative Science. Proposals for long- or short-term research visits commencing within January 1 and June 30 of the following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. April 1
- U.S.-New Zealand Cooperative Science. Proposals for a workshop/seminar to be held in 1982. Priority consideration given to ocean science. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. April 1
- Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770. April 1
- U.S.-Latin America and Caribbean Cooperative Science. Proposals for cooperative research, scientific workshops and scientific visits (Brochure NSF 80-52). Contact: Dr. Eduardo Feller, Ms. Christine French, Dr. Edward Finn, Division of International Programs (202) 357-9563. May 1
- West European Regional Programs-Germany and Switzerland. Sabbatical travel in fall semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554. May 1
- U.S.-France Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554. May 15
- U.S.-Belgium Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554. May 15
- Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550. June 1
- Oceanographic Facilities and Support. Contact: Ms. Mary Johrde, Division of Ocean Sciences (202) 357-7837. July 1
- U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613. July 1
- Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791. July 15
- West European Regional Programs-Germany and Switzerland. Sabbatical travel in spring semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554. August 1

Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	August 1
U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9500.	September 1
Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegrad Kramer, Division of International Programs (202) 357-9550.	September 15
West European Regional Programs-Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554).	November 1
U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Analysis of Science Resources: Personnel, Funding, Impacts and Outputs (Brochure NSF 80-19). Contact: Science Resources Studies: Personnel and Related Areas: Mr. Morris Cobern (202) 634-4655. Science and Technology Funding: Mr. Norman Friedman (202) 634-4625. Science and Technology Outputs: Dr. Donald Buzzelli (202) 634-4682.	November 15
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	December 1

Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	December 1
Political Science. Contact: Dr. Gerald Wright Jr., Division of Social and Economic Science (202) 357-9406.	December 1
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	December 1
Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	December 1
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	December 31
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	December 31
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	January 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	January 2
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7534.	January 5
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	January 5
Science for Citizens-Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachele Hollander, Office of Science and Society (202) 282-7770.	January 15
Science for Citizens-Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Dr. Rachele Hollander, Office of Science and Society (202) 282-7770.	January 15
Public Understanding of Science. Preliminary Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	January 31
Measurement Methods and Data Resources. Contact: Mr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	January 31
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	February 1
Coordinated Ocean Research and Exploration Projects. Contact: Dr. M. Grant Gross (202) 357-9639 or Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	February 1
Policy, Research and Analysis. For fall 1981 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	February 1
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	February 2
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	February 2

Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	February 2
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	February 2
Cellular Physiology. Contact: Dr. Norman Cohn. Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	February 2
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	February 2
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	February 2
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	February 2
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	February 2
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	February 15
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	March 1
Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	March 1
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	March 1
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7534.	March 13
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	March 13
Science and Technology to Aid the Physically Handicapped. Contact: Dr. Donald McNeal, Division of Problem-Focused Research (202) 357-7734.	March 25
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	April 1
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	April 30
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	May 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	May 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	May 1
Policy, Research and Analysis. For winter 1981 and spring 1982 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	May 30

Public Understanding of Science. Preliminary proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	May 31
United States Antarctic Research. Proposal preparation kit must be obtained and used. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	June 1
Science for Citizens. Public Service Science Centers. Preliminary proposals (Brochure SE 80-64). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	June 2
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	June 15
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	July 1
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	July 1
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	July 1
Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	July 1
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	July 1
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1
Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	July 15
Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734.	July 17
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	July 17
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	August 1

Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	September 1
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	September 1
Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	September 1
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	September 30
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	September 30
U.S.-Italy Cooperative Science. Contact: Ms. Marilyn Rurak, Division of International Programs (202) 357-7554.	November 1

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. Contact: Division of Behavioral and Neural Sciences (202) 357-7564. *

Behavioral and Neural Sciences: Doctoral Dissertation Research Proposals. Contact: Division of Behavioral and Neural Sciences (202) 357-7564. *

Development in Science Education (DISE). (Brochure SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (202) 282-7910. *

Environmental Biology: Doctoral Dissertation Research Proposals. Contact: Division of Environmental Biology (202) 357-7332. *

Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, Systematic Biology, and Biological Research Resources. Contact: Division of Environmental Biology (202) 357-7332.

Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technology (202) 357-9572.

Research in Science Education (RISE). (Brochure SE 80-55). Contact: Dr. Rita Peterson, Division of Science Education Development and Research (202) 282-7745.

Social and Economic Science: Doctoral Dissertation Research Proposals. Contact: Division of Social and Economic Science (202) 357-7967.

U.S.-East Asia Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (202) 357-9537.

East European Cooperative Science. Proposals for joint research projects or for joint seminars (six months advance notice); Proposals for short-term visits (three months advance notice). Contact: Ms. Deborah Wince, Division of International Programs (202) 357-9516.

U.S.-India Cooperative Science. (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402.

U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537.

U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558.

U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402.

U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537.

U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537.

PRIVATE

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

American Council of Learned Societies	
East European Studies	December 1
Grants-in-Aid	December 15
Mellon Fellowships for Chinese Studies--Summer Language Grants	January 1
American Heart Association--Minnesota Affiliate	
Fellowships (postmark deadline) (Please note:	November 15
Grants-in-Aid (postmark deadline) weekend dates)	November 30
American Legion Child Welfare Foundation, Inc.	Between January 1 and March 31
American Lung Association	
Research Grants	December 1
Cystic Fibrosis Foundation	
New Investigator Research Grants	February 1
Research Grants	February 1
Student Traineeships	February 1
IREX (International Research and Exchange Board with Socialist Countries)--Several Programs	January 1
Minnesota Humanities Commission	January 15
Minnesota Medical Foundation	December 31
National Multiple Sclerosis Society	
Research Grants	January 15
Postdoctoral Fellowships	Prior to January 15
Junior Faculty Awards	Prior to January 15
Pharmaceutical Manufacturers Association Foundation, Inc.	
Fellowship Awards in Pharmacology and Morphology	January 15
Developmental Grants for Clinical Pharmacology Units	January 15
Runyon-Winchell Cancer Fund	
Fellowships	December 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

Office of Research Administration
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St. Paul, Minnesota 55114

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ORA RDC Newsletter

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December 1980

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ORA STAFF CHANGES

Ms. Judy Volinkaty has been appointed as a grant administrator in the ORA, replacing Ms. Marianne Sturtevant who has retired from the University. Ms. Volinkaty will be responsible for assisting departments in preparing proposal budgets, reviewing proposals, and administering awards in the area of private foundations, associations, and industry. She can be contacted at 373-0773.

COURSE ON DEVELOPMENT AND FUNDING OF RESEARCH PROPOSALS

A graduate seminar emphasizing the development and funding of research proposals will be offered Winter Quarter on Thursday evenings from 7-10 p.m. Sociology 8-802 (3 credits) reviews the alternatives for funding, problems concerned with preparing fully developed proposals, and the supervision and administration of research endeavors. Course requirements involve reading background material, participation in seminar discussions, and the preparation (and class presentation) of a complete research proposal, ready for submission to a funding agency. Outside speakers will make some class presentations. Class size is limited to 15 and permission of the instructor is required; contact Paul Reynolds, Sociology, 373-3268.

NIH EXTRAMURAL PROGRAMS PUBLICATION AVAILABLE

NIH has generated a brochure which is a compendium of the scientific programs of the NIH components that award grants and contracts. The brochure indicates current areas of research emphasis, highlights special interests of awarding components, and identifies specific NIH offices that may be contacted for further information. Copies of this brochure will be mailed directly by NIH to all principal investigators of current NIH grants and contracts. ORA has a limited number of copies available at 373-5925. A copy may be obtained from NIH by writing to: Office of Grant Inquiries, Division of Research Grants, Re: Publication No. 80-33, NIH, Bethesda, MD 20205.

NHLBI ISSUES PROGRAM AREA ANNOUNCEMENT

NHLBI has recently announced, in the NIH Guide, a summary statement relating to research, training and development programs and types of awards available from the Division of Heart and Vascular Diseases, which is intended to be helpful to potential applicants. Information may be found in NIH Guide, Vol. 9, No. 13, October 31, 1980, or a copy can be obtained from ORA at 373-5925.

**DIVISION OF SPECIAL MENTAL HEALTH
PROGRAMS; PROGRAM STATEMENT 1980-81**

health programs for 1980-81. A copy of his brochure may be obtained from ORA at 373-5925.

ORA has recently received ADAMHA Publication No. (ADM) 80-818 which provides an overview of special mental

NASA PROGRAM BROCHURE

entitled, "The University Program: A Guide to Policies and Procedures," is available from the ORA by calling 373-2771.

A National Aeronautics and Space Administration program brochure

**FORD FOUNDATION
POSTDOCTORAL FELLOWSHIPS**

and Soviet-East European Area Studies. Scholars and analysts now specializing in one of the areas who wish to develop an expertise in the other are eligible for support under this program. Awards will be for a period of one year; individuals may reapply for awards in subsequent years. Application Deadline: January 1, 1981. Applications are available from the Fellowship Program in Dual Expertise, Office of European and International Affairs, The Ford Foundation, 320 East 43rd Street, New York, NY 10017.

The Ford Foundation has announced fellowships in the combined fields of International Security and Arms Control

**UNIVERSITY OF PITTSBURGH
ANDREW MELLON POSTDOCTORAL
FELLOWSHIPS**

intended to foster the professional development of young scholars who give promise of achieving distinction in their fields. Application Deadline: January 15, 1981. Further information and applications are available from the Graduate Fellowship Office, 422 Johnston Hall, 373-2833.

Fellowships are available for advanced study and research in various fields of the humanities, social sciences, and the natural sciences. They are

**SMITHSONIAN POSTDOCTORAL
FELLOWSHIPS**

biological sciences, history of art, history of science and technology, earth sciences, social and cultural history, anthropology. Application Deadline: January 15, 1981. Further information and applications are available from the Office of Fellowships and Grants, Smithsonian Institution, Room 3300, L'Enfant Plaza, Washington, DC 20560.

Postdoctoral fellowships of six months to one year are available for research training in the following areas:

ARGONNE NATIONAL LABORATORY

faculty research and teaching capability in the following areas: physical and life sciences, mathematics, computer science, and engineering. Financial assistance is available to U.S. citizens. Application Deadline: January 16, 1981. Further information is available from the Graduate Fellowship Office or Argonne Division of Educational Programs, Faculty Research Participation, 9700 South Cass Avenue, Argonne, IL 60439.

Faculty research participation appointments are available to stimulate

NEW FULBRIGHT RESEARCH AWARDS

Fulbright Research Awards in Africa
(any field) and Islamic civilization

have recently been made available to scholars who are U.S. citizens, hold a Ph.D., and have appropriate language proficiency. (1) Research on some aspect of Islamic civilization, historical or contemporary, may be conducted in one or more countries of Africa, Asia, and the Middle East. Grant periods are from three to nine months. (2) Research in Africa (not including Angola, Ethiopia or South Africa) may be carried out in any field. Application Deadline: January 2, 1981. Additional information and applications are available from the Council for International Exchange of Scholars, Eleven Dupont Circle N.W., Washington, DC 20036 (202) 833-4976.

NEWBERRY LIBRARY FELLOWSHIPS

(1) National Endowment for the
Humanities Fellowships are available

for postdoctoral scholars who wish to spend from six to eleven months in residence at the Newberry Library. Applicants must be U.S. citizens or nationals, or foreign nationals who have been living in the U.S. for at least three years, and must be pursuing research in a field appropriate to the Newberry's collections. (The Library has a strong general collection focusing on the humanities within Western Civilization from the late Middle Ages to the early twentieth century.) Application Deadline: January 15, 1981.

(2) Short-term Resident Fellowships for Individual Research; up to two months in residence at the Library. Applicants must have a Ph.D. or have completed all requirements except the dissertation. Application Deadlines: March 1 or October 15, 1981.

(3) Ford Foundation Postdoctoral Fellowships for Minorities are available for work at the Newberry by Black Americans, Mexican Americans/Chicanos, Puerto Ricans, and American Indians. Applicants should request information from the National Research Council, 2101 Constitution Ave., Washington, DC 20418 in time to apply by February 2, 1981.

(4) Monticello College Foundation Fellowship for Women is available for six months work at the Newberry. Applicants must have a Ph.D. Preference will be given to applicants whose scholarship is particularly concerned with the study of women. Application Deadline: March 1, 1981.

(5) Resident Fellowships for Research in Special Newberry programs are available for postdoctoral and predoctoral applicants. Application Deadline: February 1, 1981.

(6) The Center for Renaissance Studies is offering ten postdoctoral fellowships to participate in a summer institute. Application Deadline: March 1, 1981.

(7) Newberry-British Academy Fellowship for study in Great Britain. An exchange fellowship is available for three months study in Great Britain in any field in the humanities in which the Newberry's collections are strong. Application Deadline: March 1, 1981.

Further information on Newberry Library Fellowships is available from the Committee on Awards, The Newberry Library, 60 West Walton St., Chicago, IL 60610, or from the Graduate Fellowship Office, 422 Johnston Hall, 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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	March 1
NIAID, New Investigator Research in Clinical Immunology and Virology	March 1
NINCDS/NIAID/NIAMDD/NICHD: Research Grants Related to Reye's Syndrome	March 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	March 1
DRR, Biotechnology Resources Program	February 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and Systems Degenerations, Research Grants	March 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	March 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NICHD, Developmental Aspects of Behavior and Nutrition	March 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	March 1
NIAMDD, Liver Diseases Research	March 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	February 1
Research Grants	March 1
NCI, Cancer Centers Support Grant Program	February 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1

NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings	Open
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NCHCT, Assessment of Health Care Technologies	March 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	March 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	March 1
NCI, Cancer Patient Compliance with Therapeutic Regimens (RFA)	January 15
NIDR, The National Caries Program	March 1
NHLBI, Comprehensive Sickle Cell Centers (Letter of Intent Requested by January 1, 1981)	April 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	February 1
NIA, Geriatric Dentistry Academic Award	March 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	March 1
NIOHS, Occupational Cutaneous Hazards and Diseases	March 1
NCI, Smoking, Cancer and Health Program:	
Research Grants	March 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants	February 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	February 1
Institutional Training Grant	February 1
NIDR, Periodontal Diseases: (1) Microbiology, (2) Inflammatory and Immune Responses, (3) Prevention, Diagnosis, and Treatment, (4) Tissue Structure and Metabolism	March 1
NIDR, Craniofacial Anomalies Program: (1) Malocclusion, (2) Cleft Lip and Palate, (3) Craniofacial Syndromes, (4) Acquired Craniofacial Disfigurement	March 1
NIDR, Restorative Materials Program: (1) Dental Restorative Materials, (2) Adhesive Sealants, (3) Prosthetics, (4) Implants and Transplants, (5) Endodontics, (6) Instrumentation	March 1
NIDR, Pain Control and Behavioral Studies Program	March 1
NIDR, Dental Research Institutes and Centers	February 1
NIDR, Soft Tissue Stomatology and Nutrition Program:	
(1) Nutrition, (2) Oral Cancer, (3) Oral Ulcerative Diseases, (4) Salivary Secretions (5) Disorders of the Dental Pulp, (6) Mineralization	March 1
NIGMS, Physiology and Biomedical Engineering Program	March 1
NIGMS, Pharmacological Sciences Research Program	March 1
NIGMS, Genetics Research Program	March 1
NIGMS, Cellular and Molecular Basis of Disease Program	March 1

NIEHS, Prediction, Detection, and Assessment of Environmental Disorders	March 1
NIEHS, Mechanisms of Environmental Diseases and Disorders	March 1
NIEHS, Environmental Health Research and Manpower Development Resources: (1) Environmental Health Sciences Centers, (2) Marine and Freshwater Biomedical Centers, (3) Research Manpower Development Program	March 1
NIH, Division of Research Resources, Biomedical Research Support Grants FY '81	January 1
NIGMS, NIGMS Shared Instrumentation Grants	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	March 1
NIEHS, RFA-NIH-NIEHS-EP-81-1: Alternative Designs of Standard Cancer Bioassay	January 5
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	March 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 6
Health Financing Projects; Alcoholism Services	January 15
<u>National Center for Health Services Research</u>	
Research Management Series - Research Priorities	Open
<u>Health Resources Administration</u>	
Health Careers Opportunity Program	December 11
Public Health Special Project Grants	January 9
Grants for Residency Training in the General Practice of Dentistry	December 12
<u>Food and Drug Administration</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
<u>National Institute of Education</u>	
Program of Research Grants on Teaching and Learning	January 27
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24 '81
Major Grants (Elementary/Secondary Desegregation) Preapplication	November 24 '81
Application	April 1
Major Grants (Higher Education Desegregation) Preapplication	April 1
Application	September 17

Research on Organizational Processes in Education:	
Preapplication	December 11
Application	April 9
Small Grant	December 11
Program of Research Grants on Law and Government Studies in Education:	
Preapplication	March 3
Application	September 10
Small Grant	March 3
Unsolicited Proposals	Prior to (First Round)
Unsolicited Proposals	Prior to (Second Round)
Small Grant	January 3
Application	June 30
Program of Grants for Research on Institutions of Postsecondary Education:	
Preapplication	March 25
Application	October 6
Small Grant	March 25

Department of Education

Field Initiated Research, Continuations Only	120 days prior to current budget period ending date
Student Research, Cycle 2 FY'81	March 17
Bilingual Education-Fellowship Program Continuations Only	March 12
Biomedical Sciences Program Continuation, 12/1/80; New	January 30
Media Research, Production, Distribution and Training Program	December 16
Ethnic Heritage Program	December 22
Bilingual Vocational Training Program	December 22
Bilingual Vocational Instructor Program	December 22
Fund for the Improvement of Postsecondary Education, New:	
Preapplication	January 6
Application	March 24
Handicapped Children's Early Education Demonstration Project Continuations	January 7
Bilingual Education - Basic Projects, Continuations, 1/16/81 New	January 12
Bilingual Education-Material Development	January 12
Bilingual Education-Demonstration	January 12
Bilingual Education-School of Education	January 12
Fund for the Improvement of Postsecondary Education:	
Unemployed Youth-A Postsecondary Response	January 20
Regional Education Programs for Deaf and Other Handicapped Persons	January 30
Basic Skills Improvement-Basic Skills in School Program Continuations	January 30
Consumer's Education Program	February 2
Fund for the Improvement of Postsecondary Education Continuations	February 10
Gifted and Talented Children's Education Program - Professional Development	February 17
Gifted and Talented Children's Education Program - Discretionary Program for Model Education	February 17
Bilingual Education - Fellowship Program (Continuations)	March 12
Handicapped Children's Early Education Program-Outreach	March 2

Teacher Corps Program '78 Continuations	March 23
Women's Educational Equity Act Continuations	April 1
Law-Related Education Program Continuations	April 13
Handicapped Children's Model Program	January 5
Bilingual Education-Training Projects Program (Continuations)	March 30
Bilingual Education-Support Services Projects Program: Bilingual Education Service Centers (Continuations)	March 30
Bilingual Education-Support Services Projects Program: Evaluation, Dissemination, and Assessment Centers (Continuations)	March 30
Bilingual Education-Materials Development Projects Program (Continuations)	March 30
Bilingual Education-School of Education Projects (Continuation)	March 30
Bilingual Education-Demonstration Projects Program (Continuation)	March 30
School Based Research	December 19
Research Integration Projects	December 19
Assessment Research Projects	January 9
Nonvocal Communication Research	January 9
Technology Utilization Research	January 9
Youth Employment Research	January 23
Ethnic or Racial Group Handicapped Research	January 23
Field Initiated Research	February 6
Handicapped Children's Model Program (Continuations)	March 12
Teacher Corps Program '79 (Continuations)	March 2
Strengthening Developing Institutions Program (New and Continuations)	January 19

Health Services Administration

Maternal and Child Health and Crippled Children's Services Project Grants to Institutions of Higher Learning	January 16
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Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Science Faculty Professional Development (Brochure SE 81-28). Contact: Dr. Michael Frodyma, Division of Scientific Personnel Improvement (202) 282-7795.	January 5
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Women in Science-Science Career Workshops (Brochure SE 81-26) Contact: Ms. M. Joan Callanan, Division of Scientific Personnel Improvement (202) 282-7150.	January 8
Women in Science-Science Career Facilitation Projects (Brochure SE 81-26) Contact: Ms. M. Joan Callanan, Division of Scientific Personnel Improvement (202) 282-7150.	January 8
Information Dissemination for Science Education (Brochure SE 81-33). Contact: Dr. Charles Wallace, Division of Science Education Resources Improvement (202) 282-7950.	January 14
Mathematical Sciences Postdoctoral Research Fellowships. Contact: Dr. Alvin Thaler, Division of Mathematical and Computer Sciences (202) 357-9764.	February 1
Ethics and Values in Science and Technology - Interdisciplinary Incentive Awards (Brochure SE 81-62A). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	February 2
Ethics and Values in Science and Technology-Sustained Development Awards (Brochure SE 81-62B). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	February 2
Special Research Initiation Awards for New Investigators in Information Science. Contact: Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569.	February 4
Instructional Scientific Equipment (Brochure SE 80-32). Contact: Dr. John Maccini, Division of Science Education Resources Improvement (202) 282-7033.	February 27
Swiss National Science Foundation Fellowships. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	February 28
Travel to India and Pakistan under special foreign currency for travel between July 1 and September 30, 1981. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	March 1
Science in Developing Countries. (Brochure NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	March 1
U.S.-India Exchange of Scientists (Brochure NSF 78-66). Contact: Ms. Hildegard Kramer, Division of International Programs (202) 357-9550.	March 15
U.S.-Australia Cooperative Science. Proposals for long- or short-term research visits and for seminars/workshops commencing within January 1, and June 30 of following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1
U.S.-Japan Cooperative Science. Proposals for cooperative research projects (Deadline does not apply to cooperative research proposals in areas of marine biology or food productivity). Contact: Dr. Stephen Mosier, Division of International Programs (202) 357-9537.	April 1

U.S.-New Zealand Cooperative Science. Proposals for long-
or short-term research visits commencing within January
1 and June 30 of the following year. Contact: Mr. Alan
Milsap, Division of International Programs
(202) 357-9558. April 1

U.S.-New Zealand Cooperative Science. Proposals for a
workshop/seminar to be held in 1982. Priority con-
sideration given to ocean science. Contact: Mr. Alan
Milsap, Division of International Programs
(202) 357-9558. April 1

Public Understanding of Science. Formal Proposals
(Brochure SE 79-60). Contact: Dr. Jean Intermaggio,
Office of Science and Society (202) 282-7770. April 1

U.S.-Latin America and Caribbean Cooperative Science.
Proposals for cooperative research, scientific workshops
and scientific visits (Brochure NSF 80-52). Contact:
Dr. Eduardo Feller, Ms. Christine French, Dr. Edward
Finn, Division of International Programs (202) 357-9563. May 1

West European Regional Programs-Germany and Switzerland.
Sabbatical travel in fall semester. Contact:
Mr. Sidney Smith, Division of International Programs
(202) 357-7554. May 1

U.S.-France Cooperation in Science. Cooperative research
and joint seminars. Long-term research travel support
(for awards to be made for the fall semester).
Contact: Mr. Henryk Uznanski, Division of International
Programs (202) 357-7554. May 15

U.S.-Belgium Cooperation in Science. Cooperative research
and joint seminars. Long-term research travel support
(for awards to be made for the fall semester). Contact:
Mr. Henryk Uznanski, Division of International Programs
(202) 357-7554. May 15

Travel to India and Pakistan under special foreign
currency. Contact: Mr. Karl Olsoni, Division of
International Programs (202) 357-9550. June 1

Oceanographic Facilities and Support. Contact: Ms. Mary
Johrde, Division of Ocean Sciences (202) 357-7837. July 1

U.S.-Israel Binational Science Foundation (BSF)
Cooperative Research. Deadline applies to receipt of
proposals by BSF office in Jerusalem. Do not send them
to NSF. Contact: Dr. R. Ronkin, Division of
International Programs (202) 357-7613. July 1

Materials Research Laboratories. Contact: Dr. Roman
Wasilewski, Division of Materials Research
(202) 357-9791. July 15

West European Regional Programs-Germany and Switzerland.
Sabbatical travel in spring semester. Contact:
Mr. Sidney Smith, Division of International Programs
(202) 357-7554. August 1

Public Understanding of Science. Formal Proposals
(Brochure SE 79-60). Contact: Dr. Jean Intermaggio,
Office of Science and Society (202) 282-7770. August 1

U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9500.	September 1
Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegrad Kramer, Division of International Programs (202) 357-9550.	September 15
West European Regional Programs-Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554).	November 1
U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Analysis of Science Resources: Personnel, Funding, Impacts and Outputs (Brochure NSF 80-19). Contact: Science Resources Studies: Personnel and Related Areas: Mr. Morris Cobern (202) 634-4655. Science and Technology Funding: Mr. Norman Friedman (202) 634-4625. Science and Technology Outputs: Dr. Donald Buzzelli (202) 634-4682.	November 15
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	December 1
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	December 1

Political Science. Contact: Dr. Gerald Wright Jr., Division of Social and Economic Science (202) 357-9406.	December 1
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	December 1
Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	December 1
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	December 31
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	December 31
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	January 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	January 2
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7534.	January 5
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	January 5
Science for Citizens-Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	January 15
Science for Citizens-Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	January 15
Public Understanding of Science. Preliminary Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	January 31
Measurement Methods and Data Resources. Contact: Mr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	January 31
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	February 1
Coordinated Ocean Research and Exploration Projects. Contact: Dr. M. Grant Gross (202) 357-9639 or Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	February 1
Policy, Research and Analysis. For fall 1981 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	February 1
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	February 2
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	February 2
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	February 2

Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	February 2
Cellular Physiology. Contact: Dr. Norman Cohn. Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	February 2
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	February 2
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	February 2
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	February 2
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	February 2
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	February 15
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	March 1
Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	March 1
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	March 1
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7534.	March 13
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	March 13
Science and Technology to Aid the Physically Handicapped. Contact: Dr. Donald McNeal, Division of Problem-Focused Research (202) 357-7734.	March 25
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	April 1
Biological Instrumentation. Contact: Dr. Larry Fallor, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	April 30
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	May 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	May 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	May 1
Policy, Research and Analysis. For winter 1981 and spring 1982 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	May 30

Public Understanding of Science. Preliminary proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770. May 31

United States Antarctic Research. Proposal preparation kit must be obtained and used. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817. June 1

Science for Citizens. Public Service Science Centers. Preliminary proposals (Brochure SE 80-64). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770. June 2

Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924. June 15

Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904. July 1

Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945. July 1

Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474. July 1

Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905. July 1

Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989. July 1

Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687. July 1

Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987. July 1

Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975. July 1

Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913. July 15

Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770. July 15

Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770. July 15

Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734. July 17

Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534. July 17

Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892. August 1

Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	September 1
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	September 1
Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	September 1
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	September 30
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	September 30
U.S.-Italy Cooperative Science. Contact: Ms. Marilyn Rurak, Division of International Programs (202) 357-7554.	November 1

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. Contact: Division of Behavioral and Neural Sciences (202) 357-7564. *

Behavioral and Neural Sciences: Doctoral Dissertation Research Proposals. Contact: Division of Behavioral and Neural Sciences (202) 357-7564. *

Development in Science Education (DISE). (Brochure SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (202) 282-7910. *

Environmental Biology: Doctoral Dissertation Research Proposals. Contact: Division of Environmental Biology (202) 357-7332. *

Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, Systematic Biology, and Biological Research Resources. Contact: Division of Environmental Biology (202) 357-7332. *

Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technology (202) 357-9572. *

Research in Science Education (RISE). (Brochure SE 80-55). Contact: Dr. Rita Peterson, Division of Science Education Development and Research (202) 282-7745. *

Social and Economic Science: Doctoral Dissertation Research Proposals. Contact: Division of Social and Economic Science (202) 357-7967. *

U.S.-East Asia Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (202) 357-9537. *

East European Cooperative Science. Proposals for joint research projects or for joint seminars (six months advance notice); Proposals for short-term visits (three months advance notice). Contact: Ms. Deborah Wince, Division of International Programs (202) 357-9516. *

U.S.-India Cooperative Science. (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *

U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537. *

U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. *

U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *

U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

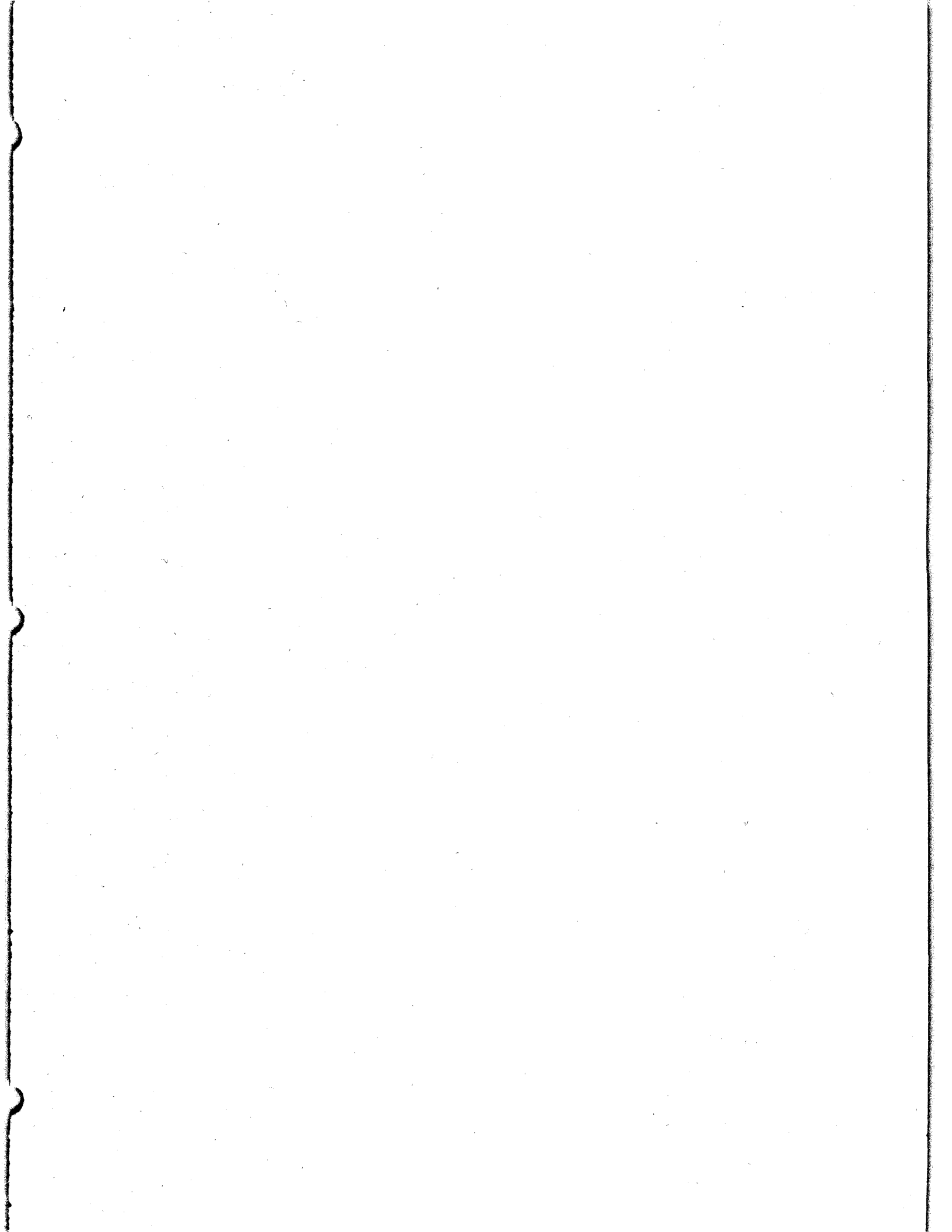
U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

PRIVATE

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

American Cancer Society	
Post-doctoral Fellowships	March 1
Junior Faculty Research Awards	March 1
Faculty Research Awards	March 1
Scholars in Cancer Research	March 1
Research Professorships	March 1
American Council of Learned Societies	
Grants-in-Aid	December 15
Mellon Fellowships for Chinese Studies-Summer Language Grants	January 1
American Diabetes Association	
Research and Development Awards (postmark deadline)	March 13
Research Grants	February 13
American Legion Child Welfare Foundation, Inc.	Between January 1 and March 31
Arthritis Foundation-Minnesota Chapter	February 15
Cystic Fibrosis Foundation	
New Investigator Research Grants	February 1
Research Grants	February 1
Student Traineeships	February 1
IREX (International Research and Exchange Board with Socialist Countries)--Several Programs	January 1
Juvenile Diabetes Foundation	March 1
Minnesota Humanities Commission	January 15 & March 15
Minnesota Medical Foundation	December 31 & March 31
National Multiple Sclerosis Society	
Research Grants	January 15
Postdoctoral Fellowships	Prior to January 15
Junior Faculty Awards	Prior to January 15
Pharmaceutical Manufacturers Association Foundation, Inc.	
Fellowship Awards in Pharmacology and Morphology	January 15
Developmental Grants for Clinical Pharmacology Units	January 15
Runyon-Winchell Cancer Fund	
Fellowships	December 15 & March 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.



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St. Paul, Minnesota 55114

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PROCEDURAL CHANGE IN REPORT OF EXPENDITURE (ROE) PREPARATION - NIH

In accordance with the change in project period system announced by NIH (January 25, 1980), the ORA will now report unliquidated obligations as a

"carry-forward" to the renewal award on the ROE. Previously, the ROE was not submitted until all obligations had cleared. This change is applicable to all NIH grants reflecting a 4/30/79 ending date or later. Questions regarding this reporting change should be addressed to Marilyn Surbey, 376-8165.

"REMINDER" - PROCESSING NIH PROPOSALS

It is requested that special attention be paid to instructions contained in the PHS 2590-1 and/or PHS-398 proposal

kits. Special attention should be made to the request not to bind or staple the application or copies. Attention to this particular request will facilitate handling of the proposal by ORA.

"REMINDER" - REVISED APPLICATIONS - NIH

The latest instructions (10/79) for PHS 398, Grant Applications, state the following for revised applications:

"When a revised application is submitted to replace a prior version, provide a statement before the RESEARCH PLAN of the application specifying what significant changes have been made. Include additions, deletions, revisions, and responses to criticisms in the previous summary statement. These changes must be further identified by appropriate underlining, indenting or changing of typography within the text. When a COMPETING CONTINUATION or SUPPLEMENTAL application has been revised, the PROGRESS REPORT should incorporate any work done since the prior version was submitted."

If a revised application does not satisfy these requirements, the Referral Branch of the Division of Research Grants will return the application without further review.

NEH ADOPTS NEW POLICY ON GRANT PERIOD EXTENSIONS

The following policies and procedures for extension of grant periods apply to NEH grants: (1) All requests shall be

(a) submitted in writing no later than 30 days prior to the expiration date of the grant, (b) signed by the authorizing official of the grantee institution. (2) Grant periods will not be extended solely to enable grantees to use unexpended funds. (3) Extensions of grant periods will normally not exceed 12 months and only under the most unusual circumstances will a second extension be considered. (4) Requests for up to a 90-day extension require only a brief explanation as to need. (5) Requests for longer than a 90-day extension must be accompanied by (a) a detailed justification for the request, (b) a

work plan for the requested extension period, and (c) an estimate of the unexpended grant funds. (6) All extension requests are to be forwarded to the NEH Grants Office, Mail Stop 200, NEH, Washington, D.C. 20506.

According to the NEH letter of October 17, 1980, this policy will be enforced. Extension requests not conforming to this policy will not be processed without additional information. Only under unusual circumstances will a request submitted in the last 30 days of the grant period be considered.

**NIJ SOLICITATION: FIELD TEST OF
THE DIFFERENTIAL POLICE RESPONSE
TO CALLS FOR SERVICE**

The National Institute of Justice announces a competitive research cooperative agreement program to evaluate a field test of the Differential Police

Response to Calls for Service program. The purpose of this evaluation award is to assess the operations and effectiveness of this program. Key research questions in this evaluation are: (1) to assess the impact of the differential response system on police practices and citizens, and (2) to assess the transferability of the program to other police departments. Draft proposals must be received no later than January 21, 1981. Further information and copies of the solicitation can be obtained by contacting Phil Travers, Office of Program Evaluation, NIH, 633 Indiana Avenue N.W., Washington, D.C. 20531 (301) 492-9085.

**U.S.-SPAIN JOINT COMMITTEE FOR
SCIENTIFIC AND TECHNOLOGICAL
COOPERATION--POSTDOCTORAL RESEARCH
AND SHORT-TERM TRAVEL GRANTS**

Postdoctoral research grants are available for U.S. scientific personnel to carry out research in Spain. Grant terms are from six to twelve months and preference will be given to recent doctorate degree recipients.

Short term travel grants (1-3 months) will be awarded to qualified U.S. scientists for travel to Spain to exchange information on specific research topics or to learn special techniques. Application forms are available from Ms. Gloria Gaston-Shapiro, Bureau of Oceans and International Environmental and Scientific Affairs, Rm. 4330, Department of State, Washington, D.C. 20520.

**FUNDAMENTAL RESEARCH OPPORTUNITIES
DESCRIBED BY AIR FORCE**

Proposals for fundamental scientific research are invited by the U.S. Air Force's Office of Scientific Research

(OSR). This program involves phenomena-oriented investigations in sciences related to Air Force needs. Current areas of OSR interest include Life Sciences, Materials, Geophysics, Aerospace Vehicles, Weaponry and Electronics. Brochures providing program content, objectives and guidelines are available from OFOSR/PKO, Bldg. 410, Bolling AFB, D.C. 20332. For more detailed information by technical areas request "Air Force Systems Command Research Planning Guide (Research Objectives), HQ AFSC TR 80-1," from National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

DEPARTMENT OF ENERGY-
ADVANCED NUCLEAR SYSTEMS
PROGRAMS AND PROJECTS

The objective of this program is to investigate new and novel ideas in the areas connected with isotope separation.

The program awards research contracts based on unsolicited proposals. Disciplines supported include the following: Electrical Engineering, Plasma Physics, Laser Engineering, Optics, Physics, Chemistry. Before beginning work on the proposal, investigators are encouraged to contact Walter Polansky, Director, Advanced Nuclear Systems Programs and Projects, U.S. Department of Energy, B 107, Washinton, D.C. 20545 (301) 353-5147.

DEPARTMENT OF ENERGY-
ALCOHOL FUELS PROGRAM

The bulk of this program is oriented toward the technology of alcohol fuel production at cost-effective levels.

There is some emphasis on the social, economic and environmental effects of alcohol fuels. Disciplines supported include the following: Electro-Chemistry, Microbiology, Chemical Engineering, Physical Chemistry, Genetics, Chemistry, Combustion Chemistry. Unsolicited proposals may be considered anytime. Before drafting the final proposal, investigators should contact Dr. Clayton Smith, Program Director, or Dr. F. V. Morriss, Program Coordinator, Alcohol Fuels Program, Solar Energy Research Institute, 1617 Cole Blvd., Golden, CO 80401, (303) 231-1200 or (303) 231-7179 respectively.

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

Application deadline is January 16, 1981 for the Small Grants Research Program, which is sponsored by the OIP and

awards funds to faculty members for research projects that promise to strengthen the overall competence of the University in the international field.

The OIP 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 appli-

cations must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

FEDERAL

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

National Institutes of Health

Research Grants, New
Research Grants, Renewals

March 1
February 1

NHLBI, Young Investigator Award-Research Grant	March 1
NIAID, New Investigator Research in Clinical Immunology and Virology	March 1
NINCDS/NIAID/NIAMDD/NICHHD: Research Grants Related to Reye's Syndrome	March 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	March 1
DRR, Biotechnology Resources Program	February 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and Systems Degenerations, Research Grants	March 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	March 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NICHHD, Developmental Aspects of Behavior and Nutrition	March 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	March 1
NIAMDD, Liver Diseases Research	March 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	February 1
Research Grants	March 1
NCI, Cancer Centers Support Grant Program	February 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings	Open
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NCHCT, Assessment of Health Care Technologies	March 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	March 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	March 1
NCI, Cancer Patient Compliance with Therapeutic Regimens (RFA)	January 15
NIDR, The National Caries Program	March 1

NHLBI, Comprehensive Sickle Cell Centers (Letter of Intent Requested by January 1, 1981)	April 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	February 1
NIA, Geriatric Dentistry Academic Award	March 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	March 1
NIOHS, Occupational Cutaneous Hazards and Diseases	March 1
NCI, Smoking, Cancer and Health Program:	
Research Grants	March 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants	February 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	February 1
Institutional Training Grant	February 1
NIDR, Periodontal Diseases: (1) Microbiology, (2) Inflammatory and Immune Responses, (3) Prevention, Diagnosis, and Treatment, (4) Tissue Structure and Metabolism	March 1
NIDR, Craniofacial Anomalies Program: (1) Malocclusion, (2) Cleft Lip and Palate, (3) Craniofacial Syndromes, (4) Acquired Craniofacial Disfigurement	March 1
NIDR, Restorative Materials Program: (1) Dental Restorative Materials, (2) Adhesive Sealants, (3) Prosthetics, (4) Implants and Transplants, (5) Endodontics, (6) Instrumentation	March 1
NIDR, Pain Control and Behavioral Studies Program	March 1
NIDR, Dental Research Institutes and Centers	February 1
NIDR, Soft Tissue Stomatology and Nutrition Program:	
(1) Nutrition, (2) Oral Cancer, (3) Oral Ulcerative Diseases, (4) Salivary Secretions (5) Disorders of the Dental Pulp, (6) Mineralization	March 1
NIGMS, Physiology and Biomedical Engineering Program	March 1
NIGMS, Pharmacological Sciences Research Program	March 1
NIGMS, Genetics Research Program	March 1
NIGMS, Cellular and Molecular Basis of Disease Program	March 1
NIEHS, Prediction, Detection, and Assessment of Environmental Disorders	March 1
NIEHS, Mechanisms of Environmental Diseases and Disorders	March 1
NIEHS, Environmental Health Research and Manpower Development Resources: (1) Environmental Health Sciences Centers, (2) Marine and Freshwater Biomedical Centers, (3) Research Manpower Development Program	March 1
NIGMS, NIGMS Shared Instrumentation Grants	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	March 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	March 1
NHLBI, RFA: Animal Models for the Study of the Pathogenesis of Specific Heart Muscle Diseases	February 20
NIAID, RFA: Intestinal Absorption of Reptide Hormones	March 1

NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases	June 1
NCI, Cancer Clinical Treatment Research	March 1
NINCDs, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	March 1
NINCDs, Genetic and Biochemical Bases of Otosclerosis	March 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 6
<u>National Center for Health Services Research</u>	
Research Management Series - Research Priorities	Open
<u>Health Resources Administration</u>	
Graduate Programs in Health Administration	January 9
Traineeships for Graduate Programs in Health Administration	January 9
Allied Health Traineeship Grants for Advanced Training-Training Institutes (Short-term)	February 13
<u>Food and Drug Administration</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
<u>National Institute of Education</u>	
Program of Research Grants on Teaching and Learning	January 27
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24
Major Grants (Elementary/Secondary Desegregation)	
Preapplication	November 24
Application	April 1
Major Grants (Higher Education Desegregation)	
Preapplication	April 1
Application	September 17
Research on Organizational Processes in Education:	
Preapplication	April 9
Application (Preapplication submitted 12/11/80)	April 9/December 10
Small Grant	April 9
Program of Research Grants on Law and Government Studies in Education:	
Preapplication	March 3
Application	September 10
Small Grant	March 3

Unsolicited Proposals	Prior to (First Round)	January 3
Unsolicited Proposals	Prior to (Second Round)	June 30
Program of Grants for Research on Institutions of Postsecondary Education:		
Preapplication		March 25
Application		October 6
Small Grant		March 25
Grants for Research on Knowledge Use and School Improvement:		
Preapplication		May 6
Small Grant		May 6

Department of Education

Field Initiated Research, Continuations Only	120 days prior to current budget period ending date	
Student Research, Cycle 2 FY'81		March 17
Bilingual Education-Fellowship Program Continuations Only		March 12
Biomedical Sciences Program <u>Revised Deadline</u>		Cancelled
Ethnic Heritage Program <u>Revised Deadline</u>		January 8
Bilingual Vocational Training Program <u>Revised Deadline</u>		January 13
Bilingual Vocational Instructor Program <u>Revised Deadline</u>		January 13
Fund for the Improvement of Postsecondary Education, New:		
Preapplication <u>Revised Deadline</u>		January 21
Application		March 24
Bilingual Education - Basic Projects, Continuations, 1/16/81 New, <u>Revised Deadline</u>		February 13
Bilingual Education-Material Development <u>Revised Deadline</u>		February 13
Bilingual Education-Demonstration <u>Revised Deadline</u>		February 13
Bilingual Education-School of Education <u>Revised Deadline</u>		February 13
Fund for the Improvement of Postsecondary Education:		
Unemployed Youth-A Postsecondary Response		January 20
Regional Education Programs for Deaf and Other Handicapped Persons		January 30
Basic Skills Improvement-Basic Skills in School Program Continuations		January 30
Consumer's Education Program		February 2
Fund for the Improvement of Postsecondary Education Continuations		February 10
Gifted and Talented Children's Education Program - Professional Development		February 17
Gifted and Talented Children's Education Program - Discretionary Program for Model Education		February 17
Bilingual Education - Fellowship Program (Continuations)		March 12
Handicapped Children's Early Education Program-Outreach		March 2
Teacher Corps Program '78 Continuations		March 23
Women's Educational Equity Act Continuations		April 1
Law-Related Education Program Continuations		April 13
Bilingual Education-Training Projects Program (Continuations) <u>Revised Deadline</u>		January 26
Bilingual Education-Support Services Projects Program:		
Bilingual Education Service Centers (Continuations) <u>Revised Deadline</u>		January 26

Bilingual Education-Support Services Projects Program: Evaluation, Dissemination, and Assessment Centers (Continuations) <u>Revised Deadline</u>	January 26
Bilingual Education-Materials Development Projects Program (Continuations) <u>Revised Deadline</u>	January 26
Bilingual Education-School of Education Projects (Continuation) <u>Revised Deadline</u>	January 26
Bilingual Education-Demonstration Projects Program (Continuation) <u>Revised Deadline</u>	January 26
Youth Employment Research	January 23
Ethnic or Racial Group Handicapped Research	January 23
Field Initiated Research	February 6
Handicapped Children's Model Program (Continuations)	March 12
Teacher Corps Program '79 (Continuations)	March 2
Strengthening Developing Institutions Program (New and Continuations)	January 19
Women's Educational Equity Act	January 27
Minority Institutions Science Improvement Program (MISIP): Institutional, Design, and Cooperative Projects	January 30
Special Project Awards	March 2
Teacher Centers Program	March 10
Special Services for Disadvantaged Students (Continuations)	January 23
Talent Search Program (Continuations)	January 23
Upward Bound Program (Continuations)	January 23
Group Projects Abroad	January 15
Foreign Curriculum Consultants	January 15
Doctoral Dissertation Abroad	January 15
Faculty Research Abroad	January 15
 <u>Health Services Administration</u>	
Maternal and Child Health and Crippled Children's Services Project Grants to Institutions of Higher Learning	January 16
Sudden Infant Death Syndrome Program	March 3
Home Health Program: Availability of Grants for Home Health Services and Training Projects	June 1
 <u>Office of the Assistant Secretary for Planning and Evaluation</u>	
Poverty Research Center Grant	January 30
 <u>Administration on Aging</u>	
Research and Development Projects, Title IV-B FY'81	January 23

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

- Mathematical Sciences Postdoctoral Research Fellowships.
Contact: Dr. Alvin Thaler, Division of Mathematical and Computer Sciences (202) 357-9764. February 1
- Ethics and Values in Science and Technology - Interdisciplinary Incentive Awards (Brochure SE 81-62A).
Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770. February 2
- Ethics and Values in Science and Technology-Sustained Development Awards (Brochure SE 81-62B). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770. February 2
- Special Research Initiation Awards for New Investigators in Information Science. Contact: Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569. February 4
- Instructional Scientific Equipment (Brochure SE 80-32).
Contact: Dr. John Maccini, Division of Science Education Resources Improvement (202) 282-7033. February 27
- Swiss National Science Foundation Fellowships. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554. February 28
- Travel to India and Pakistan under special foreign currency for travel between July 1 and September 30, 1981. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550. March 1
- Science in Developing Countries. (Brochure NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700. March 1
- U.S.-India Exchange of Scientists (Brochure NSF 78-66).
Contact: Ms. Hildegard Kramer, Division of International Programs (202) 357-9550. March 15
- U.S.-Australia Cooperative Science. Proposals for long- or short-term research visits and for seminars/workshops commencing within January 1, and June 30 of following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558 April 1

U.S.-Japan Cooperative Science. Proposals for cooperative research projects (Deadline does not apply to cooperative research proposals in areas of marine biology or food productivity). Contact: Dr. Stephen Mosier, Division of International Programs (202) 357-9537.	April 1
U.S.-New Zealand Cooperative Science. Proposals for long- or short-term research visits commencing within January 1 and June 30 of the following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558.	April 1
U.S.-New Zealand Cooperative Science. Proposals for a workshop/seminar to be held in 1982. Priority consideration given to ocean science. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558.	April 1
Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	April 1
U.S.-Latin America and Caribbean Cooperative Science. Proposals for cooperative research, scientific workshops and scientific visits (Brochure NSF 80-52). Contact: Dr. Eduardo Feller, Ms. Christine French, Dr. Edward Finn, Division of International Programs (202) 357-9563.	May 1
West European Regional Programs-Germany and Switzerland. Sabbatical travel in fall semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	May 1
U.S.-France Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	May 15
U.S.-Belgium Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	May 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	June 1
Oceanographic Facilities and Support. Contact: Ms. Mary Johrde, Division of Ocean Sciences (202) 357-7837.	July 1
U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	July 1
Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791.	July 15

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	February 1
Coordinated Ocean Research and Exploration Projects. Contact: Dr. M. Grant Gross (202) 357-9639 or Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	February 1
Policy, Research and Analysis. For fall 1981 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	February 1
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	February 2 & August 15
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	February 2
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	February 2
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	February 2
Cellular Physiology. Contact: Dr. Norman Cohn. Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	February 2
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	February 2
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	February 2
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	February 2
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	February 2
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	February 15
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	March 1 & August 15
Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	March 1 & August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	March 1 & August 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7534.	March 13
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	March 13
Science and Technology to Aid the Physically Handicapped. Contact: Dr. Donald McNeal, Division of Problem-Focused Research (202) 357-7734.	March 25

Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	April 1 & August 3
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	April 30
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	May 1 & August 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	May 1 & September 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	May 1 & September 1
Policy, Research and Analysis. For winter 1981 and spring 1982 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	May 30
Public Understanding of Science. Preliminary proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	May 31
United States Antarctic Research. Proposal preparation kit must be obtained and used. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	June 1
Science for Citizens. Public Service Science Centers. Preliminary proposals (Brochure SE 80-64). Contact: Dr. Rachele Hollander, Office of Science and Society (202) 282-7770.	June 2
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	June 15 & September 30
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	July 1
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	July 1
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	July 1
Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	July 1
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	July 1
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1

Measurement Methods and Data Resources. Contact:
 Dr. Murray Aborn, Division of Social and Economic Science
 (202) 357-7913. July 15

Science for Citizens. Forums, Conferences, and Workshops.
 Preliminary proposals (Brochure SE 80-63A). Contact:
 Dr. Rachelle Hollander, Office of Science and Society
 (202) 282-7770. July 15

Science for Citizens, Planning Studies. Preliminary
 proposals. (Brochure SE 80-63B). Contact: Rachelle
 Hollander, Office of Science and Society (202) 282-7770. July 15

Applied Social and Behavioral Sciences. Contact:
 Dr. Frank Scioli, Division of Applied Research
 (202) 357-7734. July 17

Applied Physical Sciences. Contact: Dr. Richard Schoen,
 Division of Applied Research (202) 357-7534. July 17

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes,
 Neurobiology, Psychobiology, Sensory Physiology and
 Perception, and Social and Developmental Psychology.
 Contact: Division of Behavioral and Neural Sciences
 (202) 357-7564. *

Behavioral and Neural Sciences: Doctoral Dissertation
 Research Proposals. Contact: Division of Behavioral
 and Neural Sciences (202) 357-7564. *

Development in Science Education (DISE). (Brochure SE
 80-50). Contact: Mr. Alexander Barton, Division of
 Science Education Development and Research
 (202) 282-7910. *

Environmental Biology: Doctoral Dissertation Research
 Proposals. Contact: Division of Environmental Biology
 (202) 357-7332. *

Ecology, Ecosystem Studies, Population Biology and
 Physiological Ecology, Systematic Biology, and
 Biological Research Resources. Contact: Division of
 Environmental Biology (202) 357-7332. *

Information Science and Technology. Contact: Dr. Howard
 Resnikoff, Division of Information Science and Technolgy
 (202) 357-9572. *

Research in Science Education (RISE). (Brochure SE
 80-55). Contact: Dr. Rita Peterson, Division of
 Science Education Development and Research
 (202) 282-7745. *

Social and Economic Science: Doctoral Dissertation
 Research Proposals. Contact: Division of Social and
 Economic Science (202) 357-7967. *

U.S.-East Asia Cooperative Science. Contact: Dr. Allen
 Holt, Division of International Programs (202) 357-9537. *

- East European Cooperative Science. Proposals for joint research projects or for joint seminars (six months advance notice); Proposals for short-term visits (three months advance notice). Contact: Ms. Deborah Wince, Division of International Programs (202) 357-9516. *
- U.S.-India Cooperative Science. (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *
- U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537. *
- U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. *
- U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *
- U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

PRIVATE

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

- American Cancer Society
 - Post-doctoral Fellowships March 1
 - Junior Faculty Research Awards March 1
 - Faculty Research Awards March 1
 - Scholars in Cancer Research March 1
 - Research Professorships March 1
 - Research and Clinical Investigation Grants April 1
- American Diabetes Association
 - Research and Development Awards (postmark deadline) March 13
 - Research Grants February 13
- American Legion Child Welfare Foundation, Inc.
 - Between January 1 and March 31
- Arthritis Foundation-Minnesota Chapter
 - February 15
- Cystic Fibrosis Foundation
 - New Investigator Research Grants February 1
 - Research Grants February 1
 - Student Traineeships February 1

IRES (International Research and Exchange Board with Socialist Countries)	
Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30
Juvenile Diabetes Foundation	March 1
March of Dimes	
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Minnesota Humanities Commission	January 15 & March 15
Minnesota Medical Foundation	March 31
National Multiple Sclerosis Society	
Research Grants	January 15
Postdoctoral Fellowships	Prior to January 15
Junior Faculty Awards	Prior to January 15
Orthopaedic Research and Education Foundation	March 15
Pharmaceutical Manufacturers Association Foundation, Inc.	
Fellowship Awards in Pharmacology and Morphology	January 15
Developmental Grants for Clinical Pharmacology Units	January 15
Runyon-Winchell Cancer Fund	
Fellowships	March 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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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February 1981

Volume X/No.8

ORA OFFICES TO MOVE

The Office of Research Administration, currently located at 2642 University Avenue, St. Paul, is scheduled to relocate to the 5th floor of the Administrative Services Center, 1919 University Avenue, St. Paul, effective March 9, 1981. Phone numbers will remain the same. The office is serviced by the University Shuttle bus and the 16-A MTC bus. Visitor parking is available on the west side of the building.

DOCUMENTATION REQUIREMENTS FOR TRAVEL CHARGED TO NIH SPONSORED PROJECTS, INCLUDING TRAVEL BY NRSA RECIPIENTS

The following information is provided to clarify the documentation requirements necessary to support travel expenditures charged against NIH sponsored projects, including travel on these projects by

National Research Service Award recipients. The NIH has provided the following definition with respect to the allowability of these expenditures. "Travel - allowable where such travel will provide direct benefit to the project being supported, including attendance at meetings by project staff." Accordingly, travel expenditures can be incurred only by individuals who have worked on the project, and the grantee's record must clearly document the benefit of the travel to the project charged, including documentation that the traveler was a member of the project staff. Therefore, it is necessary that travel authorizations and expenditure documents contain adequate justification which supports the travel as being beneficial to the performance of the project. In the event that the individual is not a regular employee, i.e. covered by the effort certification system, such as NRSA trainees, the travel document must also include a statement regarding the relationship of the traveler to the project. There must be documentation to support this fact either by a reference in the application that was funded by NIH, or in the event such information was not included in the application, a letter to the Office of Research Administration explaining the relationship of the traveler to the project. Questions regarding this procedure should be referred to the appropriate administrator in ORA, Todd Morrison, 373-5930, Susan Stensland, 373-5926, or Mary Lou Weiss, 373-5605.

REMINDER - BUDGET JUSTIFICATIONS ON RESEARCH/TRAINING GRANTS SUBMITTED TO ADAMHA AND NIH

The National Institute on Drug Abuse has forwarded a memorandum to investigators indicating that many grantee institutions submitting continuation

research applications have failed to provide adequate budget justification. An excerpt from this memo is noted below:

"Please be sure to read the grant application instructions carefully to be certain that adequate information and justification is

provided. In particular, be certain that the requested support is provided for the categories of Personnel, Consultants, Equipment, Supplies and Travel. In providing the justification for personnel costs, please provide an explanation for all gross salary increases in excess of ten percent over last year's salary. If the requested travel budget includes attendance at professional meetings, be sure to include name and location of meetings, number of persons scheduled to attend, and projected cost per trip."

While the memo was directed to NIDA grant recipients, it can be applied to all proposals submitted to the Division of Research Grants, NIH. Submission of adequate budget justification minimizes the number of communications between NIH and grantee institutions and saves considerable time of all participants involved in the proposal/review/award process. Should you have questions, contact the appropriate administrator in ORA.

INSTRUCTIONAL SCIENTIFIC
EQUIPMENT (ISEP) PROPOSALS DUE
AT NSF FEBRUARY 27, 1981

The purpose of the ISEP program is to facilitate the implementation of a well-planned or improved undergraduate instructional program in one or more of

the sciences by providing partial support for the purchase or construction of necessary scientific equipment. Awards will be announced in September 1981. For additional information contact Judith Krzyzek at 373-2784.

NSF - MARCH 2 DUE DATE FOR GRANTS
FOR SPECIALIZED ENGINEERING
RESEARCH EQUIPMENT

Unsolicited proposals for either permanent equipment on regular research grants or specialized engineering research equipment will be accepted by the

Directorate for Engineering and Applied Science. The objective is to improve the quality or scope of research which will be conducted at the proposing institution in any engineering area. Awards will be announced August 1, 1981. For further information contact Judith Krzyzek at 373-2784.

NOAA - MARINE POLLUTION RESEARCH

National Oceanic and Atmospheric Administration has announced programs of

grants for (1) research related to effects of pollution and human-induced changes of marine ecosystems (including the Great Lakes), and (2) research and development and monitoring projects needed to meet priorities set forth by Section of Public Law 95-273 (National Ocean Pollution Research and Development and Monitoring Act of 1978). For more details on research interest areas contact ORA at 373-2784. For application guidelines, write: Long-Range Effects Research Program, Office of Marine Pollution Assessment (RD/MP2), NOAA, 325 Broadway, Boulder, CO 80303, or call C. Farentinos (303) 497-6486.

MINNESOTA LUNG ASSOCIATION
RESEARCH CONTINGENCY FUND
FOR SCIENTIFIC EQUIPMENT

The MLA offers grants for the purchase of scientific equipment to young Minnesota investigators who are engaged in research in the field of prevention and

control of lung disease. The research may be clinical, laboratory, epidemiologic, social or other, but should be relevant to lung disease. The

individual seeking the grant should be able to demonstrate that funding from other sources has been explored. An applicant should submit an application as their needs arise, keeping in mind that possible funding may not be available until several months after making the application. The MLA's Research Committee will choose the recipient of the award money. Further information is available from ORA at 373-0773.

**INSTITUTIONAL RESEARCH GRANT
AWARD FROM AMERICAN CANCER SOCIETY**

The University of Minnesota has been awarded a renewal of its Institutional Research Grant from the American Cancer Society (ACS) for 1980-81. 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, 1981. Instructions and application forms may be obtained from the Dean's Committee for the ACS Institutional Research Grant, Room 421 Masonic Hospital, 373-4318.

**ANNUAL PATENT AND TRADEMARK
OFFICE BRIEFING CONFERENCE**

The U.S. Patent and Trademark Office and the Patent Office Society are co-sponsoring a one-day conference in Arlington, VA, on March 13, 1981. The primary purpose of the conference is to present to the academic community the operation of the Patent and Trademark Office under the American Patent System and its contribution to the industrial, scientific and technological development of the U.S.; how patent and trademark resources may be more fully utilized in the classroom and by students completing their education prior to entering industry or research institutions. The \$10.00 fee is payable to the Patent Office Society. If interested in attending, contact Isaac Fleischmann, Director, Office of Information Services, Commissioner of Patents and Trademarks, Washington, D.C. 20231 (703) 557-3428, by March 2, 1981.

**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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	March 1
NIAID, New Investigator Research in Clinical Immunology and Virology	March 1
NINCDS/NIAID/NIAMDD/NICHD: Research Grants Related to Reye's Syndrome	March 1
NIAMDD, Research on Diseases of the Biliary Tract and Exocrine Pancreas	March 1
DRR, Biotechnology Resources Program	June 1
NINCDS, Research Grants Related to Motor Neuron Diseases, Spinocerebellar and Systems Degenerations, Research Grants	March 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	March 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	June 1
NIH, Individual Postdoctoral Fellowships	June 1
NIH, Institutional Training Programs	June 1
NICHD, Developmental Aspects of Behavior and Nutrition	March 1
NCI, Experimental Research Related to Mammographic Screening for Human Breast Cancer	March 1
NIAMDD, Liver Diseases Research	March 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	June 1
Research Grants	March 1
NCI, Cancer Centers Support Grant Program	June 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings	Open
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1

NCHCT, Assessment of Health Care Technologies	March 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	March 1
NIAMDD, Clinical Investigator Award	June 1
NIA, Basic Aging Program	March 1
NIDR, The National Caries Program	March 1
NHLBI, Comprehensive Sickle Cell Centers (Letter of Intent Requested by January 1, 1981)	April 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	June 1
NIA, Geriatric Dentistry Academic Award	March 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	March 1
NIOHS, Occupational Cutaneous Hazards and Diseases	March 1
NCI, Smoking, Cancer and Health Program: Research Grants	March 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	June 1
Institutional Training Grant	June 1
NIDR, Periodontal Diseases: (1) Microbiology, (2) Inflammatory and Immune Responses, (3) Prevention, Diagnosis, and Treatment, (4) Tissue Structure and Metabolism	March 1
NIDR, Craniofacial Anomalies Program: (1) Malocclusion, (2) Cleft Lip and Palate, (3) Craniofacial Syndromes, (4) Acquired Craniofacial Disfigurement	March 1
NIDR, Restorative Materials Program: (1) Dental Restorative Materials, (2) Adhesive Sealants, (3) Prosthetics, (4) Implants and Transplants, (5) Endodontics, (6) Instrumentation	March 1
NIDR, Pain Control and Behavioral Studies Program	March 1
NIDR, Soft Tissue Stomatology and Nutrition Program: (1) Nutrition, (2) Oral Cancer, (3) Oral Ulcerative Diseases, (4) Salivary Secretions (5) Disorders of the Dental Pulp, (6) Mineralization	March 1
NIGMS, Physiology and Biomedical Engineering Program	March 1
NIGMS, Pharmacological Sciences Research Program	March 1
NIGMS, Genetics Research Program	March 1
NIGMS, Cellular and Molecular Basis of Disease Program	March 1
NIEHS, Prediction, Detection, and Assessment of Environmental Disorders	March 1
NIEHS, Mechanisms of Environmental Diseases and Disorders	March 1
NIEHS, Environmental Health Research and Manpower Development Resources: (1) Environmental Health Sciences Centers, (2) Marine and Freshwater Biomedical Centers, (3) Research Manpower Development Program	March 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	March 1
NHLBI, Preventive Cardiology Academic Award (Annual Date)	April 1

NINCDs, Integration of Autonomic and Somatic Divisions of the Nervous System	March 1
NHLBI, RFA: Animal Models for the Study of the Pathogenesis of Specific Heart Muscle Diseases	February 20
NIAID, RFA: Intestinal Absorption of Reptide Hormones	March 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases	June 1
NCI, Cancer Clinical Treatment Research	March 1
NINCDs, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	March 1
NINCDs, Genetic and Biochemical Bases of Otosclerosis	March 1
 <u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	March 1
Research Grants, Renewals	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants, NRSA	June 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	June 1
 <u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 6
 <u>National Center for Health Services Research</u>	
Research Management Series - Research Priorities	Open
 <u>Health Resources Administration</u>	
Allied Health Traineeship Grants for Advanced Training-Training Institutes (Short-term)	February 13
 <u>Food and Drug Administration</u>	
Research Grants, New	March 1
Research Grants, Renewals	June 1
 <u>National Institute of Education</u>	
Program of Research Grants on Teaching and Learning	Tentative 10/81
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24
Major Grants (Elementary/Secondary Desegregation)	
Preapplication	November 24
Application	April 1
Major Grants (Higher Education Desegregation)	
Preapplication	April 1
Application	September 17
Research on Organizational Processes in Education:	
Preapplication	April 9
Application (Preapplication submitted 12/11/80)	April 9/December 10
Small Grant	April 9
Program of Research Grants on Law and Government Studies in Education:	
Preapplication	March 3
Application	September 10
Small Grant	March 3

Unsolicited Proposals	Prior to (First Round)	January 3
Unsolicited Proposals	Prior to (Second Round)	June 30
Program of Grants for Research on Institutions of Postsecondary Education:		
Preapplication		March 25
Application		October 6
Small Grant		March 25
Grants for Research on Knowledge Use and School Improvement:		
Preapplication		May 6
Small Grant		May 6

Department of Education

Field Initiated Research, Continuations Only	120 days prior to current budget period ending date	
Student Research, Cycle 2 FY'81		March 17
Bilingual Education-Fellowship Program, Continuations Only		March 12
Biomedical Sciences Program <u>Revised Deadline</u>		Cancelled
Fund for the Improvement of Postsecondary Education Application (Final - at request of FIPSE)		March 24
Bilingual Education - Basic Projects, Continuations, 1/16/81 New, <u>Revised Deadline</u>		February 13
Bilingual Education-Material Development <u>Revised Deadline</u>		February 13
Bilingual Education-Demonstration <u>Revised Deadline</u>		February 13
Bilingual Education-School of Education <u>Revised Deadline</u>		February 13
Regional Education Programs for Deaf and Other Handicapped Persons <u>Revised Deadline</u>		February 20
Fund for the Improvement of Postsecondary Education, Continuations		February 10
Gifted and Talented Children's Education Program - Professional Development		February 17
Gifted and Talented Children's Education Program - Discretionary Program for Model Education		February 17
Bilingual Education - Fellowship Program, Continuations		March 12
Handicapped Children's Early Education Program-Outreach		March 2
Teacher Corps Program '78, Continuations		March 23
Women's Educational Equity Act, Continuations		April 1
Law-Related Education Program, Continuations		April 13
Handicapped Children's Model Program, Continuations		March 12
Teacher Corps Program '79, Continuations		March 2
Minority Institutions Science Improvement Program (MISIP):		
Special Project Awards		March 2
Teacher Centers Program		March 10
Institute of Museum Services		March 6
College Library Resources Program		March 23
Strengthening Research Library Resources Program		March 16
Library Career Training Program		March 2
Arts Education Program		February 27
National Institute of Handicapped Research Projects, Continuations	90 days prior to end of current budget period	

Health Services Administration

Sudden Infant Death Syndrome Program March 3
Home Health Program: Availability of Grants for Home
Health Services and Training Projects June 1

Office of the Assistant Secretary for Planning and Evaluation

Poverty Research Center Grant (Revised Deadline) February 16

Administration for Children, Youth and Families

Child Welfare Services Training Grants - Traineeships March 6
Child Welfare Services Training Grants - Teaching March 6

National Center for Health Services Research

Doctoral Dissertation Research April 1

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Travel to India and Pakistan under special foreign
currency for travel between July 1 and September 30,
1981. Contact: Mr. Karl Olsoni, Division of
International Programs (202) 357-9550. March 1

Science in Developing Countries. (Brochure NSF 80-6, NSF
78-41). Contact: Dr. Gordon Hiebert, Division of
International Programs (202) 357-9700. March 1

U.S.-India Exchange of Scientists (Brochure NSF 78-66).
Contact: Ms. Hildegard Kramer, Division of
International Programs (202) 357-9550. March 15

U.S.-Australia Cooperative Science. Proposals for long- or
short-term research visits and for seminars/workshops
commencing within January 1 and June 30 of following
year. Contact: Mr. Alan Milsap, Division of
International Programs (202) 357-9558 April 1

U.S.-Japan Cooperative Science. Proposals for coopera-
tive research projects (Deadline does not apply to
cooperative research proposals in areas of marine
biology or food productivity). Contact: Dr. Stephen
Mosier, Division of International Programs
(202) 357-9537. April 1

- U.S.-New Zealand Cooperative Science. Proposals for long- or short-term research visits commencing within January 1 and June 30 of the following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. April 1
- U.S.-New Zealand Cooperative Science. Proposals for a workshop/seminar to be held in 1982. Priority consideration given to ocean science. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. April 1
- Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770. April 1
- U.S.-Latin America and Caribbean Cooperative Science. Proposals for cooperative research, scientific workshops and scientific visits (Brochure NSF 80-52). Contact: Dr. Eduardo Feller, Ms. Christine French, Dr. Edward Finn, Division of International Programs (202) 357-9563. May 1
- West European Regional Programs-Germany and Switzerland. Sabbatical travel in fall semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554. May 1
- U.S.-France Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554. May 15
- U.S.-Belgium Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554. May 15
- Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550. June 1
- Oceanographic Facilities and Support. Contact: Ms. Mary Jhrde, Division of Ocean Sciences (202) 357-7837. July 1
- U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613. July 1
- Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791. July 15
- Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.
- Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675. March 1 & August 15
- Geography and Regional Science. Contact: Dr. Barry Moriarty, Division of Social and Economic Science (202) 357-7326. March 1 & August 15

Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	March 1 & August 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7534.	March 13
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	March 13
Science and Technology to Aid the Physically Handicapped. Contact: Dr. Donald McNeal, Division of Problem-Focused Research (202) 357-7734.	March 25
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	April 1 & August 3
Biological Instrumentation. Contact: Dr. Larry Fallor, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	April 30
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	May 1 & August 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	May 1 & September 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	May 1 & September 1
Policy, Research and Analysis. For winter 1981 and spring 1982 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	May 30
Public Understanding of Science. Preliminary proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	May 31
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Science for Citizens. Public Service Science Centers. Preliminary proposals (Brochure SE 80-64). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	June 2
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	June 15 & September 30
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	July 1
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	July 1
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	July 1
Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	July 1
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	July 1

Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1
Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	July 15
Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734.	July 17
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	July 17

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. Contact: Division of Behavioral and Neural Sciences (202) 357-7564.	*
Behavioral and Neural Sciences: Doctoral Dissertation Research Proposals. Contact: Division of Behavioral and Neural Sciences (202) 357-7564.	*
Development in Science Education (DISE). (Brochure SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (202) 282-7910.	*
Environmental Biology: Doctoral Dissertation Research Proposals. Contact: Division of Environmental Biology (202) 357-7332.	*
Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, Systematic Biology, and Biological Research Resources. Contact: Division of Environmental Biology (202) 357-7332.	*
Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technology (202) 357-9572.	*
Research in Science Education (RISE). (Brochure SE 80-55). Contact: Dr. Rita Peterson, Division of Science Education Development and Research (202) 282-7745.	*

- Social and Economic Science: Doctoral Dissertation Research Proposals. Contact: Division of Social and Economic Science (202) 357-7967. *
- U.S.-East Asia Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (202) 357-9537. *
- East European Cooperative Science. Proposals for joint research projects or for joint seminars (six months advance notice); Proposals for short-term visits (three months advance notice). Contact: Ms. Deborah Wince, Division of International Programs (202) 357-9516. *
- U.S.-India Cooperative Science. (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *
- U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537. *
- U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. *
- U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *
- U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

PRIVATE

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

- | | |
|---|--------------------------------|
| American Cancer Society | |
| Post-doctoral Fellowships | March 1 |
| Junior Faculty Research Awards | March 1 |
| Faculty Research Awards | March 1 |
| Scholars in Cancer Research | March 1 |
| Research Professorships | March 1 |
| Research and Clinical Investigation Grants | April 1 |
| American Diabetes Association | |
| Research and Development Awards (postmark deadline) | March 13 |
| Research Grants | February 13 |
| American Legion Child Welfare Foundation, Inc. | Between January 1 and March 31 |

American Lung Association	
Nursing Fellowships	April 1
Arthritis Foundation-Minnesota Chapter	February 15
Epilipsy Foundation of America	
Medical Student Fellowships	March 1
Vocational Rehabilitation Fellowships	April 1
IREX (International Research and Exchange Board with Socialist Countries)	
Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30
Juvenile Diabetes Foundation	March 1
March of Dimes	
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Minnesota Humanities Commission	March 15
Minnesota Medical Foundation	March 31
Muscular Dystrophy Association	
Grant-in-Aid Program	Prior to May 31
Orthopaedic Research and Education Foundation	March 15
Runyon-Winchell Cancer Fund	
Fellowships	March 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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ORA RDC Newsletter

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

March 1981

Volume X/No. 9

ADMINISTRATIVE SERVICES CENTER DOCUMENT DELIVERY SERVICE

As announced in the February 1981 newsletter, the Office of Research Administration will be relocated to the

fifth floor of the Administrative Services Center, 1919 University Avenue, St. Paul, effective March 9, 1981. In order to assist departments in reducing the number of hand deliveries of proposals and documents requiring review by ORA staff, an Administrative Services Center Document Delivery Service will be established effective March 9, 1981. Materials will be picked up daily by a campus mail courier according to the following schedule, and will be delivered directly to the ORA:

<u>Pickup Location</u>	<u>Time</u>
301-302 Morrill Hall	10:00 a.m. and 3:00 p.m.
3-115 Owre Hall	3:00 p.m.

The 3:00 pickup will generally not result in proposals being processed by ORA staff on the same day. Individuals submitting proposals for deadlines or those requiring special handling need to keep in mind the schedule of the courier and allow adequate time for processing of the materials by ORA staff in order to meet the deadlines.

NEW FRINGE BENEFIT RATES

The following fringe benefit rates, for billing purposes, are in effect for calendar year 1981:

	<u>Academic</u> <u>%</u>	<u>Civil Service</u> <u>%</u>
Health Plan	3.5696	5.2482
Unemployment Compensation	.0785	.6491
Workers Compensation	.1809	.6354
F.I.C.A.	4.5725	6.3681
Retirement	<u>10.2317</u>	<u>6.0000</u>
	18.6332	18.9008

Estimated rates to be used for budgeting beyond CY 1981:

20.0	20.0
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EFFORT CERTIFICATION
PROCEDURAL CHANGE

Effective immediately, the requirement that departments submit "Time Reports" (B.A. Form 382) for non-professionals

paid through the miscellaneous payroll on sponsored projects is eliminated. These individuals will now be included on the monthly effort certification card currently utilized for academic and other staff. Questions regarding this matter should be directed to Laurie Christensen, 373-1963.

DEPOSITING CHECKS ON
SPONSORED ACCOUNTS

All agencies making sponsored program awards are requested to transmit funds directly to the Office of Research

Administration. Occasionally, checks are addressed to principal investigators or departmental offices. These checks should be forwarded immediately to the Office of Research Administration for deposit. If a check is made payable to the principal investigator, please endorse the check making it payable to the University of Minnesota before forwarding to the Office of Research Administration.

USE OF UNITED STATES FLAG
CARRIERS FOR GRANTEE AND
CONTRACTOR TRAVEL

The Deputy Assistant Secretary, Finance, DHHS, has reminded all Departmental components of the requirements for individuals traveling on official busi-

ness to or from any possessions of the United States and foreign countries to use only U.S. Flag Carriers whenever service by these carriers is available. This requirement also applies to grantees and contractors. No exceptions may be made for such factors as cost, convenience or personal preference of the traveler.

RELEASE OF GRANT APPLICATIONS

Under the Freedom of Information Act (P.L. 93-502, 1974) as amended, the

National Institutes of Health releases to third parties funded grant applications after the grantee has been informed of the name and affiliation of the requestor and given an opportunity to delete materials affecting patent or other valuable rights. NIH also deletes information that would constitute a clearly unwarranted invasion of personal privacy if released, such as individual salaries. New grant applications that are disapproved, unfunded, or withdrawn are not required to be released (see page 1 of Vol. 9, No. 13, October 31, 1980, of the NIH Guide for Grants and Contracts).

U.S.-FRANCE COOPERATIVE PROGRAM
ON BASIC CANCER RESEARCH

The U.S. National Cancer Institute (NCI) and the French Institut Nationale de la Sante et de la Recherche Medicale

(INSERM) have an agreement to promote cooperation in basic research in carcinogenesis. Limited funds are available through this program to provide travel expenses and subsistence allowance of U.S. scientists to work in France for periods of up to a few months on appropriate collaborative research projects with French colleagues. Similarly, limited funds are available to pay for living expenses of French scientists to work in the United States on appropriate collaborative projects with American colleagues. Each request for

support will be reviewed for scientific merit by the American and French Program Committees. For further information, please contact:

Dr. Louis R. Sibal
Associate Director for Program
Chairman, U.S. Basic Cancer Research Program
Division of Cancer Cause and Prevention
National Cancer Institute
Building 31, Room 11A03
Bethesda, MD 20205

NHLBI, DIVISION OF BLOOD DISEASES
AND RESOURCES ANNOUNCEMENT
SUMMARIZES CURRENT RESEARCH
TRAINING AND DEVELOPMENT AREAS
tion at 373-5925.

NHLBI has issued the referenced announcement of its program areas in the NIH Guide for Grants and Contracts, Vol. 10, No. 1. Copy may be obtained from the Office of Research Administra-

AVAILABILITY OF CLINSPEC GAS
CHROMATOGRAPHY-MASS
SPECTROMETRY FACILITIES

CLINSPEC, a project funded by the Division of Research Resources of the National Institutes of Health, is designed to encourage the application of

gas chromatography-mass spectrometry in the clinical research process. CLINSPEC makes available to investigators using General Clinical Research Center facilities the gas chromatography-mass spectrometry capabilities of the Medical University of South Carolina. The program provides access, training, and assistance pertaining to the use of gas chromatography-mass spectrometry in clinical research applications. It also can assist General Clinical Research Center program directors, principal investigators, and individual investigators in establishing gas chromatography-mass spectrometry facilities at their own institutions.

The CLINSPEC process involves proposal submission, informal review, project approval, consultation with the investigator, previsit preparation, carrying out the proposed and approved project on site in Charleston, South Carolina, and a postvisit consultation. In addition to the use of the gas chromatography-mass spectrometry facilities at the Medical University of South Carolina, the program pays for travel to and expenses at the CLINSPEC laboratory in Charleston for the duration of the research project.

For more information on CLINSPEC or to submit a proposal, contact in writing Dr. Daniel Knapp, Department of Pharmacology, Medical University of South Carolina, Charleston, South Carolina 29403.

NIDR, AVAILABILITY OF ANIMALS
FOR FLUORIDE STUDIES

NIDR has issued an announcement indicating availability of a special colony of mice on long term low and high

fluoride diets. Starter animals are available at no charge to investigators wishing to study the biological effects of long term dietary exposure to high

and/or low fluoride. Copy of complete announcement may be obtained from the Office of Research Administration at 373-5925.

NIE ISSUES DESCRIPTION OF
"FUNDING OPPORTUNITIES AT
NIE, FY '81"

Educational Policy and Organization, and Dissemination and Improvement of Practice. Copy may be obtained from the Office of Research Administration at 373-5925.

NIE has issued a brief booklet describing current funding opportunities within the Institute's three program areas: Teaching and Learning,

U.S. DEPARTMENT OF ENERGY
CONTRACT RENEWALS

of contract effective dates. Contract renewals must be submitted, so that they are received at DOE, at an absolute minimum of four (4) months prior to the end of a current funded period. If this requirement is not met, there is the possibility of a funding gap between periods of the contract.

The federal government has issued a policy statement effective August 1, 1981, which prohibits the back-dating

NORTHWEST AREA FOUNDATION REQUEST
FOR PROPOSALS IN THE FIELD OF
HIGHER EDUCATION

proposal, please contact Associate Dean John Wallace in the Graduate School (373-2827). Dean Wallace has been asked to serve as the coordinator for any colleges or campuses desiring to work together on a proposal. Any specific questions about the intent of the award or the preparation of a project proposal should be directed to Professor Wallace or Ms. Martha Butt of the Northwest Area Foundation. Deadlines for these proposals are April 1, 1981 and December 1, 1981.

The Northwest Area Foundation has issued a request for proposals in the field of higher education for 1981 and 1982. If you have an interest in developing a

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

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

The Office of International Programs has information--including deadline dates--on fellowship and grant programs

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

cations must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

Following is a list of some, but not all, agency deadlines occurring within the next few months. All grant appli-

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
NHLBI, Young Investigator Award-Research Grant	July 1
NIAID, New Investigator Research in Clinical Immunology and Virology	July 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	July 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	July 1
NIH, New Investigator Awards	July 1
NIH, Research Career Development Awards	June 1
NIH, Individual Postdoctoral Fellowships	June 1
NIH, Institutional Training Programs	June 1
NCI, Cancer Clinical Treatment Branch	July 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	June 1
Research Grants	July 1
NCI, Cancer Centers Support Grant Program	June 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings	Open
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	July 1
NIAMDD, Clinical Investigator Award	June 1
NIA, Basic Aging Program	July 1
NIDR, The National Caries Program	July 1
NHLBI, Comprehensive Sickle Cell Centers (Letter of Intent Requested by January 1, 1981)	April 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	June 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	July 1

NIOHS, Occupational Cutaneous Hazards and Diseases	July 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	June 1
Institutional Training Grant	June 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	July 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	July 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases	June 1
NCI, Cancer Clinical Treatment Research	July 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	July 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	July 1
DRR, Biotechnology Resources Program:	
Resource Grant	June 1
Resource-Related Research Project	July 1
NHLBI, RFA: Cell-To-Cell Interactions in the Developing Lung	March 16
NIEHS, RFA: Studies Relating Human Health Effects to PBB	April 15
NHLBI, RFA: Investigation of Basic Mechanisms Involved in Sudden Cardiac Death	April 15
NIAMDD, RFA: Clinical Centers for a Collaborative Clinical Trial on the Relationship Between Blood Glucose Control and Vascular Complications of Insulin-Dependent Diabetes-Mellitus	May 1
NIDR, Cranofacial Anomalies	July 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	June 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	July 1
NHLBI, Pulmonary Academic Award (Each School of Medicine or Osteopathy is eligible for such award)	April 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	June 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	July 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	July 1
Research Grants, Renewals	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants, NRSA	June 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	June 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 6

National Center for Health Services Research

Research Management Series - Research Priorities

Open

Food and Drug Administration

Research Grants, New

July 1

Research Grants, Renewals

June 1

National Institute of Education

Program of Research Grants on Teaching and Learning

Tentative 10/81

Program of Research Grants on Desegregation Studies:

Small Grants (Elementary/Secondary/Higher Education
Desegregation)

November 24

Major Grants (Elementary/Secondary Desegregation)

Preapplication

November 24

Application

April 1

Major Grants (Higher Education Desegregation)

Preapplication

April 1

Application

September 17

Research on Organizational Processes in Education:

Preapplication

April 9

Application (Preapplication submitted 12/11/80)

April 9/December 10

Small Grant

April 9

Program of Research Grants on Law and Government Studies
in Education:

Preapplication

Tentative Sept. 10

Application (Preapplication submitted 3/3/81)

September 10

Small Grant

Tentative Sept. 10

Unsolicited Proposals Prior to (First Round)

March 10

Unsolicited Proposals Prior to (Second Round)

January 5 '82

Program of Grants for Research on Institutions of

Postsecondary Education:

Preapplication

March 25

Application

October 6

Small Grant

March 25

Grants for Research on Knowledge Use and School

Improvement:

Preapplication

May 6

Small Grant

May 6

Experimental Program for Opportunities in Advanced Study
and Research in Education

April 21

Department of Education

Field Initiated Research, Continuations Only

120 days prior to current
budget period ending date

Student Research, Cycle 2 FY'81

March 17

Bilingual Education-Fellowship Program,

Continuations Only

March 12

Fund for the Improvement of Postsecondary Education

Application (Final - at request of FIPSE)

March 24

Bilingual Education - Fellowship Program, Continuations

March 12

Teacher Corps Program '78, Continuations

March 23

Women's Educational Equity Act, Continuations

April 1

Law-Related Education Program, Continuations

April 13

Handicapped Children's Model Program, Continuations	March 12
Teacher Centers Program	March 10
Institute of Museum Services	March 6
College Library Resources Program	March 23
Strengthening Research Library Resources Program	March 16
National Institute of Handicapped Research Projects, Continuations	90 days prior to end of current budget period
Arts Education Program (Continuations Only)	April 1
Law Related Education Programs	April 24
 <u>Centers for Disease Control</u>	
Veneral Disease Project Grants for Research, Demonstrations, and Special Public Information and Education	April 1
 <u>Health Services Administration</u>	
Home Health Program: Availability of Grants for Home Health Services and Training Projects	June 1
Project Grants for Genetic Diseases Testing and Counseling Services and Sickle Cell Screening and Education Clinics	April 10
Project Grants for General Family Planning Services Delivery Improvement Research	April 1
 <u>Administration for Children, Youth and Families</u>	
Child Welfare Services Training Grants - Traineeships	March 6
Child Welfare Services Training Grants - Teaching	March 6
Research and Demonstrations Grants Program	March 27
Research Projects for Child Abuse and Neglect Program	March 26
Demonstration and Service Improvement Project for Child Abuse and Neglect Program	April 10
 <u>National Center for Health Services Research</u>	
Doctoral Dissertation Research	April 1

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

- U.S.-Australia Cooperative Science. Proposals for long- or short-term research visits and for seminars/workshops commencing within January 1 and June 30 of following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558 April 1
- U.S.-Japan Cooperative Science. Proposals for cooperative research projects (Deadline does not apply to cooperative research proposals in areas of marine biology or food productivity). Contact: Dr. Stephen Mosier, Division of International Programs (202) 357-9537. April 1
- U.S.-New Zealand Cooperative Science. Proposals for long- or short-term research visits commencing within January 1 and June 30 of the following year. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. April 1
- U.S.-New Zealand Cooperative Science. Proposals for a workshop/seminar to be held in 1982. Priority consideration given to ocean science. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. April 1
- Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770. April 1
- U.S.-Latin America and Caribbean Cooperative Science. Proposals for cooperative research, scientific workshops and scientific visits (Brochure NSF 80-52). Contact: Dr. Eduardo Feller, Ms. Christine French, Dr. Edward Finn, Division of International Programs (202) 357-9563. May 1
- West European Regional Programs-Germany and Switzerland. Sabbatical travel in fall semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554. May 1
- U.S.-France Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554. May 15

U.S.-Belgium Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	May 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	June 1
Oceanographic Facilities and Support. Contact: Ms. Mary Johrde, Division of Ocean Sciences (202) 357-7837.	July 1
U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	July 1
Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791.	July 15
West European Regional Programs--Germany and Switzerland. Sabbatical travel in spring semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	August 1
Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	August 1
U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9500.	September 1
Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegrad Kramer, Division of International Programs (202) 357-9550.	September 15
West European Regional Programs--Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554).	November 1

U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	December 1
Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.	
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	April 1 & August 3
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	April 30
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	May 1 & August 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	May 1 & September 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	May 1 & September 1
Policy, Research and Analysis. For winter 1981 and spring 1982 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	May 30
Public Understanding of Science. Preliminary proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	May 31
United States Antarctic Research. Proposal preparation kit must be obtained and used. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	June 1
Science for Citizens. Public Service Science Centers. Preliminary proposals (Brochure SE 80-64). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	June 2
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	June 15 & September 30
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	July 1
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	July 1
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	July 1
Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	July 1

Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	July 1
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1
Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	July 15
Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734.	July 17
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	July 17
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	August 1
Ethics and Values in Science and Technology. Formal pro- posals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes,
Neurobiology, Psychobiology, Sensory Physiology and
Perception, and Social and Developmental Psychology.
Contact: Division of Behavioral and Neural Sciences
(202) 357-7564.

Behavioral and Neural Sciences: Doctoral Dissertation
Research Proposals. Contact: Division of Behavioral
and Neural Sciences (202) 357-7564.

Development in Science Education (DISE). (Brochure SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (202) 282-7910. *

Environmental Biology: Doctoral Dissertation Research Proposals. Contact: Division of Environmental Biology (202) 357-7332. *

Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, Systematic Biology, and Biological Research Resources. Contact: Division of Environmental Biology (202) 357-7332. *

Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technology (202) 357-9572. *

Research in Science Education (RISE). (Brochure SE 80-55). Contact: Dr. Rita Peterson, Division of Science Education Development and Research (202) 282-7745. *

Social and Economic Science: Doctoral Dissertation Research Proposals. Contact: Division of Social and Economic Science (202) 357-7967. *

U.S.-East Asia Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (202) 357-9537. *

East European Cooperative Science. Proposals for joint research projects or for joint seminars (six months advance notice); Proposals for short-term visits (three months advance notice). Contact: Ms. Deborah Wince, Division of International Programs (202) 357-9516. *

U.S.-India Cooperative Science. (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *

U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537. *

U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. *

U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *

U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

PRIVATE

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

American Cancer Society Research and Clinical Investigation Grants	April 1
American Diabetes Association Research and Development Awards (postmark deadline)	March 13
American Heart Association Established Investigatorships	July 1
American Legion Child Welfare Foundation, Inc.	Between January 1 and March 31
American Lung Association Nursing Fellowships	April 1
Epilepsy Foundation of America Vocational Rehabilitation Fellowships	April 1
Exxon Education Foundation	No Deadline
IREX (International Research and Exchange Board with Socialist Countries)	
Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30
March of Dimes Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Minnesota Humanities Commission	March 15 & May 15
Minnesota Medical Foundation	March 31 & June 30
Muscular Dystrophy Association Preliminary letter requesting application	Prior to May 31
National Multiple Sclerosis Society Research Grant	July 15
Orthopaedic Research and Education Foundation	March 15
Runyon-Winchell Cancer Fund Fellowships	March 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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ORADDC Newsletter

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

April 1981

Volume X/No. 10

SUPPORT OF SCIENTIFIC MEETINGS - CHANGE IN APPLICATION PROCEDURES/ FUNDING BY NIH

In the past, the John E. Fogarty International Center for Advanced Study in the Health Sciences, National Institutes of Health, has received

proposals, or meeting prospecti, for partial support of scientific meetings of various types held in the U.S.A. or abroad. That program, as currently operated, is being discontinued and the receipt of proposals for support of scientific meetings will be transferred to the Division of Research Grants, National Institutes of Health, as of 1 February, 1981.

Application Procedure: Applications for partial support of scientific meetings should be made on the grant application form PHS 398. Further information can be obtained from the Office of Research Administration at 373-5925.

WORKSHOP FOR WRITERS OF INTERNATIONAL DEVELOPMENT PROPOSALS

A workshop co-sponsored by University Women in Development and the Office of International Programs, Title XII, is scheduled for Tuesday, April 21, 1981,

from 12:00 to 4:30, in the Dale Shephard Room, Campus Club, 4th floor, Coffman Union. The purpose of the workshop is threefold: (1) to assist proposal writers to identify components in their projects which have some effect on women; (2) to design components in their projects which address issues relevant to women in development; and (3) to provide hands-on experience for proposal writers to analyze the impact of proposals on women. For further information and registration materials, contact Professor L. Sunny Hansen, College of Education (3-0202). Registration deadline is April 15, 1981.

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 appli-

cations must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	July 1
NIAID, New Investigator Research in Clinical Immunology and Virology	July 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	July 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	July 1
NIH, New Investigator Awards	July 1
NIH, Research Career Development Awards	June 1
NIH, Individual Postdoctoral Fellowships	June 1
NIH, Institutional Training Programs	June 1
NCI, Cancer Clinical Treatment Branch	July 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	June 1
Research Grants	July 1
NCI, Cancer Centers Support Grant Program	June 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NCI, Preventive Oncology Academic Award (Annual Deadline)	May 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	June 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	July 1
NIAMDD, Clinical Investigator Award	June 1
NIA, Basic Aging Program	July 1
NIDR, The National Caries Program	July 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	June 1

NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	July 1
NIOHS, Occupational Cutaneous Hazards and Diseases	July 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	June 1
Institutional Training Grant	June 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	July 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	July 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases	June 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	July 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	July 1
DRR, Biotechnology Resources Program:	
Resource Grant	June 1
Resource-Related Research Project	July 1
NIEHS, RFA: Studies Relating Human Health Effects to PBB	April 15
NHLBI, RFA: Investigation of Basic Mechanisms Involved in Sudden Cardiac Death	April 15
NIAMDD, RFA: Clinical Centers for a Collaborative Clinical Trial on the Relationship Between Blood Glucose Control and Vascular Complications of Insulin-Dependent Diabetes-Mellitus	May 1
NIDR, Craniofacial Anomalies	July 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	June 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	July 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	June 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	July 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	July 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	July 1
NHLBI, Small Vessel Prostheses	July 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	July 1
Research Grants, Renewals	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants, NRSA	June 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	June 1

Health Care Financing Administration
Grants for Research and Demonstration

October 5

Food and Drug Administration

Research Grants, New

July 1

Research Grants, Renewals

June 1

National Institute of Education

Program of Research Grants on Teaching and Learning

(Tent.) October '81

Program of Research Grants on Desegregation Studies:

Small Grants (Elementary/Secondary/Higher Education
Desegregation)

November 24

Major Grants (Elementary/Secondary Desegregation)

Preapplication

November 24

Application

April 1, 1982

Major Grants (Higher Education Desegregation)

Preapplication

November 24

Application

April 1, 1982

Application (*Preapplication submitted 4/1/81)

*September 17

Research on Organizational Processes in Education:

Preapplication

August 13

Application

December 10

Small Grant

December 10

Program of Research Grants on Law and Government Studies
in Education:

Preapplication

(Tent.) September 10

Application (*Preapplication submitted 3/3/81)

*September 10

Small Grant

(Tent.) September 10

Unsolicited Proposals Prior to (First Round)

March 10

Unsolicited Proposals Prior to (Second Round)

January 5 '82

Program of Grants for Research on Institutions of

Postsecondary Education:

Preapplication

October 6

Application

TBA

Application (*Preapplication submitted 3/25/81)

*October 6

Small Grant

October 6

Grants for Research on Knowledge Use and School

Improvement:

Preapplication

May 6

Small Grant

May 6

Experimental Program for Opportunities in Advanced Study
and Research in Education

April 21

Department of Education

Field Initiated Research, Continuations Only

120 days prior to current
budget period ending date

Law-Related Education Program, Continuations

April 13

Law Related Education Programs

April 24

National Institute of Handicapped Research

Projects, Continuations

90 days prior to end of
current budget period

Undergraduate International Studies Projects

April 20

Regional Education Programs for Deaf and Other Handicapped Persons (Extension of Closing Date-Formerly 1/30/81)	April 17
National Resource Centers and Fellowships (Title VI)	April 27

Health Services Administration

Home Health Program: Availability of Grants for Home Health Services and Training Projects	June 1
Project Grants for Genetic Diseases Testing and Counseling Services and Sickle Cell Screening and Education Clinics	April 10

Administration for Children, Youth and Families

Demonstration and Service Improvement Project for Child Abuse and Neglect Program	April 10
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Questions regarding the following deadlines should be referred to ORA at 373-2784.

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

U.S.-Latin America and Caribbean Cooperative Science. Proposals for cooperative research, scientific workshops and scientific visits (Brochure NSF 80-52). Contact: Dr. Eduardo Feller, Ms. Christine French, Dr. Edward Finn, Division of International Programs (202) 357-9563.	May 1
West European Regional Programs-Germany and Switzerland. Sabbatical travel in fall semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	May 1
U.S.-France Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	May 15
U.S.-Belgium Cooperation in Science. Cooperative research and joint seminars. Long-term research travel support (for awards to be made for the fall semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	May 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	June 1

Oceanographic Facilities and Support. Contact: Ms. Mary Johrde, Division of Ocean Sciences (202) 357-7837.	July 1
U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	July 1
Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791.	July 15
West European Regional Programs-Germany and Switzerland. Sabbatical travel in spring semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	August 1
Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	August 1
U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9500.	September 1
Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegrad Kramer, Division of International Programs (202) 357-9550.	September 15
West European Regional Programs-Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554).	November 1
U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1

Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.

December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	May 1 & August 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	May 1 & September 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	May 1 & September 1
Policy, Research and Analysis. For winter 1981 and spring 1982 start dates. Contact: Ms. Agnes Rhodes, Division of Policy, Research and Analysis (202) 357-9689.	May 30
Public Understanding of Science. Preliminary proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	May 31
United States Antarctic Research. Proposal preparation kit must be obtained and used. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	June 1
Science for Citizens. Public Service Science Centers. Preliminary proposals (Brochure SE 80-64). Contact: Dr. Rachele Hollander, Office of Science and Society (202) 282-7770.	June 2
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	June 15 & September 30
Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	July 1
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	July 1
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	July 1
Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	July 1
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	July 1
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1

Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1
Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	July 15
Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734.	July 17
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	July 17
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	August 1
Ethics and Values in Science and Technology. Formal pro- posals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	September 1
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	September 1
Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	September 1
Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	September 30

Biological Instrumentation. Contact: Dr. Larry Faller,
Division of Physiology, Cellular and Molecular Biology
(202) 357-7652.

September 30

U.S.-Italy Cooperative Science. Contact: Ms. Marilyn
Rurak, Division of International Programs
(202) 357-7554.

November 1

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes,
Neurobiology, Psychobiology, Sensory Physiology and
Perception, and Social and Developmental Psychology.
Contact: Division of Behavioral and Neural Sciences
(202) 357-7564. *

Behavioral and Neural Sciences: Doctoral Dissertation
Research Proposals. Contact: Division of Behavioral
and Neural Sciences (202) 357-7564. *

Development in Science Education (DISE). (Brochure SE
80-50). Contact: Mr. Alexander Barton, Division of
Science Education Development and Research
(202) 282-7910. *

Environmental Biology: Doctoral Dissertation Research
Proposals. Contact: Division of Environmental Biology
(202) 357-7332. *

Ecology, Ecosystem Studies, Population Biology and
Physiological Ecology, Systematic Biology, and
Biological Research Resources. Contact: Division of
Environmental Biology (202) 357-7332. *

Information Science and Technology. Contact: Dr. Howard
Resnikoff, Division of Information Science and Technolgy
(202) 357-9572. *

Research in Science Education (RISE). (Brochure SE
80-55). Contact: Dr. Rita Peterson, Division of
Science Education Development and Research
(202) 282-7745. *

Social and Economic Science: Doctoral Dissertation
Research Proposals. Contact: Division of Social and
Economic Science (202) 357-7967. *

U.S.-East Asia Cooperative Science. Contact: Dr. Allen
Holt, Division of International Programs (202) 357-9537. *

East European Cooperative Science. Proposals for joint
research projects or for joint seminars (six months
advance notice); Proposals for short-term visits (three
months advance notice). Contact: Ms. Deborah Wince,
Division of International Programs (202) 357-9516. *

U.S.-India Cooperative Science. (Brochure NSF 75-8).
Contact: Dr. Osman Shinaishin, Division of
International Programs (202) 357-9402. *

- U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537. *
- U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. *
- U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *
- U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

PRIVATE

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

American Heart Association	
Established Investigatorships	July 1
Teaching Scholarship Awards	September 5
Deafness Research Foundation	
Research Grants	July 15
Epilepsy Foundation of America	
General Research Grants	September 1
Merritt-Putnum Clinical Fellowships	September 1
Exxon Foundation	No Deadline
IREX (International Research and Exchange Board with Socialist Countries)	
Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30
March of Dimes	
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Clinical Grants	August 1
Social & Behavioral Sciences	September 1
Basic	October 1
Basil O'Connor Starter Research Grants	Continuous
Minnesota Humanities Commission	May 15 & July 15
Minnesota Medical Foundation	June 30 & September 30

Muscular Dystrophy Association	
Preliminary letter requesting application	Prior to May 31
National Foundation for Ileitis and Colitis	August 1
National Multiple Sclerosis Society	
Research Grant	July 15
Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund	
Fellowships	August 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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ORA RDC Newsletter

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May 1981

Volume X/No. 11

NIH REVISES CONTINUATION KIT-PHS 2590 (REV. 9/80)

NIH has recently revised the form and instructions to apply for continuation of a research grant (PHS 2590).

Starting with the next round, please use this revision, dated 9/80. Major revisions include the deletion of the "assurance statement" following the description of the proposed project on the summary progress report and total revision of Section III, Data for Current Budget Period. The "assurance statement" signature is now incorporated on the face page (item 14). It is imperative that Section III be completed in total (direct/indirect costs) by the department since the format does not allow for identification of salary and wage costs by ORA staff to properly compute indirect cost information. Questions regarding the revised kit should be referred to the appropriate administrator in ORA, Todd Morrison, Susan Stensland or Mary Lou Weiss.

NIH ISSUES "REMINDER TO APPLICANTS" REGARDING COMPLETION REQUIREMENTS OF PHS 398 KIT

A revision of the instructions for completing Form PHS 398 will be issued in the near future. Among the changes will be a clarification of the purpose

of the appendix to the application. The appendix is to be used only for supplementary background material. It is not duplicated with the rest of the application and hence does not go to all members of an Initial Review Group; it is unlikely to receive the same in-depth review as the research plan. Photographs, oversized documents, materials that do not reproduce well, publications and completed manuscripts should still be submitted in six sets as appendix material as presently required by the instructions. However, graphs, diagrams, tables and charts essential to a review group's understanding of the research project should be incorporated into the application itself, rather than be made part of the appendix. Material of a substantially important nature belongs in the body of the application, not in the appendix. In no case should important preliminary data be submitted as an appendix to the application.

The Referral Office of the NIH Division of Research Grants will return incomplete applications. Applications will be considered incomplete if they fail to follow the instructions to Form PHS 398 or if the material presented is insufficient to permit an adequate review without the solicitation of a substantial amount of additional information. The current instructions (page 7) indicate that additional material may be submitted after the receipt date for the application only if it has been specifically solicited or agreed to by prior discussion with an appropriate PHS staff member, i.e., usually the Executive Secretary of the Initial Review Group.

NCI PREVENTIVE ONCOLOGY
ACADEMIC AWARD WITHDRAWN
PENDING EVALUATION

The NCI Preventive Oncology Academic Award announced in the NIH Guide for Grants and Contracts, Vol. 9, No. 1, January 3, 1980, and Vol. 9, No. 4, March 14, 1980, is undergoing evaluation. The May 1, 1981 date and subsequent deadlines for receipt of applications are withdrawn. It is anticipated that a revised announcement with new receipt dates will be issued subsequent to review and recommendations by the Board of Scientific Counselors, Division of Cancer Cause and Prevention. Plans for reactivation of this award will be published in a future issue of the NIH Guide for Grants and Contracts. For further information, investigators may contact Dr. Donald Luecke, Chief, Special Programs Branch, NCI, NIH, Landow Bldg., Rm. 8C18, Bethesda, MD 20205 (301) 496-9600.

NIGMS, NIH ISSUES NOTICE ON SUPPORT
OF RESEARCH CENTER AND PROGRAM
PROJECT GRANTS

NIGMS has issued an announcement which consolidates and summarizes its position regarding Program Project Grants and Research Center Grants. A complete copy may be obtained from the Office of Research Administration at 373-5925.

DHHS ISSUES NOTICE REGARDING
PROTECTION OF HUMAN SUBJECTS,
TEMPORARY REQUIREMENTS FOR
FORM HHS-596

On January 26, 1981, final regulations amending basic HHS policy for the protection of human subjects were published in the Federal Register (46 FR 8366). These new regulations contain exemptions for broad categories of research which involve little or no risk to research subjects. Submission of HHS-596 form is still required for all research involving subjects, as defined in 45 CFR 46, whether exempt or not. A copy of the notice regarding this requirement is available from ORA at 373-5925.

NEH 1982 SUMMER SEMINARS
FOR COLLEGE TEACHERS

NEH has announced the continuation of the program of NEH Summer Seminars for College Teachers for the summer of 1982. 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 purpose of the program is to provide opportunities for teachers to work in their areas of interest with distinguished scholars and to have access to libraries suitable for advanced study and research. For further information, contact Ms. Dorothy Wartenberg, Division of Fellowships and Seminars, NEH, Washington, DC 20506 (202) 724-0376. Proposal submission deadline is July 1, 1981.

FULBRIGHT LECTURING AND RESEARCH
OPPORTUNITIES ANNOUNCED

Fulbright opportunities for lecturing and research abroad have recently been announced. Basic eligibility includes U.S. citizenship, a Ph.D. for research, and teaching experience at the college

level for lecturing. Applications for positions in the American Republic, Australia and New Zealand are due June 1, 1981. Applications for positions in Africa, Asia, Europe and the Middle East are due July 1, 1981. Further information is available from the Council for International Exchange of Scholars, Eleven Dupont Circle, Washington, DC 20036 (202) 833-4950.

U.S. DEPARTMENT OF ENERGY
POSTGRADUATE RESEARCH TRAINING
POSITIONS AVAILABLE

The USDOE has announced postgraduate research training positions at the Morgantown and Pittsburgh Energy Technology Centers for one or two

years. Participants must have received their degree in the physical or earth sciences or engineering within two years prior to the date of application, and must be U.S. citizens or permanent residents. Additional information and applications are available from the Graduate School Fellowship Office, 422 Johnston Hall, 373-2833.

AMERICAN INSTITUTE OF INDIAN
STUDIES AWARD

The American Institute of Indian Studies has announced a variety of awards for scholars in the humanities, social

sciences and natural sciences. U.S. citizens or permanent residents engaged in research or teaching at American colleges or universities are eligible. Application deadline is July 1, 1981. Additional information is available from the Graduate School Fellowship Office, 373-2833. Applications are available from AIIS, University of Chicago, 1130 E. 59th St., Chicago, IL 60637 (312) 753-4350.

NEW ZEALAND NATIONAL RESEARCH
ADVISORY COUNCIL FELLOWSHIPS

The New Zealand National Research Advisory Council has announced the availability of senior and post-

doctoral research fellowships for 1982. Further information and application materials are available from the Graduate School Fellowship Office, 422 Johnston Hall, 373-2833. Application deadline is September 1, 1981.

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 appli-

cations must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	July 1
NIAID, New Investigator Research in Clinical Immunology and Virology	July 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	July 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	July 1
NIH, New Investigator Awards	July 1
NIH, Research Career Development Awards	June 1
NIH, Individual Postdoctoral Fellowships	June 1
NIH, Institutional Training Programs	June 1
NCI, Cancer Clinical Treatment Branch	July 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Program Project Grants	June 1
Research Grants	July 1
NCI, Cancer Centers Support Grant Program	June 1
NHLBI, SERCA: Diabetes-Mellitus - Obstetrical, Perinatal and Pediatric Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	June 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	July 1
NIAMDD, Clinical Investigator Award	June 1
NIA, Basic Aging Program	July 1
NIDR, The National Caries Program	July 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	June 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	July 1

NIOHS, Occupational Cutaneous Hazards and Diseases	July 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	June 1
Institutional Training Grant	June 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	July 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	July 1
NIAID, RFA: Program Projects in Mechanisms of Immunologic Diseases	June 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	July 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	July 1
DRR, Biotechnology Resources Program:	
Resource Grant	June 1
Resource-Related Research Project	July 1
NIDR, Craniofacial Anomalies	July 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	June 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	July 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	June 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	July 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	July 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	July 1
NHLBI, Small Vessel Prostheses	July 1
NHLBI, Research on Consequences of Therapeutic Apheresis	July 1
NHLBI, Minority Hypertension Research Development Summer Program (Institutional NRSA) - Letter of Intent Requested by 5/15/81	September 15
NIDR, NRSA Award for Institutional, Postdoctoral Training Programs in Cariology, FRA: NIH-NIDR-NCP-81-1	June 15
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	July 1
Research Grants, Renewals	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants, NRSA	June 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	June 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	October 5

Food and Drug Administration

Research Grants, New July 1
Research Grants, Renewals June 1

National Institute of Education

Program of Research Grants on Teaching and Learning *October 1981
Program of Research Grants on Desegregation Studies:
Small Grants (Elementary/Secondary/Higher Education
Desegregation) November 24
Major Grants (Elementary/Secondary Desegregation):
Preapplication November 24
Application April 1, 1982
Major Grants (Higher Education Desegregation):
Preapplication November 24
Application April 1, 1982
Application (for preapplication submitted 4/1/81) September 17
Research on Organizational Processes in Education:
Preapplication August 13
Application December 10
Small Grant December 10
Program of Research Grants on Law and Government Studies
in Education:
Preapplication *September 10
Application (for preapplication submitted 3/3/81) September 10
Small Grant *September 10
Unsolicited Proposals Prior to (First Round) March 10
Unsolicited Proposals Prior to (Second Round) January 5 1982
Program of Grants for Research on Institutions of
Postsecondary Education:
Preapplication October 6
Application TBA
Application (for preapplication submitted 3/25/81) October 6
Small Grant October 6
Grants for Research on Knowledge Use and School
Improvement:
Preapplication May 6
Small Grant May 6

*Tentative Deadline

Department of Education

Field Initiated Research, Continuations Only 120 days prior to current
budget period ending date

National Institute of Handicapped Research
Projects, Continuations 90 days prior to end of
current budget period

Health Services Administration

Home Health Program: Availability of Grants for Home
Health Services and Training Projects June 1

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	June 1
Oceanographic Facilities and Support. Contact: Ms. Mary Jhrde, Division of Ocean Sciences (202) 357-7837.	July 1
U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	July 1
Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791.	July 15
West European Regional Programs-Germany and Switzerland. Sabbatical travel in spring semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	August 1
Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	August 1
U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	September 1
Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegrad Kramer, Division of International Programs (202) 357-9550.	September 15

- West European Regional Programs--Germany and Switzerland.
 Joint research proposals. Contact: Mr. Sidney Smith,
 Division of International Programs (202) 357-7554. November 1
- U.S.-Israel Binational Science Foundation (BSF), Bergmann
 postdoctoral awards. Deadline applies to receipt of
 proposals by BSF office in Jerusalem. Do not send them
 to NSF. Contact: Dr. R. Ronkin, Division of
 International Programs (202) 357-7613. November 1
- U.S.-Belgium Cooperation in Science. Proposals for
 fellowships should be submitted September 1 to
 November 1, 1981. Contact: Mr. Henryk Uznanski,
 Division of International Programs (202) 357-7554. November 1
- U.S.-France Cooperation in Science. Exchange of junior
 postdoctoral scientists (Brochure NSF 79-30). Proposals
 should be submitted September 1 to November 1, 1981.
 Contact: Mr. Henryk Uznanski, Division of International
 Programs (202) 357-7554. November 1
- Travel to India and Pakistan under special foreign
 currency. Contact: Mr. Karl Olsoni, Division of
 International Programs (202) 357-9550. December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date
 will be reviewed although they may miss a particular panel meeting.

- United States Antarctic Research. Proposal preparation
 kit must be obtained and used. Contact: Mr. Guy
 Guthridge, Division of Polar Programs (202) 357-7817. June 1
- Science for Citizens. Public Service Science Centers.
 Preliminary proposals (Brochure SE 80-64). Contact:
 Dr. Rachelle Hollander, Office of Science and Society
 (202) 282-7770. June 2
- Ocean Science Project Support. Contact: Dr. Robert Wall,
 Division of Ocean Sciences (202) 357-7924. June 15 &
 September 30
- Biochemistry. Contact: Dr. Robert Newburgh, Division of
 Physiology, Cellular and Molecular Biology
 (202) 357-7904. July 1
- Biophysics. Contact: Dr. Arthur Kowalsky, Division of
 Physiology, Cellular and Molecular Biology
 (202) 357-7945. July 1
- Cell Biology. Contact: Dr. J. Eugene Fox, Division of
 Physiology, Cellular and Molecular Biology
 (202) 357-7474. July 1
- Cellular Physiology. Contact: Dr. Norman Cohn, Division
 of Physiology, Cellular and Molecular Biology
 (202) 357-7905. July 1
- Developmental Biology. Contact: Dr. Mary Clutter,
 Division of Physiology, Cellular and Molecular Biology
 (202) 357-7989. July 1

Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1
Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1
Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	July 15
Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734.	July 17
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	July 17
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	August 1
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	September 1
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	September 1
Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	September 1

Ocean Science Project Support. Contact: Dr. Robert Wall, Division of Ocean Sciences (202) 357-7924.	September 30
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	September 30
U.S.-Italy Cooperative Science. Contact: Ms. Marilyn Rurak, Division of International Programs (202) 357-7554.	November 1

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. Contact: Division of Behavioral and Neural Sciences (202) 357-7564.	*
Behavioral and Neural Sciences: Doctoral Dissertation Research Proposals. Contact: Division of Behavioral and Neural Sciences (202) 357-7564.	*
Development in Science Education (DISE). (Brochure SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (202) 282-7910.	*
Environmental Biology: Doctoral Dissertation Research Proposals. Contact: Division of Environmental Biology (202) 357-7332.	*
Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, Systematic Biology, and Biological Research Resources. Contact: Division of Environmental Biology (202) 357-7332.	*
Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technolgy (202) 357-9572.	*
Research in Science Education (RISE). (Brochure SE 80-55). Contact: Dr. Rita Peterson, Division of Science Education Development and Research (202) 282-7745.	*
Social and Economic Science: Doctoral Dissertation Research Proposals. Contact: Division of Social and Economic Science (202) 357-7967.	*
U.S.-East Asia Cooperative Science. Contact: Dr. Allen Holt, Division of International Programs (202) 357-9537.	*
East European Cooperative Science. Proposals for joint research projects or for joint seminars (six months advance notice); Proposals for short-term visits (three months advance notice). Contact: Ms. Deborah Wince, Division of International Programs (202) 357-9516.	*
U.S.-India Cooperative Science. (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402.	*

- U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537. *
- U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558. *
- U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402. *
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *
- U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537. *

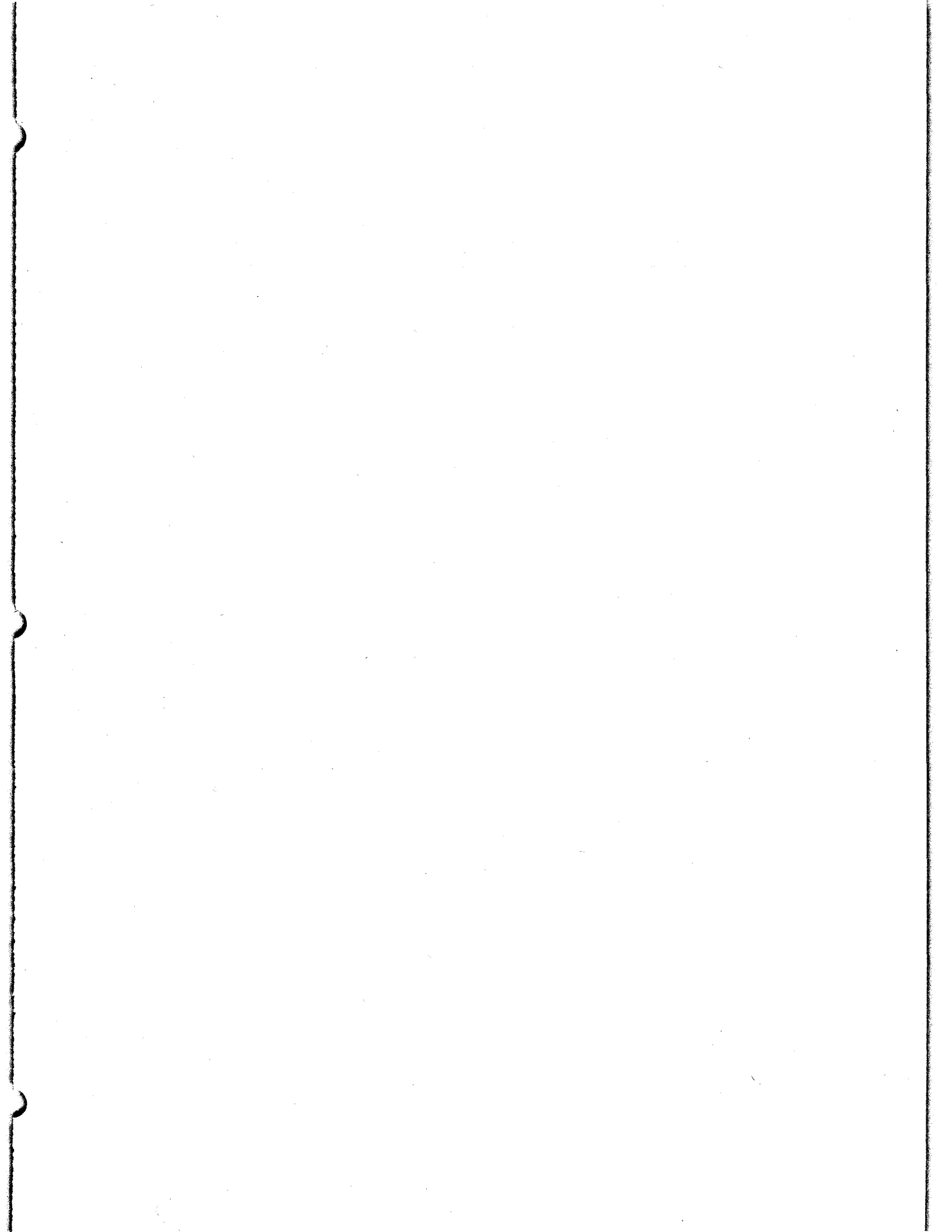
PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Heart Association	
Established Investigatorships	July 1
Teaching Scholarship Awards	September 5
Deafness Research Foundation	
Research Grants	July 15
Epilepsy Foundation of America	
General Research Grants	September 1
Merritt-Putnum Clinical Fellowships	September 1
Exxon Foundation	No Deadline
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	October 1
Career Development Awards	October 1
Leukemia Society of America, Inc.	September 1
March of Dimes	
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Clinical Grants	August 1
Social & Behavioral Sciences	September 1
Basic	October 1
Basil O'Connor Starter Research Grants	Continuous

Minnesota Humanities Commission	May 15, July 15 & September 15
Minnesota Medical Foundation	June 30 & September 30
Muscular Dystrophy Association Preliminary letter requesting application	Prior to May 31
National Foundation for Ileitis and Colitis	August 1
National Multiple Sclerosis Society Research Grant	July 15
Robert Wood Johnson Foundation General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund Fellowships	August 15
Whitney (Helen Hay) Foundation Postdoctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Disease	August 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.



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ORARDC Newsletter

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

June 1981

Volume X/No. 12

NEW INDIRECT COST AGREEMENT RATES NOW APPLIED TO TOTAL DIRECT COSTS

The University has recently negotiated an indirect cost agreement for fiscal year 1981-82 with our cognizant agency, the Department of Health and Human

Services. The date of the agreement is May 4, 1981 and will be effective July 1, 1981. The following rates were developed using a modified total direct cost base that was mandated by the federal government.

	<u>On-campus</u>	<u>Off-campus</u>
Campus Rates		
Research	36.0	20.0
Training (ESA)	49.6	17.2
Hormel Institute	46.8	N/A
S.A.F.H.L.	103.7	N/A

These rates are to be applied to total direct costs (including fringe benefits) less capital equipment, stipends and tuition, and subcontracts. A subcontract is defined as an agreement with an outside party to do work that is scientific or technical in nature where the work is substantive to the objective of the project. Examples of agreements that would not be considered subcontracts are: maintenance agreements, consulting agreements, and editorial or typing service agreements.

The off-campus rate will be used when a person is off-campus for 90 consecutive days or longer. When a project is both on and off campus, the TDC rate to be applied will be determined by the proportion of direct salaries and wages of the on and off campus personnel. If 50% or more of the direct salaries and wages are paid to on-campus personnel, the on-campus rate will be applied to the entire project, otherwise the off-campus rate will be applied to the entire project.

ANIMAL CARE RATES TO INCREASE

Research Animal Resources has announced that inflation and limited internal

funding has forced them to increase their rates. Internal efficiencies and the use of other funds has allowed the rates to remain unchanged since February 1977. A cost study will be initiated in July to develop new rates to be effective October 1, 1981. A new rate schedule will be available in September. For budgeting purposes, Research Animal Resources feels that investigators should increase the current rates by 16%.

GUIDELINES FOR LABORATORY USE
OF CHEMICAL CARCINOGENS

Laboratory Use of Chemical Carcinogens," which contains recommendations and requirements governing the use of chemical carcinogens in its own intramural laboratories, as well as guides to researchers in their selection and use of safeguards that will allow full usage of chemical carcinogens while at the same time minimizing exposures to laboratory personnel. The Guidelines provide an excellent approach to working safely with carcinogens, and all investigators in the extramural community who are working with chemical carcinogens are encouraged to review these Guidelines. A copy may be obtained by writing: National Institutes of Health, Division of Safety, Building 13, Room 2E43, Bethesda, MD 20205.

NIH has adopted a new policy concerning the safe use of chemical carcinogens. It has issued "NIH Guidelines for the

NIH TELEPHONE AND SERVICE
DIRECTORY

Telephone and Service Directory. This action was taken because of the increased costs associated with the production of the directory and postal fees. The NIH Telephone and Service Directory will be stocked by the U.S. Government Printing Office and may be purchased for \$7.00. Copies may be ordered from: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20401.

The National Institutes of Health Telecommunications Branch has recently discontinued the mailing of the NIH

NATION'S LARGEST FOUNDATION TO
INCREASE GRANT FUNDING

least 15 percent" during the fiscal year that begins on October 1. Ford awards grants to community-based groups and other nonprofits for projects in urban and rural poverty, social justice, and other areas. A specific breakdown of the amounts of money available in each area for 1982 will be announced in June.

The nation's largest non-government source of grant funds, the Ford Foundation, will increase its budget by "at

NSF COOPERATIVE SCIENCE PROGRAMS

U.S. scientists through the U.S.-Pakistan and U.S.-India Cooperative Science Programs. Further information is available from the Division of International Programs, National Science Foundation, 1800 G Street N.W., Suite 1214, Washington, D.C. 20550 (202) 357-9402.

Opportunities for study and research in India and Pakistan are available to

WILSON CENTER FELLOWSHIPS

research in several areas. One broadly defined program - History, Culture and Society - enables the Center to attract superior projects from the entire range of scholarship in the humanities and social sciences. There are five other specific areas which the Center has chosen to emphasize: American Society and Politics; Kennan Institute for Advanced Russian Studies; Latin

The Wilson Center Fellowships are residential fellowships for advanced

American Program; International Security Studies Program; East Asia Program. All applicants must hold the Ph.D. and generally have published a major work beyond the Ph.D. dissertation. Application deadline is October 1, 1981. Applications are available from the Woodrow Wilson International Center for Scholars, Smithsonian Institution Building, Washington, D.C. 20560 (202) 357-2841. Further information is available from the Graduate School Fellowship Office, 422 Johnston Hall, 373-2833.

FULBRIGHT SHORT-TERM LECTURESHIPS Fulbright Short-Term Lectureships in Near East and South Asia for Spring or Fall, 1982 are available in the following areas: Fine Arts, Area Studies, Humanities, Social Sciences, Engineering, Natural Sciences, Medicine, Law. Applicants must be U.S. citizens and have college or university teaching experience. French or Arabic language fluency may be required. Applications are available from CIES, Eleven Dupont Circle, Washington, D.C. 20036 (202) 833-4981. Application deadline is July 1, 1981.

INDO-AMERICAN FELLOWSHIP PROGRAM Indo-American Fellowship Program for advanced research in India has recently been announced. Awards are offered without restriction as to field. Applicants must be U.S. citizens at the postdoctoral or equivalent professional level. Applications are available from CIES, Eleven Dupont Circle, Washinton, D.C. 20036 (202) 833-4978. Application deadline is July 1, 1981.

NOAA POSTDOCTORAL RESEARCH GRANTS The National Oceanic and Atmospheric Administration has recently announced the availability of postdoctoral research grants in atmospheric, fisheries, oceanic, satellite sciences and related fields. Applicants must be U.S. citizens and have received their Ph.D. between January 1, 1979 and June 10, 1981. Application deadline is June 10, 1981. Additional information and applications are available from the Graduate School Fellowship Office, 422 Johnston Hall, 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, college, and the Office of Research Administration with a completed BA Form 23, "Approval of Application for Sponsored Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	July 1
NIAID, New Investigator Research in Clinical Immunology and Virology	July 1
NIOHS, Research and Demonstration Grants, Reproductive Effects from Occupational Hazards	July 1
NCI, Research Related to Genetic Susceptibility of Human Breast Cancer	July 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
NCI, Cancer Clinical Treatment Branch	July 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NINCDS, Research Grants Related to Movement Disorders: Research Grants	July 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic, and Endocrinologic Aspects (Annual Deadline)	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	October 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NINCDS, Research Grants in Neurophysiology of Cognitive Processes	July 1
NIAMDD, Clinical Investigator Award	October 1
NIA, Basic Aging Program	July 1
NIDR, The National Caries Program	July 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	October 1
NIOHS, Grants for Research and Demonstrations Relating to Occupational Safety and Health	July 1
NIOHS, Occupational Cutaneous Hazards and Diseases	July 1

NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	October 1
Institutional Training Grant	October 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	July 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	July 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	July 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	July 1
DRR, Biotechnology Resources Program:	
Resource Grant	October 1
Resource-Related Research Project	July 1
NIDR, Craniofacial Anomalies	July 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	October 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	July 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	October 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	July 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	July 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	July 1
NHLBI, Small Vessel Prostheses	July 1
NHLBI, Research on Consequences of Therapeutic Apheresis	July 1
NHLBI, Minority Hypertension Research Development Summer Program (Institutional NRSA) - Letter of Intent Requested by 5/15/81	September 15
NIDR, NRSA Award for Institutional, Postdoctoral Training Programs in Cardiology, FRA: NIH-NIDR-NCP-81-1	June 15
NIAMDD, Research Interests of the Kidney Disease and Urology Program	July 1
NIDR, Wound Healing in Craniofacial Injuries	July 1
NICHHD, Basic and Clinical Studies of Normal Development and Developmental Defects	July 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	July 1
NIAID, RFA: Program Projects in Lymphocyte Biology	July 15
NIHLBI, RFA: Demonstration and Education Research in Heart, Blood Vessel, Lung and Blood Diseases and Blood Resources	August 1
NIA, Academic Award	October 1
NICHHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1

Alcohol, Drug Abuse, and Mental Health

Research Grants, New	July 1
Research Grants, Renewals	October 1
Individual Postdoctoral Fellowships	October 1
Institutional Training Grants, NRSA	October 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	October 1

Health Care Financing Administration

Grants for Research and Demonstration	October 5
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Food and Drug Administration

Research Grants, New	July 1
Research Grants, Renewals	October 1

National Institute of Education

Program of Research Grants on Teaching and Learning	*October 1981
Program of Research Grants on Desegregation Studies: Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24
Major Grants (Elementary/Secondary Desegregation): Preapplication	November 24
Application	April 1, 1982
Major Grants (Higher Education Desegregation): Preapplication	November 24
Application	April 1, 1982
Application (for preapplication submitted 4/1/81)	September 17
Research on Organizational Processes in Education: Preapplication	August 13
Application	December 10
Small Grant	December 10
Program of Research Grants on Law and Government Studies in Education: Preapplication	*September 10
Application (for preapplication submitted 3/3/81)	September 10
Small Grant	*September 10
Unsolicited Proposals Prior to (First Round)	March 10
Unsolicited Proposals Prior to (Second Round)	January 5, 1982
Program of Grants for Research on Institutions of Postsecondary Education: Preapplication	October 6
Application	TBA
Application (for preapplication submitted 3/25/81)	October 6
Small Grant	October 6

*Tentative Deadline

Office of Human Development

Model Projects on Aging Program	July 10
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Department of Education

Field Initiated Research, Continuations Only

120 days prior to current budget period ending date

National Institute of Handicapped Research
Projects, Continuations

90 days prior to end of current budget period

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next twelve months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Oceanographic Facilities and Support. Contact: Ms. Mary Johrde, Division of Ocean Sciences (202) 357-7837.	July 1
U.S.-Israel Binational Science Foundation (BSF) Cooperative Research. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	July 1
Materials Research Laboratories. Contact: Dr. Roman Wasilewski, Division of Materials Research (202) 357-9791.	July 15
West European Regional Programs-Germany and Switzerland. Sabbatical travel in spring semester. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	August 1
Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.	August 1
U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	September 1

Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegrad Kramer, Division of International Programs (202) 357-9550.	September 15
West European Regional Programs-Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
Travel to India and Pakisan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Biochemistry. Contact: Dr. Robert Newburgh, Division of Physiology, Cellular and Molecular Biology (202) 357-7904.	July 1
Biophysics. Contact: Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7945.	July 1
Cell Biology. Contact: Dr. J. Eugene Fox, Division of Physiology, Cellular and Molecular Biology (202) 357-7474.	July 1
Cellular Physiology. Contact: Dr. Norman Cohn, Division of Physiology, Cellular and Molecular Biology (202) 357-7905.	July 1
Developmental Biology. Contact: Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989.	July 1
Genetic Biology. Contact: Dr. Philip Harriman, Division of Physiology, Cellular and Molecular Biology (202) 357-9687.	July 1
Metabolic Biology. Contact: Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987.	July 1

Regulatory Biology. Contact: Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975.	July 1
Measurement Methods and Data Resources. Contact: Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913.	July 15
Science for Citizens. Forums, Conferences, and Workshops. Preliminary proposals (Brochure SE 80-63A). Contact: Dr. Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Science for Citizens, Planning Studies. Preliminary proposals. (Brochure SE 80-63B). Contact: Rachelle Hollander, Office of Science and Society (202) 282-7770.	July 15
Applied Social and Behavioral Sciences. Contact: Dr. Frank Scioli, Division of Applied Research (202) 357-7734.	July 17
Applied Physical Sciences. Contact: Dr. Richard Schoen, Division of Applied Research (202) 357-7534.	July 17
Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	August 1
Ethics and Values in Science and Technology. Formal pro- posals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15
History and Philosophy of Science. Contact: Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617.	September 1
Political Science. Contact: Dr. Gerald Wright, Jr., Division of Social and Economic Science (202) 357-9406.	September 1
Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	September 1
Ethics and Values in Science and Technology (EVIST) - Preliminary Proposals with the earliest starting date of June 1, 1982	September 1
U.S.-Australia Cooperative Science Program (for Long-Term Visits to start between April 1, 1982 and September 30, 1982	September 1

Undergraduate Research Participation (URP) - Announcement of Awards: February 1982	September 11
Science for Citizens (SFC) Forums, Conferences, and Workshops - Formal Proposals with the earliest starting date of April 15, 1982 (Approval of previously submitted Preliminary Proposal required)	September 15
Science for Citizens (SFC) Planning Studies - Formal Proposals with the earliest starting date of April 15, 1982 (Approval of previously submitted Preliminary Proposal required)	September 15
Unsolicited (Preliminary) Research Proposals for the Development in Science Education (DISE) Program (Proposed Starting Dates: July/August 1982) - 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	September 15
Unsolicited (Preliminary) Research Proposals for the Research in Science Education (RISE) Program (Proposed Starting Dates: July/August 1982) - Research Areas include: Science for the Early Adolescent; Science for Women, Minorities, and the Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge	September 15
Unsolicited Research Proposals for the Division of Astronomical Sciences (Proposed Starting Dates: June/July 1982) - Programs include: Astronomical Instrumentation and Development, Galactic and Extragalactic Astronomy, Solar System Astronomy, Stars and Stellar Evolution, and Stellar Systems and Motions	September 15
Unsolicited Research Proposals for the Division of Atmospheric Sciences (Proposed Starting Dates: June/July 1982) - Programs Include: Aeronomy, Atmospheric Chemistry, Experimental Meteorology, Meteorology, and Solar-Terrestrial	September 15
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: June/July 1982) - Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology	September 15
Unsolicited Research proposals for the Division of Chemical and Process Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Chemical and Biochemical Processes; Engineering Energetics; Kinetics, Catalysis, and Reaction Engineering; Minerals and Primary Materials Processing; Particulate and Multiphase Processes; Renewable Materials Engineering; Separation Processes; and, Thermodynamics and Transport Phenomena	September 15

- Unsolicited Research Proposals for the Division of Chemistry (Proposed Starting Dates: June/July 1982) - Programs include: Chemical Analysis, Chemical Dynamics, Chemical Instrumentation, Chemical Physics (Formerly Quantum Chemistry), Structural Chemistry and Thermodynamics, Synthetic Inorganic and Organometallic Chemistry, and Synthetic Organic and Natural Products Chemistry September 15
- Unsolicited Research Proposals for the Division of Civil and Environmental Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Earthquake Hazards Mitigation, Geotechnical Engineering, Structural Mechanics, and Water Resources and Environmental Engineering September 15
- Unsolicited Research Proposals for the Division of Electrical, Computer, and Systems Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Automation, Bioengineering, and Sensing Systems; Computer Engineering; Electrical and Optical Communications; Quantum Electronics, Waves, and Beams; Solid State and Microstructures Engineering; and, Systems Theory and Operations Research September 15
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: June/July 1982) - Programs include: Biological Research Resources, Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology September 15
- Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: June/July 1982) - Programs include: Ceramics, Condensed Matter Theory, Low-Temperature Physics, Metallurgy, Polymers, Solid State Chemistry, and Solid State Physics September 15
- Unsolicited Research Proposals for the Division of Mechanical Engineering and Applied Mechanics (Proposed Starting Dates: June/July 1982) - Programs include: Fluid Mechanics, Heat Transfer, Mechanical Systems, Production Research, and Solid Mechanics September 15
- Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: June/July 1982) - Programs include: Atomic, Molecular, and Plasma Physics; Elementary Particle Physics; Gravitational Physics; Intermediate Energy Physics; Nuclear Physics; and, Theoretical Physics September 15
- Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Earliest Starting Date: February 1, 1982) - Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology & Geophysics September 30
- Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652. September 30

U.S.-Italy Cooperative Science. Contact: Ms. Marilyn
Rurak, Division of International Programs
(202) 357-7554.

November 1

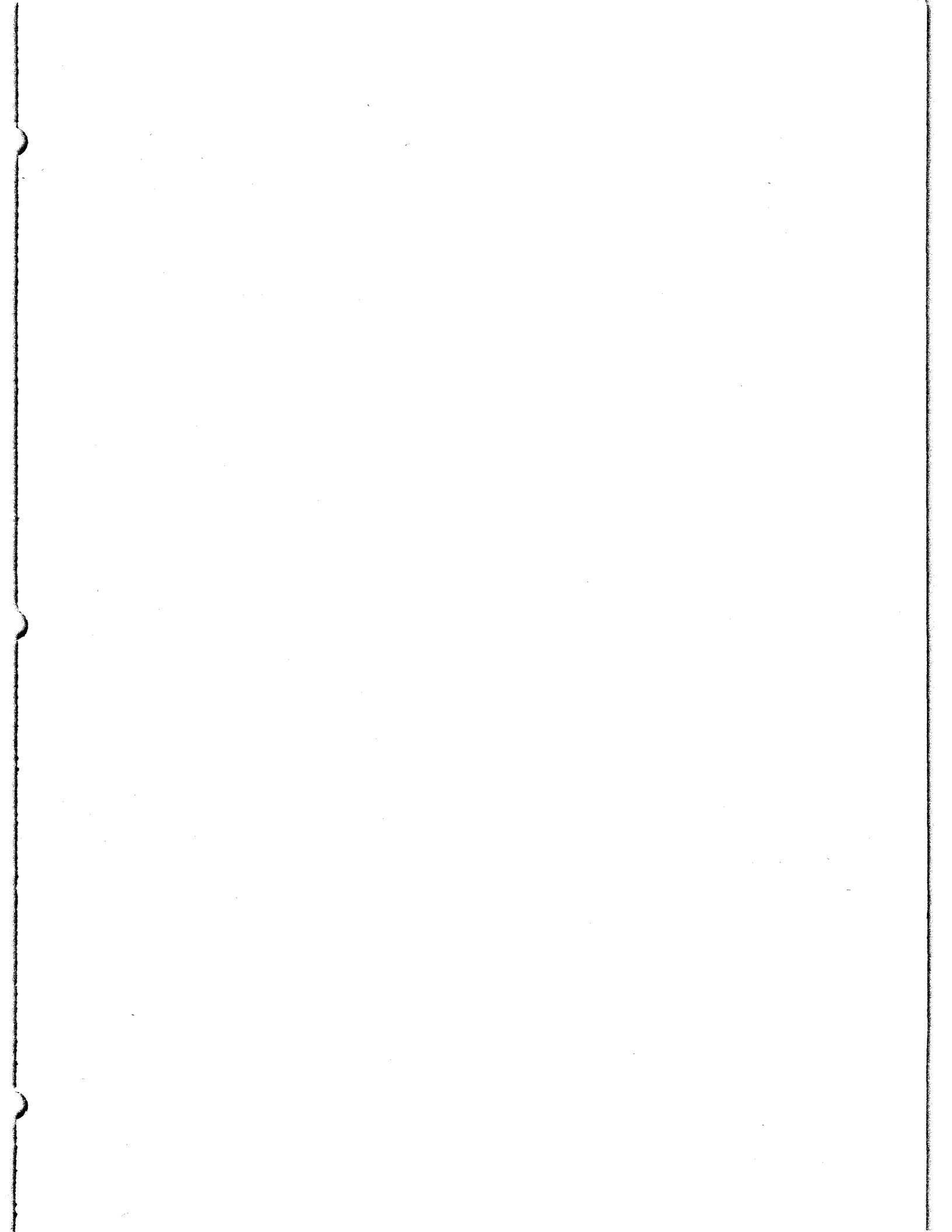
PRIVATE

Questions regarding the following deadlines should be referred to ORA at
373-1920.

American Heart Association	
Established Investigatorships	July 1
Teaching Scholarship Awards	September 5
Deafness Research Foundation	
Research Grants	July 15
Epilepsy Foundation of America	
General Research Grants	September 1
Merritt-Putnum Clinical Fellowships	September 1
Exxon Foundation	No Deadline
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission of formal proposal.	No Deadline
Grant Foundation	
Grants for Psychological and Social Development of Youth	September 1
Juvenile Diabetes Foundation	
Fellowships	October 1
Career Development Awards	October 1
Leukemia Society of America, Inc.	September 1
March of Dimes	
Clinical Grants	August 1
Social & Behavioral Sciences	September 1
Basic	October 1
Basil O'Connor Starter Research Grants	Continuous
Metropolitan Life Foundation	
Awards in Nutrition	June 30
Minnesota Humanities Commission	July 15 & September 15
Minnesota Medical Foundation	June 30 & September 30
Muscular Dystrophy Association	
Preliminary letter requesting application	Prior to May 31
National Foundation for Ileitis and Colitis	August 1
National Multiple Sclerosis Society	
Research Grant	July 15
Pharmaceutical Manufacturers Association Foundation	
Fellowship Program for Advanced Predoctoral Training	September 15
Faculty Development Awards in Toxicologic Pathology	September 1

Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund	
Fellowships	August 15
Whitney (Helen Hay) Foundation	
Postdoctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Disease	August 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

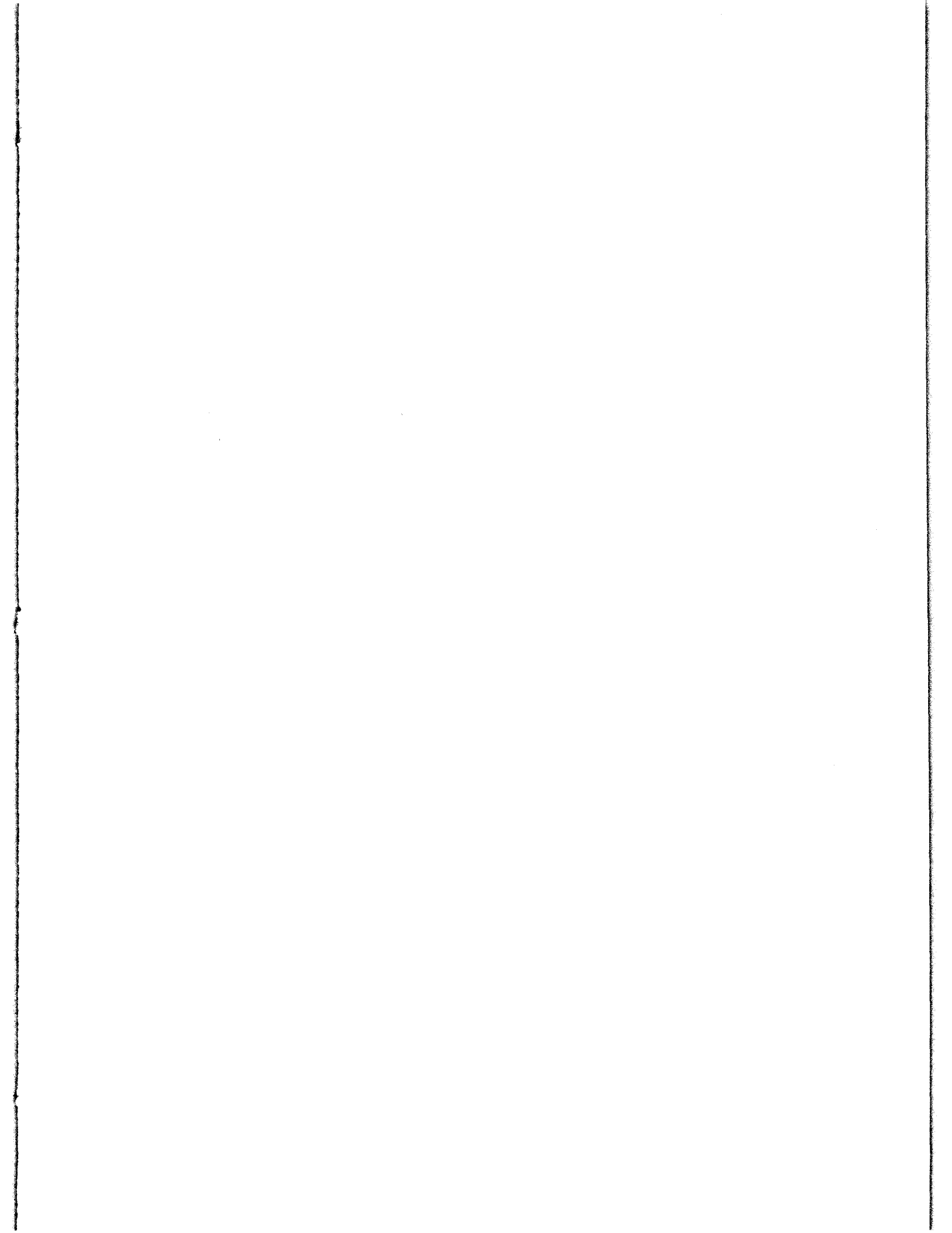


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Administrative Services Center, 5th Floor
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St. Paul, Minnesota 55104

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ORA RDC Newsletter

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July 1981

Volume XI/No. 1

RETROACTIVE SALARY INCREASES ON SPONSORED PROGRAM FUNDS

The following memorandum has been issued by the Vice President for Academic Affairs and the Vice President for Finance and

Operations and is being distributed to deans, directors, department heads, and faculty.

As you are aware, the Legislature's appropriation bill excluded funding for faculty and civil service salary increases. Several departments have raised questions related to what impact this action will have on salaries supported by funds from sponsored projects. This memorandum is intended to respond to some of those questions.

When salary increases are granted, they will be retroactive to July 1, 1981. However, the University does not expect to know the percent increase until late Fall or early Winter and, therefore, cannot set individual salaries. This may cause potentially serious planning problems particularly for those individuals supported on projects that are scheduled to terminate between July 1, 1981 and the actual retroactive payment date. Since University funds will not be available to cover shortfalls in the availability of funds in sponsored projects for salary increases, principal investigators and their administrative staffs will have the responsibility of insuring that adequate funds are reserved for this purpose. Because of the uncertainty in the percent increase, principal investigators must reserve at least enough funds for an 8% increase for academic and civil service salaries. Individual investigators may wish to reserve more. The maximum retroactive payment that will be made will be based on either the amount reserved or the actual increase granted to each individual, whichever is less.

Several federal agencies have been contacted about this problem. Most have expressed a willingness to cooperate and are reviewing their own procedural difficulties posed by this problem. The Office of Research Administration will remain in contact with them and will be providing additional details and specific instructions as more information becomes available. Please contact the Office of Research Administration with any questions or problems.

ORA ISSUES 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 1980 expenditures for sponsored research and training programs by college and sponsor; and information on pro-

posal and award levels during fiscal years 1979 and 1980 by collegiate unit and source. The report is being distributed to deans and department heads. A limited number of copies are available in ORA and can be obtained by calling 376-7353.

REVISION OF B.A. FORM 23

Research or Training Support." It has been re-titled "Application for External Research or Training Support." Departments may continue to use the old form until present supplies are exhausted. The revised form should be available from the General Storehouse by July 1. Special note should be made by principal investigators of the changes to the Approvals and Certifications section, which now incorporates a federally required certification regarding non-availability of existing equipment for use on the proposed project.

ORA has revised its B.A. Form 23, "Approval of Application for Sponsored

REMINDER: NECESSITY FOR PROPOSAL PROCESSING LEAD TIME

arriving in the last few days of a deadline. We have been unable to properly review them and in some instances have had difficulties in meeting the agencies' deadlines. While we will make every attempt to meet the established deadlines, staff should be aware of the problems so that their funding possibilities are not jeopardized.

ORA has experienced problems in reviewing and processing proposals because of the significant number of proposals

CLARIFICATION RELATING TO "MEMORANDUM OF AGREEMENT" (BA FORM 206) FOR SPONSORED PROGRAM ACCOUNTS

handled by ORA. The University of Minnesota Consulting Policy, dated December 15, 1978, requires the use of this form for all sponsored programs handled by ORA, regardless of dollar value of services provided. The form must be signed by the principal investigator, consultant, department head and dean and then forwarded to the Office of Research Administration, 1919 University Avenue, for administrative review and endorsement. Departments are reminded that "intra-University" consulting agreements must also reflect the signature of the responsible vice president prior to review by ORA and final endorsement. Agreements on accounts outside ORA jurisdiction should be forwarded to the Associate Vice President for Finance for final administrative endorsement. Please feel free to contact the appropriate ORA grant administrator if there is any question regarding this procedure.

The Office of Research Administration (ORA) would like to clarify recent confusion regarding the requirement for and processing of the "Memorandum of Agreement," (BA Form 206) on accounts

NEW RCDA APPLICATION INSTRUCTIONS AND BROCHURE

applicants along with the PHS 398 grant application form and its instructions. This booklet also includes the latest printing of the RCDA policy brochure:

A Research Career Development Award (RCDA--K04) instruction booklet is now available, which is to be used by RCDA

"Policies Governing the National Institutes of Health Research Career Development Award, December 15, 1980." RCDA applicants should use this booklet and the PHS 398 form effective with the October 1, 1981 receipt date for applications. Individual copies are available from: Office of Grants Inquiries, Division of Research Grants, National Institutes of Health, Bethesda, MD 20205.

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, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	November 1
NIH, New Investigator Awards	November 1
NIH, Research Career Development Awards	October 1
NIH, Individual Postdoctoral Fellowships	October 1
NIH, Institutional Training Programs	October 1
NCI, Cancer Clinical Treatment Branch	November 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	October 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1

NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	October 1
NIA, Basic Aging Program	November 1
NIDR, The National Caries Program	November 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	October 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	October 1
Institutional Training Grant	October 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	November 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	November 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	November 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	November 1
DRR, Biotechnology Resources Program:	
Resource Grant	October 1
Resource-Related Research Project	November 1
NIDR, Craniofacial Anomalies	November 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	October 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	November 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	October 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	November 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	November 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	November 1
NHLBI, Small Vessel Prostheses	November 1
NHLBI, Research on Consequences of Therapeutic Apheresis	November 1
NHLBI, Minority Hypertension Research Development Summer Program (Institutional NRSA) - Letter of Intent Requested by 5/15/81	September 15
NIAMDD, Research Interests of the Kidney Disease and Urology Program	November 1
NIDR, Wound Healing in Craniofacial Injuries	November 1
NICHD, Basic and Clinical Studies of Normal Development and Developmental Defects	November 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	November 1
NHLBI, RFA: Demonstration and Education Research in Heart, Blood Vessel, Lung and Blood Diseases and Blood Resources	August 1

NIA, Academic Award	October 1
NICHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	November 1
NICHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction-Developmental Nutrition-Infant Nutrition-Nutritional Individuality-Cultural and Behavioral Aspects of Nutrition, etc.)	November 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry-Nutritional Physiology-Nutritional Microbiology-Nutritional Immunology-Nutritional Epidemiology)	November 1
NIA, New Investigator Research Award in Nutrition	November 1
NIDR, Craniofacial Dysmorphology Research	November 1
NIAMDD, New Investigator Research Award in Nutrition	November 1
NCI, Mechanisms of Biological and Chemical Prevention of Carcinogenesis, RFA: NIH-NCI-DCCP-CPCB-81-1	August 15
NIAID, Mechanisms in Food Allergy, RFA: NIH-NIAID-81-4	October 15
NIAID, Asthma and Allergic Disease Centers, RFA-NIH-NIAID-81-5 - Letter of Intent Requested by 7/15/81	October 15
NIEHS, Immunotoxicology of Environmental Health Sciences, RFA-NIH-NIES-EP-81-3	August 1
NIDR, Specialized Clinical Research Centers for Periodontal Disease	October 1
NHLBI, Dietary Sodium and Its Role in the Prevention and Management of Hypertension	November 1
NIAMDD, Continuous Ambulatory Peritoneal Dialysis (CAPD) as a Maintenance Therapy for the Chronic Renal Failure Patient	November 1
NINCDS/NIA, Alzheimer's Disease and Other Related Dementias of Aging	November 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic, and Endocrinologic Aspects (Annual Deadline)	June 1
 <u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
Individual Postdoctoral Fellowships	October 1
Institutional Training Grants, NRSA	October 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	October 1
NIAAA, Special Notification for Research on Nutrition and Behavior	November 1
NIMH, Research Areas in Nutrition	November 1
 <u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	October 5

Food and Drug Administration

Research Grants, New
Research Grants, Renewals

November 1
October 1

National Institute of Education

Program of Research Grants on Teaching and Learning
Program of Research Grants on Desegregation Studies:
Small Grants (Elementary/Secondary/Higher Education
Desegregation)

*October 1981

November 24

Major Grants (Elementary/Secondary Desegregation):
Preapplication
Application

November 24

April 1, 1982

Major Grants (Higher Education Desegregation):
Preapplication
Application

November 24

April 1, 1982

Application (for preapplication submitted 4/1/81)

September 17

Research on Organizational Processes in Education:
Preapplication
Application

August 13

December 10

Small Grant

December 10

Program of Research Grants on Law and Government Studies
in Education:

Preapplication

*September 10

Application (for preapplication submitted 3/3/81)

September 10

Small Grant

*September 10

Unsolicited Proposals Prior to (First Round)

March 10

Unsolicited Proposals Prior to (Second Round)

January 5, 1982

Program of Grants for Research on Institutions of
Postsecondary Education:

Preapplication

October 6

Application

TBA

Application (for preapplication submitted 3/25/81)

October 6

Small Grant

October 6

*Tentative Deadline

Office of Human Development

Model Projects on Aging Program

July 10

Administration on Developmental Disabilities, Special
Project Grant Program, Projects of National Significance
in Developmental Disabilities:

July 20

A) Develop and Implement a Model Demonstration Training
and Staff Development Program to Assist Employees in
the Transition from State Residential Facilities to
Community Programs

B) To Increase the Number and Quality of Minority
Professionals in the Development Disabilities
Service System by Soliciting the Participation of
Historically and Predominantly Black Colleges

C) A Model Demonstration Program in the Provision of
Services to Long Term Care Developmentally Disabled
Individuals in Community Residences

- D) A Model Demonstration Program that will Assist States Improve the Effectiveness and Efficiency of Providing Services to Hearing Impaired Developmentally Disabled (HIDD) Persons
- E) Develop Model Demonstrations of Protection and Advocacy with Institutionalized Developmentally Disabled Persons
- F) Determine to What Extent Economic, Social and Psychological Barriers Impact Upon Developmentally Disabled Family Units and Develop a Model for Alleviating Their Negative Effects
- G) A Model Demonstration Project that will Assess the Incidence, Degree of Severity and Service Needs of Developmentally Disabled Persons Pursuant to the New Functional Definition

Department of Education

Field Initiated Research, Continuations Only	120 days prior to current budget period ending date
National Institute of Handicapped Research Projects, Continuations	90 days prior to end of current budget period
International Understanding Program	July 20

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next six months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

West European Regional Programs-Germany and Switzerland.

Sabbatical travel in spring semester. Contact:

Mr. Sidney Smith, Division of International Programs
(202) 357-7554.

August 1

Public Understanding of Science. Formal Proposals (Brochure SE 79-60). Contact: Dr. Jean Intermaggio, Office of Science and Society (202) 282-7770.

August 1

U.S.-France Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.

August 15

U.S.-Belgium Cooperation in Science. Long-term research travel support (for awards to be made for the spring semester). Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	August 15
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	September 1
Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700.	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegard Kramer, Division of International Programs (202) 357-9550.	September 15
West European Regional Programs-Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554.	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613.	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.	November 1
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550.	December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Climate Dynamics. Contact: Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892.	August 1
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	August 3
Economics. Contact: Dr. Daniel Newlon, Division of Social and Economic Science (202) 357-9675.	August 15
Geography and Regional Science. Contact: Barry Moriarty, Division of Social and Economic Science (202) 357-7326.	August 15
Law and Social Sciences. Contact: Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567.	August 15
Sociology. Contact: Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802.	August 15

Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770.	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817.	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958.	September 1
Ethics and Values in Science and Technology (EVIST) - Preliminary Proposals with the earliest starting date of June 1, 1982	September 1
U.S.-Australia Cooperative Science Program (for Long-Term Visits to start between April 1, 1982 and September 30, 1982	September 1
Undergraduate Research Participation (URP) - Announcement of Awards: February 1982	September 11
Science for Citizens (SFC) Forums, Conferences, and Workshops - Formal Proposals with the earliest starting date of April 15, 1982 (Approval of previously submitted Preliminary Proposal required)	September 15
Science for Citizens (SFC) Planning Studies - Formal Proposals with the earliest starting date of April 15, 1982 (Approval of previously submitted Preliminary Proposal required)	September 15
Unsolicited (Preliminary) Research Proposals for the Development in Science Education (DISE) Program (Proposed Starting Dates: July/August 1982) - 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	September 15
Unsolicited (Preliminary) Research Proposals for the Research in Science Education (RISE) Program (Proposed Starting Dates: July/August 1982) - Research Areas include: Science for the Early Adolescent; Science for Women, Minorities, and the Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge	September 15
Unsolicited Research Proposals for the Division of Astronomical Sciences (Proposed Starting Dates: June/July 1982) - Programs include: Astronomical Instrumentation and Development, Galactic and Extragalactic Astronomy, Solar System Astronomy, Stars and Stellar Evolution, and Stellar Systems and Motions	September 15
Unsolicited Research Proposals for the Division of Atmospheric Sciences (Proposed Starting Dates: June/July 1982) - Programs Include: Aeronomy, Atmospheric Chemistry, Experimental Meteorology, Meteorology, and Solar-Terrestrial	September 15

- Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: June/July 1982) - Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology September 15
- Unsolicited Research Proposals for the Division of Chemical and Process Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Chemical and Biochemical Processes; Engineering Energetics; Kinetics, Catalysis, and Reaction Engineering; Minerals and Primary Materials Processing; Particulate and Multiphase Processes; Renewable Materials Engineering; Separation Processes; and, Thermodynamics and Transport Phenomena September 15
- Unsolicited Research Proposals for the Division of Chemistry (Proposed Starting Dates: June/July 1982) - Programs include: Chemical Analysis, Chemical Dynamics, Chemical Instrumentation, Chemical Physics (Formerly Quantum Chemistry), Structural Chemistry and Thermodynamics, Synthetic Inorganic and Organometallic Chemistry, and Synthetic Organic and Natural Products Chemistry September 15
- Unsolicited Research Proposals for the Division of Civil and Environmental Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Earthquake Hazards Mitigation, Geotechnical Engineering, Structural Mechanics, and Water Resources and Environmental Engineering September 15
- Unsolicited Research Proposals for the Division of Electrical, Computer, and Systems Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Automation, Bioengineering, and Sensing Systems; Computer Engineering; Electrical and Optical Communications; Quantum Electronics, Waves, and Beams; Solid State and Microstructures Engineering; and, Systems Theory and Operations Research September 15
- Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: June/July 1982) - Programs include: Biological Research Resources, Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology September 15
- Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: June/July 1982) - Programs include: Ceramics, Condensed Matter Theory, Low-Temperature Physics, Metallurgy, Polymers, Solid State Chemistry, and Solid State Physics September 15

Unsolicited Research Proposals for the Division of Mechanical Engineering and Applied Mechanics (Proposed Starting Dates: June/July 1982) - Programs include: Fluid Mechanics, Heat Transfer, Mechanical Systems, Production Research, and Solid Mechanics	September 15
Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: June/July 1982) - Programs include: Atomic, Molecular, and Plasma Physics; Elementary Particle Physics; Gravitational Physics; Intermediate Energy Physics; Nuclear Physics; and, Theoretical Physics	September 15
Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Earliest Starting Date: February 1, 1982) - Programs include: Biological Oceanography, Marine Chemistry, Physical Oceanography, and Submarine Geology & Geophysics	September 30
Biological Instrumentation. Contact: Dr. Larry Faller, Division of Physiology, Cellular and Molecular Biology (202) 357-7652.	September 30
Mathematical Sciences. Contact: Dr. William Rosen (202) 357-7341.	October 25

*NSF 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.

Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology. Contact: Division of Behavioral and Neural Sciences (202) 357-7564. *

Behavioral and Neural Sciences: Doctoral Dissertation Research Proposals. Contact: Division of Behavioral and Neural Sciences (202) 357-7564. *

Development in Science Education (DISE). (Brochure SE 80-50). Contact: Mr. Alexander Barton, Division of Science Education Development and Research (202) 282-7910. *

Environmental Biology: Doctoral Dissertation Research Proposals. Contact: Division of Environmental Biology (202) 357-7332. *

Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, Systematic Biology, and Biological Research Resources. Contact: Division of Environmental Biology (202) 357-7332. *

Information Science and Technology. Contact: Dr. Howard Resnikoff, Division of Information Science and Technology (202) 357-9572. *

Research in Science Education (RISE). (Brochure SE 80-55). Contact: Dr. Rita Peterson, Division of Science Education Development and Research (202) 282-7745. *

Social and Economic Science: Doctoral Dissertation
 Research Proposals. Contact: Division of Social and
 Economic Science (202) 357-7967. *

U.S.-East Asia Cooperative Science. Contact: Dr. Allen
 Holt, Division of International Programs (202) 357-9537. *

East European Cooperative Science. Proposals for joint
 research projects or for joint seminars (six months
 advance notice); Proposals for short-term visits (three
 months advance notice). Contact: Ms. Deborah Wince,
 Division of International Programs (202) 357-9516. *

U.S.-India Cooperative Science. (Brochure NSF 75-8).
 Contact: Dr. Osman Shinaishin, Division of
 International Programs (202) 357-9402. *

U.S.-Japan Cooperative Science. 1) Long-term visits of
 from six months to one year duration; 2) Short-term
 visits to develop proposals in areas of food produc-
 tivity or marine biology; 3) Cooperative research propo-
 sals in areas of food productivity or marine biology.
 Contact: Dr. Stephen R. Mosier, Division of
 International Programs (202) 357-9537. *

U.S.-New Zealand Cooperative Science. Letter proposals
 for cooperative research development in physical
 oceanography; marine geophysics and geology; and marine
 biology. Contact: Mr. Alan Milsap, Division of
 International Programs (202) 357-9558. *

U.S.-Pakistan Cooperative Science (Brochure NSF 75-8).
 Contact: Dr. Osman Shinaishin, Division of International
 Programs (202) 357-9402. *

U.S.-Republic of Korea Cooperative Science. Contact:
 Dr. Maurice Edwards, Division of International Programs
 (202) 357-9537. *

U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice
 Edwards, Division of International Programs
 (202) 357-9537. *

PRIVATE

Questions regarding the following deadlines should be referred to ORA at
 373-1920.

American Cancer Society	
Fellowship and Scholar Applications	October 1
Research Grants	November 1
American Council of Learned Societies	
Fellowships	September 30
Study Fellowships	November 15
Chinese Programs	November 3
American Egg Board	
Graduate Fellowship in Product and Market Development	August 1

American Heart Association	
Grants-In-Aid	October 1
Teaching Scholarship Awards	September 5
American Heart Association - Minnesota Affiliate	
Fellowships	November 15
Grants-In-Aid	November 30
American Lung Association	
Fellowships	November 1
Deafness Research Foundation	
Research Grants	July 15
Epilepsy Foundation of America	
General Research Grants	September 1
Merritt-Putnum Clinical Fellowships	September 1
Exxon Foundation	No Deadline
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission of formal proposal.	No Deadline
Grant Foundation	
Grants for Psychological and Social Development of Youth	September 1
Juvenile Diabetes Foundation	
Fellowships	October 1
Career Development Awards	October 1
Leukemia Society of America, Inc.	September 1
March of Dimes	
Clinical Grants	August 1
Social & Behavioral Sciences	September 1
Basic	October 1
Basil O'Connor Starter Research Grants	Continuous
Minnesota Humanities Commission	August 14 & November 15
Minnesota Medical Foundation	September 30 & December 31
National Foundation for Ileitis and Colitis	August 1
National Fund for Medical Education	
Grants	October 1
Fellowships	November 1
National Kidney Foundation	
Research Fellowships	October 1
National Multiple Sclerosis Society	
Research Grant	July 15
Noyes (Jessie Smith) Foundation	
Areas of environment, education, and health (letter of inquiry)	November 1
Orthopaedic Research and Education Foundation	
Research Grants	October 15

Pharmaceutical Manufacturers Association Foundation	
Fellowship Program for Advanced Predoctoral Training	September 15
Faculty Development Awards in Toxicologic Pathology	September 1
Research Starter Grant	October 16
Faculty Development Awards in Clinical Pharmacology	October 1
Faculty Development Awards in Pharmacology	December 15
Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund	
Fellowships	August 15
Whitney (Helen Hay) Foundation	
Postdoctoral Fellowships in Basic Medical Sciences, and Rheumatic Heart Disease	August 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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 1981-1982. 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, 1981.

Instructions and application forms may be obtained from the Dean's Committee for the ASC Institutional Research Grant, Room 421 Masonic Hospital, telephone: 373-4318.

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, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	November 1
NIH, New Investigator Awards	November 1
NIH, Research Career Development Awards	October 1
NIH, Individual Postdoctoral Fellowships	October 1
NIH, Institutional Training Programs	October 1
NCI, Cancer Clinical Treatment Branch	November 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	Open
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	October 1

NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	October 1
NIA, Basic Aging Program	November 1
NIDR, The National Caries Program	November 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	October 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	October 1
Institutional Training Grant	October 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	November 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	November 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	November 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	November 1
DRR, Biotechnology Resources Program:	
Resource Grant	October 1
Resource-Related Research Project	November 1
NIDR, Craniofacial Anomalies	November 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	October 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	November 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	October 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	November 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	November 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	November 1
NHLBI, Small Vessel Prostheses	November 1
NHLBI, Research on Consequences of Therapeutic Apheresis	November 1
NHLBI, Minority Hypertension Research Development Summer Program (Institutional NRSA) - Letter of Intent Requested by 5/15/81	September 15
NIAMDD, Research Interests of the Kidney Disease and Urology Program	November 1
NIDR, Wound Healing in Craniofacial Injuries	November 1
NICHD, Basic and Clinical Studies of Normal Development and Developmental Defects	November 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	November 1
NIA, Academic Award	October 1

NICHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	November 1
NICHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction-Developmental Nutrition-Infant Nutrition-Nutritional Individuality-Cultural and Behavioral Aspects of Nutrition, etc.)	November 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry-Nutritional Physiology-Nutritional Microbiology-Nutritional Immunology-Nutritional Epidemiology)	November 1
NIA, New Investigator Research Award in Nutrition	November 1
NIDR, Craniofacial Dysmorphology Research	November 1
NIAMDD, New Investigator Research Award in Nutrition	November 1
NCI, Mechanisms of Biological and Chemical Prevention of Carcinogenesis, RFA: NIH-NCI-DCCP-CPCB-81-1	August 15
NIAID, Mechanisms in Food Allergy, RFA: NIH-NIAID-81-4	October 15
NIAID, Asthma and Allergic Disease Centers, RFA-NIH-NIAID-81-5 - Letter of Intent Requested by 7/15/81	October 15
NIDR, Specialized Clinical Research Centers for Periodontal Disease	October 1
NHLBI, Dietary Sodium and Its Role in the Prevention and Management of Hypertension	November 1
NIAMDD, Continuous Ambulatory Peritoneal Dialysis (CAPD) as a Maintenance Therapy for the Chronic Renal Failure Patient	November 1
NINCDS/NIA, Alzheimer's Disease and Other Related Dementias of Aging	November 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic, and Endocrinologic Aspects (Annual Deadline)	June 1
NIEHS, RFA: Biological Effects of Chemical Interactions, NIH-NIEHS-EP-81-4	October 15
NCI, RFA: Role of Tumor Promoters, Hormones, and Other Cofactors in Human Cancer Causation, NIH-NCI-DCCP-CPCB-81-2	December 1
NIAID, Clinical Investigator Award	October 1
NHLBI, NIADDK, Research in the Thalassemias	November 1
DRR, Biomedical Research Support Shared Instrumentation Grants	October 15
NCI, Surgical Oncology Research	November 1
NCI, RFA: Surgical Oncology Research, NIH-NCI-DCT-CTEP-C1B-81-3	October 15

Alcohol, Drug Abuse, and Mental Health

Research Grants, New	November 1
Research Grants, Renewals	October 1
Individual Postdoctoral Fellowships	October 1

Institutional Training Grants, NRSA	October 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	October 1
NIAAA, Special Notification for Research on Nutrition and Behavior	November 1
NIMH, Research Areas in Nutrition	November 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	October 5
<u>Food and Drug Administration</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
<u>National Institute of Education</u>	
Program of Research Grants on Teaching and Learning	*October 1981
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24
Major Grants (Elementary/Secondary Desegregation):	
Preapplication	November 24
Application	April 1, 1982
Major Grants (Higher Education Desegregation):	
Preapplication	November 24
Application	April 1, 1982
Application (for preapplication submitted 4/1/81)	September 17
Research on Organizational Processes in Education:	
Preapplication	August 13
Application	December 10
Small Grant	December 10
Program of Research Grants on Law and Government Studies in Education:	
Preapplication	*September 10
Application (for preapplication submitted 3/3/81)	September 10
Small Grant	*September 10
Unsolicited Proposals Prior to (First Round)	March 10
Unsolicited Proposals Prior to (Second Round)	January 5, 1982
Program of Grants for Research on Institutions of Postsecondary Education:	
Preapplication	October 6
Application	TBA
Application (for preapplication submitted 3/25/81)	October 6
Small Grant	October 6
<u>Fund for the Improvement of Postsecondary Education</u>	
FIPSE, Comprehensive Program, Preliminary	
(Final deadline to be announced in Federal Register and competitive application materials.)	*December 1
FIPSE, Mina Shaughnessy Scholars Program	*October 27

Department of Education
National Institute of Handicapped Research

August 10

Office of Child Support Enforcement
Child Support Enforcement Research Demonstration Grants

December 1

*Tentative Deadline

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National Science Foundation

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Science in Developing Countries. (Brochures NSF 80-6, NSF 78-41). Contact: Dr. Gordon Hiebert, Division of International Programs (202) 357-9700	September 1
U.S.-India Exchange of Scientists. (Brochure NSF 78-66). Contact: Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	September 15
West European Regional Programs-Germany and Switzerland. Joint research proposals. Contact: Mr. Sidney Smith, Division of International Programs (202) 357-7554	November 1
U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613	November 1
U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	November 1
U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	November 1
Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550	December 1

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Ethics and Values in Science and Technology. Preliminary Proposals (Brochure SE 80-62). Contact: Dr. Arthur Norberg, Office of Science and Society (202) 282-7770	September 1
Arctic Research. Brochure available upon request. Contact: Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817	September 1
Earth Sciences: Geology, Geochemistry, Petrology, and Geophysics. Contact: Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	September 1
Ethics and Values in Science and Technology (EVIST) - Preliminary Proposals with the earliest starting date of June 1, 1982	September 1
U.S.-Australia Cooperative Science Program (for Long-Term Visits to start between April 1, 1982 and September 30, 1982)	September 1
Undergraduate Research Participation (URP) - Announcement of Awards: February 1982	September 11
Science for Citizens (SFC) Forums, Conferences, and Workshops - Formal Proposals with the earliest starting date of April 15, 1982 (Approval of previously submitted Preliminary Proposal required)	September 15
Science for Citizens (SFC) Planning Studies - Formal Proposals with the earliest starting date of April 15, 1982 (Approval of previously submitted Preliminary Proposal required)	September 15
Unsolicited (Preliminary) Research Proposals for the Development in Science Education (DISE) Program (Proposed Starting Dates: July/August 1982) - 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	September 30
Unsolicited (Preliminary) Research Proposals for the Research in Science Education (RISE) Program (Proposed Starting Dates: July/August 1982) - Research Areas include: Science for the Early Adolescent; Science for Women, Minorities, and the Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge	September 30
Unsolicited Research Proposals for the Division of Astronomical Sciences (Proposed Starting Dates: June/July 1982) - Programs include: Astronomical Instrumentation and Development, Galactic and Extragalactic Astronomy, Solar System Astronomy, Stars and Stellar Evolution, and Stellar Systems and Motions	September 30

<p>Unsolicited Research Proposals for the Division of Atmospheric Sciences (Proposed Starting Dates: June/July 1982) - Programs Include: Aeronomy, Atmospheric Chemistry, Experimental Meteorology, Meteorology, and Solar-Terrestrial</p>	September 30
<p>Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: June/July 1982) - Programs include: Anthropology, Linguistics, Memory and Cognitive Processes, Neurobiology, Psychobiology, Sensory Physiology and Perception, and Social and Developmental Psychology</p>	September 30
<p>Unsolicited Research proposals for the Division of Chemical and Process Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Chemical and Biochemical Processes; Engineering Energetics; Kinetics, Catalysis, and Reaction Engineering; Minerals and Primary Materials Processing; Particulate and Multiphase Processes; Renewable Materials Engineering; Separation Processes; and, Thermodynamics and Transport Phenomena</p>	September 30
<p>Unsolicited Research Proposals for the Division of Chemistry (Proposed Starting Dates: June/July 1982) - Programs include: Chemical Analysis, Chemical Dynamics, Chemical Instrumentation, Chemical Physics (Formerly Quantum Chemistry), Structural Chemistry and Thermodynamics, Synthetic Inorganic and Organometallic Chemistry, and Synthetic Organic and Natural Products Chemistry</p>	September 30
<p>Unsolicited Research Proposals for the Division of Civil and Environmental Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Earthquake Hazards Mitigation, Geotechnical Engineering, Structural Mechanics, and Water Resources and Environmental Engineering</p>	September 30
<p>Unsolicited Research Proposals for the Division of Electrical, Computer, and Systems Engineering (Proposed Starting Dates: June/July 1982) - Programs include: Automation, Bioengineering, and Sensing Systems; Computer Engineering; Electrical and Optical Communications; Quantum Electronics, Waves, and Beams; Solid State and Microstructures Engineering; and, Systems Theory and Operations Research</p>	September 30
<p>Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: June/July 1982) - Programs include: Biological Research Resources, Ecology, Ecosystem Studies, Population Biology and Physiological Ecology, and Systematic Biology</p>	September 30

Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: June/July 1982) - Programs include: Ceramics, Condensed Matter Theory, Low-Temperature Physics, Metallurgy, Polymers, Solid State Chemistry, and Solid State Physics	September 30
Unsolicited Research Proposals for the Division of Mechanical Engineering and Applied Mechanics (Proposed Starting Dates: June/July 1982) - Programs include: Fluid Mechanics, Heat Transfer, Mechanical Systems, Production Research, and Solid Mechanics	September 30
Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: June/July 1982) - Programs include: Atomic, Molecular, and Plasma Physics; Elementary Particle Physics; Gravitational Physics; Intermediate Energy Physics; Nuclear Physics; and, Theoretical Physics	September 30
International Travel Grant Program (For Individual or Group Travel after January 1, 1982)	October 1
Public Understanding of Science (PUOS) Program - Preliminary Proposals with the earliest starting date of June 1, 1982	October 1
U.S.-Australia Cooperative Science Program (For Long-Term Visits to start between April 1, 1982 and September 30, 1982; for Cooperative Research and Seminar/Workshops to be held between July 1, 1982 and December 31, 1982)	October 1
U.S.-France Exchange of Scientists (Announcement of Awards: mid-March 1982)	October 1
Unsolicited (Formal) Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Dates: June through August 1982)	October 1
Unsolicited Research Proposals for the Mathematical Sciences Section (for Funding in June/July/August 1982)- Programs include: Algebra and Number Theory; Applied Mathematics; Classical Analysis; Modern Analysis; Probability and Statistics; Special Projects; and Topology, Geometry, and Foundations	October 25
Specialized Engineering Research Equipment Grants (Announcement of Awards: April 1982)	November 2
U.S.-Italy Cooperative Science Program (For Cooperative Research or Joint Workshops with proposed starting dates between May 1, 1982 and September 30, 1982)	November 2
U.S.-Japan Cooperative Science Program (For Seminars to be held between September 1, 1982 and August 31, 1983)	November 2
U.S.-Latin America Cooperative Science Program (For Cooperative Research with proposed starting dates in July or August 1982; For Research-Oriented Workshops to be held in November or December 1982)	November 2
U.S.-New Zealand Cooperative Science Program (For Long-Term Visits to start between September 1, 1982 and August 31, 1983)	November 2

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ORA RDC Newsletter

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

August 1981

Volume XI/No. 2

NEW FRINGE BENEFIT RATES

The following fringe benefit rates, for billing purposes, are in effect as of July 1, 1981 and will continue for the remainder of calendar year 1981.

*Group Life rate is the only one which changed from the rates published in the March Newsletter.

	Academic %	Civil Service %
Health Plan	3.5696	5.2482
Unemployment Compensation	.0785	.6491
Workers Compensation	.1809	.6354
Group Life	.2918*	.3859*
F.I.C.A.	4.5725	6.3681
Retirement	<u>10.2317</u>	<u>6.0000</u>
	18.9250	19.2867

Estimated rates to be used for budgeting beyond CY 1981:

20.0

20.0

NIH PROVIDES SPECIAL APPROVAL FOR TRAVEL TO JOINT SYMPOSIUM

It is expected that a large number of NIH grantee investigators will be justified in seeking approval for use

of existing grant funds for attendance at the Joint Symposium of the VII International Biophysics Congress and III Pan-American Biochemistry Congress, scheduled to be held in Mexico City, August 23-29, 1981. Ordinarily each investigator would be required to solicit prior approval from the NIH awarding component. In order to minimize the administrative burden for both the investigator and the NIH awarding component, and to expedite the approval process, the following special provisions will apply to travel to this particular Seminar only.

- Each trip to Mexico City for the Congress (and the dollars involved) must be specifically approved in advance in writing by an appropriate grantee institution official. The NIH awarding component shall be notified of the travel for information only. The institution's approval document shall be retained with grant expenditure records.
- Existing grant funds may be used. No supplemental funds will be provided for this purpose.

- No precedent is being established for other meetings involving foreign travel.

NEW LAW ON PATENTS (P.L. 96-517)
EFFECTIVE 7/1/81

On July 1, 1981, P.L. 96-517 (an amendment to Title 35 of the United States Code, entitled "Patents") became

effective. The amendment adds to the Code a new Chapter 30, the major provisions of which are as follows:

- In effect, the Act codifies and extends many past DHHS policies on patents under the Institutional Patent Agreements.
- All non-profit and small business grantees and contractors will have the option of obtaining title to patents resulting from federally sponsored research.
- As in the past, all inventions must be reported to the funding agency.
- The Government will retain a royalty-free license to the inventions and, if it deems necessary, may exercise march-in rights.
- Exclusive licenses may be negotiated.
- The individual inventor must share in the royalties.
- The Office of Management and Budget will publish in the Federal Register a notice which solicits comments on its proposed implementation of this Act. Members of the public will be invited to comment. This will be followed by issuance of NIH guidelines implementing the Government-wide regulations as they apply to NIH programs.

NIH ISSUES NEW CATALOG OF RODENTS

This edition of the catalog replaces the 1974 edition, and has been expanded

to reflect the increased number of animal strains and stocks contained in the NIH Genetic Resource. Characteristics of the 209 strains and stocks of rodents and rabbits listed in the catalog are fully referenced. The format, which includes subject and animal indexes, has been designed to facilitate its use in identifying potential animal models for research. Detailed descriptions of the management and microbiological definition of the Resource colonies, including their nutrition and associated quality assurance programs, are provided to better inform readers about the conditions under which the animals are maintained.

Information is also provided which describes the procedures for obtaining animals from the Genetic Resource for establishing colonies outside of the National Institutes of Health.

Requests for copies of the catalog may be directed to: Office of the Chief, Veterinary Resources Branch, Division of Research Services, Building 14G, Room 102, National Institutes of Health, Bethesda, MD 20205.

U.S.-Switzerland Cooperative Science Program (For Joint Research with the earliest starting date of August 1982)	November 2
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: June/July 1982) - Programs include: Biochemistry, Biophysics, Cell Biology, Cellular Physiology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	November 2
Program for the Analyses of Science Resources (For FY 1982 Funding)	November 15
U.S.-Germany Cooperative Science Program (For Joint Research with proposed starting dates from August 1982 through October 1982)	November 30
Engineering Research Initiation Grants (Proposed Starting Date: April 15, 1982)	December 1
Ethics and Values in Science and Technology (EVIST) - Formal Proposals with the earliest starting date of June 1, 1982 (Approval of previously submitted Preliminary Proposal required)	December 1
Public Understanding of Science (PUOS) program - Formal Proposals with the earliest starting date of June 1, 1982 (Approval of previously submitted Preliminary Proposal required)	December 1
U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: June 1982)	December 1
Unsolicited Research Proposals for the Climate Dynamics Program, Division of Atmospheric Sciences (Proposed Starting Date: June 1, 1982)	December 1
Unsolicited Research Proposals (Preliminary) for the Development in Science Education (DISE) Program (Proposed Starting Dates: September/October 1982) - 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	December 1
Unsolicited Research Proposals (Preliminary) for the Research in Science Education (RISE) Program (Proposed Starting Dates: September/October 1982) - Research Areas include: Science for the Early Adolescent; Science for Women, Minorities, and Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge	December 1
Unsolicited Research Proposals for the Division of Astronomical Sciences (Proposed Starting Dates: August/September/October 1982)	December 1
Unsolicited Research Proposals for the Division of Atmospheric Sciences (Proposed Starting Dates: August/September/October 1982)	December 1

Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Chemical and Process Engineering (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Chemistry (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Civil and Environmental Engineering (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Electrical, Computer, and Systems Engineering (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Mechanical and Applied Mechanics (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: August through October 1982)	December 1

PRIVATE

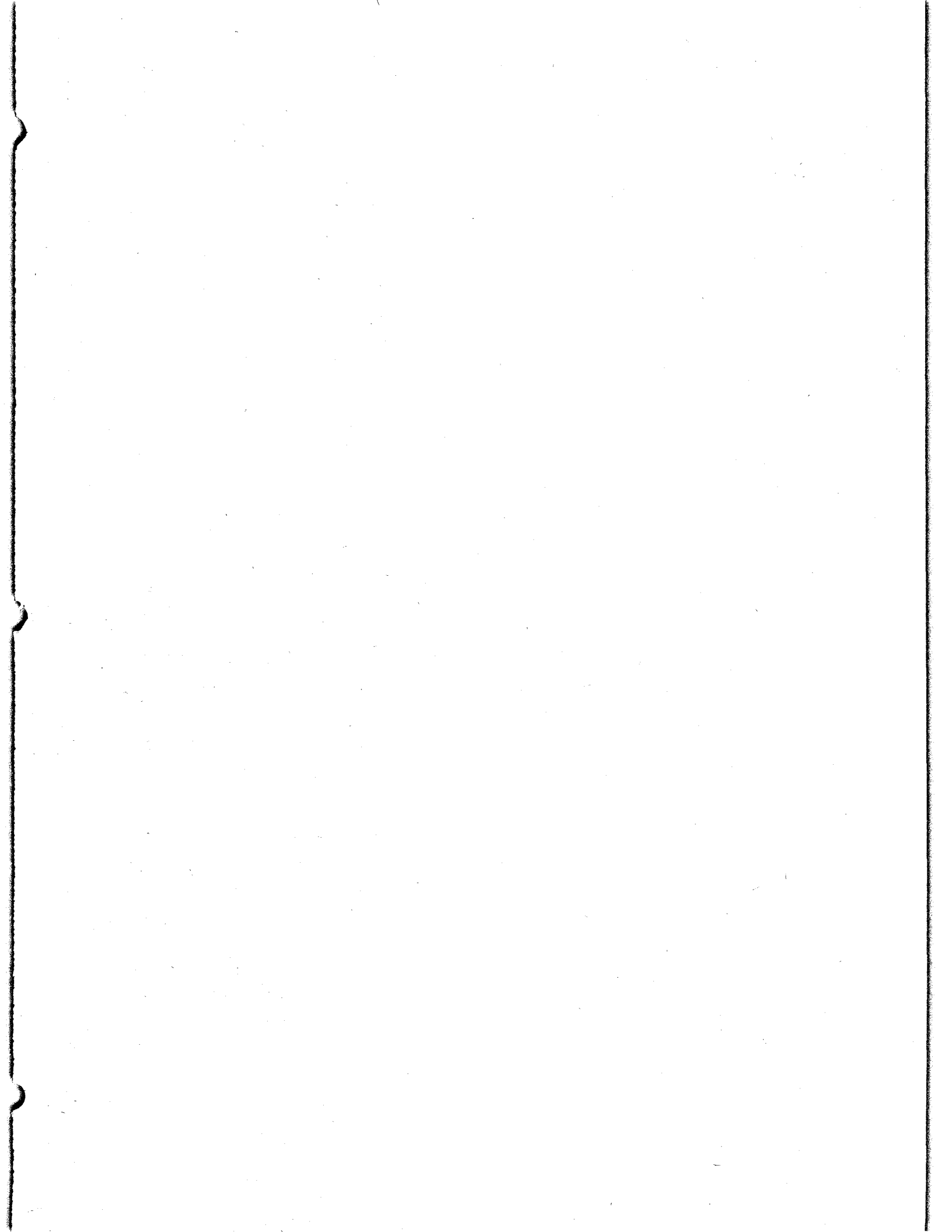
Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Cancer Society	
Fellowship and Scholar Applications	October 1
Research Grants	November 1
American Council of Learned Societies	
Fellowships	September 30
Study Fellowships	November 15
Chinese Programs	November 3
East European Studies	December 1
Grants-in-Aid	December 15
American Heart Association	
Grants-In-Aid	October 1
Teaching Scholarship Awards	September 5
American Heart Association - Minnesota Affiliate	
Fellowships	November 15
Grants-In-Aid	November 30

American Lung Association	
Fellowships	November 1
Edward Livingston Trudeau Fellowships	October 1
Training Fellowships	October 1
Institution Pediatric Training Grants	October 1
Institution Training Grants in Pediatric Pulmonary Nursing	November 1
Research Grants	November 1
Engineering Foundation	
Pre-proposals	No Deadline
Epilepsy Foundation of America	
General Research Grants	September 1
Merritt-Putnum Clinical Fellowships	September 1
Exxon Foundation	No Deadline
Ford Foundation	
National Affairs, Education and Public Policy, and	
International Affairs	No Deadline
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission	
of formal proposal.	No Deadline
Grant Foundation	
Grants for Psychological and Social Development of Youth	September 1
Juvenile Diabetes Foundation	
Fellowships	October 1
Career Development Awards	October 1
Leukemia Society of America, Inc.	September 1
Charles A. Lindbergh Fund, Inc.	
Research Grants	November 16
Grants awarded to researchers whose projects attempt to	
create a balance between technology and the natural	
environment.)	
March of Dimes	
Social & Behavioral Sciences	September 1
Basic	October 1
Basil O'Connor Starter Research Grants	Continuous
Minnesota Humanities Commission	August 14 &
	November 15
Minnesota Medical Foundation	September 30 &
	December 31
National Fund for Medical Education	
Innovative Programs in Medical Education	October 1
Dissemination Mini-Grants in Cost-Containment Education	October 1
Fellowships in Medical Education	October 1
National Kidney Foundation	
Research Fellowships	October 1
National Multiple Schlerosis Society	
Research Grants	January 15
Fellowships	January 15
Noyes (Jessie Smith) Foundation	
Areas of environment, education, and health	
(letter of inquiry)	November 1

Orthopaedic Research and Education Foundation Research Grants	October 15
Pharmaceutical Manufacturers Association Foundation Fellowship Program for Advanced Predoctoral Training	September 15
Faculty Development Awards in Toxicologic Pathology	September 1
Research Starter Grant	October 16
Faculty Development Awards in Clinical Pharmacology	October 1
Fellowships for Careers in Clinical Pharmacology	October 1
Faculty Development Awards in Pharmacology	December 15
Robert Wood Johnson Foundation General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund Fellowships	August 15
Whitney (Helen Hay) Foundation Postdoctoral Fellowships in Basic Medical Sciences and Rheumatic Heart Disease	August 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.



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University of Minnesota
St. Paul, Minnesota 55104

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ORA RDC Newsletter

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September 1981

Volume XI/No. 3

PROCEDURE RELATING TO RETROACTIVE SALARY INCREASES ON NIH FINANCIAL REPORTS OF EXPENDITURES (ROE'S)

Financial reports (ROE's) for NIH grants with budget period ending dates between July 1, 1981 and the actual payment date of retroactive salary increases will be

submitted in accordance with established PHS guidelines. However, NIH has agreed to a procedure whereby the University may place an "administrative" hold on a portion and/or all, if necessary, of the unobligated, unexpended balance reflected on the ROE to cover the pending retroactive salary adjustment and related fringe benefits and indirect costs. Following payment of such increase, ORA will submit revised ROE's reflecting actual salary incurrences along with appropriate fringe and overhead adjustments. Any remaining balance, assuming the actual incurrence is less than anticipated, will revert and may not be carried forward for expenditure without specific written approval of the NIH Grants Management Officer.

ORA will contact the investigator's departmental staff, at time of original ROE preparation, to determine the dollar amount to be reserved for retroactive salary increases (see July 1981 ORA newsletter for guidance in determining such increase) and related fringe benefits. The appropriate overhead amount will be determined by ORA based on departmental direct cost information. NIH has accepted this procedure, subject to the following guidelines:

1. Current policy permits grantees to submit a revised expenditure report up to 15 months after the end of a given budget period. Accordingly, it is imperative that all correcting entries be processed as soon as possible following the retroactive salary payment to allow ORA reporting staff sufficient time to complete and submit revisions within NIH policy.
2. If some portion less than the total unobligated balance is being reserved to cover the retroactive increase, the earmarked amount will be distinguished in the "Remarks" section of each expenditure report in order to alert each awarding unit that that portion of the unobligated balance will subsequently be claimed. This distinction will give the awarding unit the option of disposing of the remaining balance as it sees necessary (e.g., as a funding offset) while preserving the availability of the reserved portion for the subsequent claim.
3. Any proposal to reserve or divert unearned (or unclaimed) indirect costs to help defray this additional salary liability must have the prior approval of the awarding unit on a case-by-case basis.
4. Failure to reserve needed funds to cover the retroactive salary increase and related costs within the current award level, will leave the applicable

investigator's department with the responsibility of finding alternative funding sources. NIH will not provide administrative supplementation of any kind to terminated budget periods.

Questions should be directed to Ms. Marilyn Surbey at 376-8165.

RESEARCH TRAINING OPPORTUNITIES
SUPPORTED BY THE NIH

A new series of pamphlets entitled Research and Research-Related Manpower Development Programs supported by the

National Institutes of Health is now available. Program summaries are provided in each pamphlet which include information on eligibility, funding, points of contact, and application deadlines. The four-part series of booklets list NIH training programs for individuals at the following education levels: High School, College, Postbaccalaureate, and Postdoctoral. For copies of individual booklets, or the complete set, contact: Office of Grants Inquiries, Division of Research Grants, National Institutes of Health, Westwood Building, Room 240, Bethesda, MD 20205 (301) 496-7441.

DEPARTMENT OF EDUCATION CANCELS
INTENTION TO MAKE NEW GRANT
AWARDS UNDER THE CONSUMERS'
EDUCATION PROGRAM

Due to budgetary limitations imposed by Congressional action on June 5, 1981 (P.L.97-12), the Department of Education has announced that no awards will be made under the Consumers' Education

Program pursuant to their request for such proposals with a receipt date of February 2, 1981. For further information contact Dr. Dustin W. Wilson, Jr., Director, Consumers' Education Program (202) 426-9303.

CLARIFICATION OF PERSONNEL CLASS
TITLES USED IN CONJUNCTION WITH
FEDERALLY SPONSORED RESEARCH
PROJECTS

Pursuant to issuance of the May 28, 1981 memo to Twin Cities Campus Deans, Directors and Department Heads by Vice Presidents Keller and French relating to implementation of changes in the

Academic Personnel System effective July 1, 1981, there appears to be a need to clarify proper identification of titles used in conjunction with federally funded research projects. Since most federal projects do not allow "financial assistance" to students or fellows under research projects, it is imperative that a "service" identified classification be used when appointing such individuals or preparing proposal budgets (PHS Grants Policy Statement, pp. 25-26). Effective July 1, 1981, two new salaried (service) positions, Pre-doctoral Assistant, 9545 (tax withheld), and Post-doctoral Associate, 9546 (tax withheld), have been added and should be used on research projects in lieu of Research Specialist, Research Fellow or Research Associate when such individuals are continuing their professional training. As with all 95XX classifications, there is no fringe benefit calculation for social security, faculty insurance or retirement when individual effort is less than 75 percent.

In addition, changes have been made for the non-service classification of Non-Service Fellow, 9550. Effective July 1, 1981 this classification has been

replaced by Pre-doctoral Fellow, 9550 (no tax withholding) and Post-doctoral Fellow, 9551 (no tax withholding on the first \$150 semi-monthly). The title Post-doctoral Fellow should no longer be reflected on research projects, but rather, depending on the individual's training status, Pre- or Post-doctoral Assistant, Research Specialist, Research Fellow, or Research Associate should be used. Questions should be referred to the appropriate grant administrator in ORA.

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE (NINCDS) ISSUES ANNOUNCEMENT RELATING TO SUPPORT OF RESEARCH CENTER AND PROGRAM PROJECT GRANTS

NINCDS has published guidelines in the NIH GUIDE, Vol. 10, 7/31/81, relating to support by their Institute of Research Center and Program Project Grants. Deadlines are in accordance with established PHS receipt dates of October 1, February 1, and June 1. A

copy of the announcement and the appropriate application kit (PHS-398) may be obtained from ORA at 373-5925.

OFFICE OF NAVAL RESEARCH (ONR) OFFERS CONTRACT OPPORTUNITIES

The following are areas of interest for support of basic research and technology by the ONR. The Naval Vehicles and

Weapons Technology Division is involved in research about the propulsion, control, and maintenance of advanced air, surface, and subsurface vehicles. The Sensor and Control Technology section conducts research related to communication systems as well as information processing and display systems. Studies related to the development and maintenance of future naval power are conducted by the Analysis and Support Division. Other areas of research interest include Physical Sciences, Mathematical and Information Sciences, Biological Sciences, Psychological Sciences, Arctic and Earth Sciences, Materials Sciences, and Ocean Science and Technology. For more information concerning the submission of unsolicited proposals, write to: Chief of Naval Research, 800 North Quincy Street, Arlington, VA 22217. Phone number is (202) 696-4407.

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR) PROGRAMS

Funding for the following program areas is available from the AFOSR to support and conduct fundamental research, to

increase knowledge and understanding in these fields, so as to provide higher performance, lower cost and greater reliability of air force systems. There are no deadline dates. Proposals may be submitted at any time. Investigators should first call the Directorate Office before beginning work on a proposal. Formal proposals should be submitted to the appropriate Directorate at Bolling Air Force Base, Washington, DC 20332:

Electronic and Materials Sciences - Disciplines supported include metallurgy, communications research, electrical engineering, computer engineering, ceramics, materials, electronic engineering, information theory, optics. Contact Dr. Thomas Walsh, Director, AFOSR/NE (202) 767-4984.

Aerospace Sciences - Disciplines support include particle beam aerodynamics, combustion kinetics, aerodynamics, optics, structural mechanics, fluid mechanics, thermophysics, plasma energetics. Contact Dr. Brian Quinn, Director, AFOSR/NA (202) 767-4987.

Chemical and Atmospheric Sciences - Disciplines supported include organic chemistry, atmospheric physics, chemical engineering, physical chemistry, meteorology, inorganic chemistry. Contact Dr. Donald L. Ball, Director, AFOSR/NC (202) 767-4960.

Mathematical and Information Sciences - Disciplines supported include mathematics, operations research, software research, statistics, computer science. Contact Dr. Merle M. Andrew, Director, AFOSR/NM (202) 767-5025.

Life Sciences - Disciplines supported include biochemistry, industrial medicine, physiology, toxicology, training, psychology, bioengineering, microbiology, radiobiology, man-machine relationships, human factors engineering, environmental biology, pharmacology, stress physiology. Contact Dr. P. F. Iampietro, Director AFOSR/NL (202) 767-4278.

**HAZARDOUS CHEMICAL WASTE
MANAGEMENT**

A new system for managing hazardous chemical waste will be implemented throughout the University this month.

The new system is comprised of two parts: 1) a reduction in the volume of hazardous chemical waste generated, and 2) a computer-based labelling procedure. The skyrocketing costs of hazardous chemical waste disposal and increasingly restrictive regulations from the E.P.A. and D.O.T. have prompted these changes. The new system met with success when it was piloted in the Chemistry Department this summer.

All teaching, research, and clinical laboratories generating hazardous chemical waste will be affected. These departments and laboratories will receive guidebooks providing instructions for filling out the new packing label and volume reduction procedures. Staff in the Physical Plant Department (6-2617) and in the Environmental Health and Safety Department (6-2847) are available to answer your questions or concerns.

1982 LINDBERGH GRANTS PROGRAM

The Charles A. Lindbergh Fund annually presents grants of up to \$10,580 to

individuals conducting research whose practical application focuses on resolving conflicts between technological growth and the preservation of the environment. Citizens of all countries are eligible; eligible individuals need not be affiliated with an academic institution.

A description of grant application procedures may be obtained by calling the Graduate School Fellowship Office, 373-2833; or write to Charles Lindbergh Fund, 99 Park Avenue, New York, NY 10016. The application deadline is November 16, 1981.

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 1981-1982. 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, 1981.

Instructions and application forms may be obtained from the Dean's Committee for the ASC Institutional Research Grant, Room 421 Masonic Hospital, telephone: 373-4318.

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, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	November 1
NIH, New Investigator Awards	November 1
NIH, Research Career Development Awards	October 1
NIH, Individual Postdoctoral Fellowships	October 1
NIH, Institutional Training Programs	October 1
NCI, Cancer Clinical Treatment Branch	November 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	October 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	October 1

NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	October 1
NIA, Basic Aging Program	November 1
NIDR, The National Caries Program	November 1
NIAID, Controlled Clinical Trials for Prophylaxis or Improved Antimicrobial Therapy of Selected Bacterial and Mycotic Infections	October 1
NHLBI, Special Emphasis Research Area--Investigators Blood Transfusion Science:	
Individual Postdoctoral Grant	October 1
Institutional Training Grant	October 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	November 1
NINCDS, Integration of Autonomic and Somatic Divisions of the Nervous System	November 1
NINCDS, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	November 1
NINCDS, Genetic and Biochemical Bases of Otosclerosis	November 1
DRR, Biotechnology Resources Program:	
Resource Grant	October 1
Resource-Related Research Project	November 1
NIDR, Craniofacial Anomalies	November 1
NINCDS, Research Grants in Neonatal Brain Disorders Research	October 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	November 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	October 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	November 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	November 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	November 1
NHLBI, Small Vessel Prostheses	November 1
NHLBI, Research on Consequences of Therapeutic Apheresis	November 1
NHLBI, Minority Hypertension Research Development Summer Program (Institutional NRSA) (Letter of Intent Requested by 5/15/81)	September 15
NIAMDD, Research Interests of the Kidney Disease and Urology Program	November 1
NIDR, Wound Healing in Craniofacial Injuries	November 1
NICHD, Basic and Clinical Studies of Normal Development and Developmental Defects	November 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	November 1
NIA, Academic Award	October 1

NICHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	November 1
NICHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction, Developmental Nutrition, Infant Nutrition, Nutritional Individuality, Cultural and Behavioral Aspects of Nutrition, etc.)	November 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry, Nutritional Physiology, Nutritional Microbiology, Nutritional Immunology, Nutritional Epidemiology)	November 1
NIA, New Investigator Research Award in Nutrition	November 1
NIDR, Craniofacial Dymorphology Research	November 1
NIAMDD, New Investigator Research Award in Nutrition	November 1
NIAID, Mechanisms in Food Allergy, RFA: NIH-NIAID-81-4	October 15
NIAID, Asthma and Allergic Disease Centers, RFA-NIH-NIAID-81-5 (Letter of Intent Requested by 7/15/81)	October 15
NIDR, Specialized Clinical Research Centers for Periodontal Disease	October 1
NHLBI, Dietary Sodium and Its Role in the Prevention and Management of Hypertension	November 1
NIAMDD, Continuous Ambulatory Peritoneal Dialysis (CAPD) as a Maintenance Therapy for the Chronic Renal Failure Patient	November 1
NINCDS/NIA, Alzheimer's Disease and Other Related Dementias of Aging	November 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic, and Endocrinologic Aspects (Annual Deadline)	June 1
NIEHS, RFA: Biological Effects of Chemical Interactions, NIH-NIEHS-EP-81-4	October 15
NCI, RFA: Role of Tumor Promoters, Hormones, and Other Cofactors in Human Cancer Causation, NIH-NCI-DCCP-CPCB-81-2	December 1
NIAID, Clinical Investigator Award	October 1
NHLBI, NIADDK, Research in the Thalassemias	November 1
DRR, Biomedical Research Support Shared Instrumentation Grants	October 15
NCI, Surgical Oncology Research	November 1
NCI, RFA: Surgical Oncology Research, NIH-NCI-DCT-CTEP-C1B-81-3	October 15
NCI, RFA: Regional Cooperative Clinical Trials Groups	November 16
NICHD, RFA: NIH-NICHD-CRMC-MRDD-81-1, Mental Retardation Specialized Research Centers (P50) (Letter of intent by 9/1/81 specified in announcement)	December 1
Fogarty International Center, NIH-French National Center for Scientific Research Program for Scientific Collaboration	October 1

NEY, Small Grants for Pilot Projects	October 1
NIEHS, RFA: NIEHS-EP-81-4, Biological Effects of Chemical Interactions	October 15
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
Individual Postdoctoral Fellowships	October 1
Institutional Training Grants, NRSA	October 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	October 1
NIAAA, Special Notification for Research on Nutrition and Behavior	November 1
NIMH, Research Areas in Nutrition	November 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	October 5
<u>Food and Drug Administration</u>	
Research Grants, New	November 1
Research Grants, Renewals	October 1
<u>National Institute of Education</u>	
Program of Research Grants on Teaching and Learning	*October 1981
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24
Major Grants (Elementary/Secondary Desegregation):	
Preapplication	November 24
Application	April 1, 1982
Major Grants (Higher Education Desegregation):	
Preapplication	November 24
Application	April 1, 1982
Application (for preapplication submitted 4/1/81)	September 17
Research on Organizational Processes in Education:	
Application	December 10
Small Grant	December 10
Program of Research Grants on Law and Government Studies in Education:	
Preapplication	*September 10
Application (for preapplication submitted 3/3/81)	September 10
Small Grant	*September 10
Unsolicited Proposals Prior to (First Round)	March 10
Unsolicited Proposals Prior to (Second Round)	January 5, 1982
Program of Grants for Research on Institutions of Postsecondary Education:	
Preapplication	October 6
Application	TBA
Application (for preapplication submitted 3/25/81)	October 6
Small Grant	October 6

Fund for the Improvement of Postsecondary Education

FIPSE, Comprehensive Program, Preliminary

(Final deadline to be announced in Federal Register and competitive application materials.)

*December 1

FIPSE, Mina Shaughnessy Scholars Program

*October 27

Office of Child Support Enforcement

Child Support Enforcement Research Demonstration Grants

December 1

*Tentative Deadline

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next six months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses are available from programs indicated. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

West European Regional Programs-Germany and Switzerland.

Joint research proposals. Contact: Mr. Sidney Smith,
Division of International Programs (202) 357-7554

November 1

U.S.-Israel Binational Science Foundation (BSF), Bergmann postdoctoral awards. Deadline applies to receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact: Dr. R. Ronkin, Division of International Programs (202) 357-7613

November 1

U.S.-Belgium Cooperation in Science. Proposals for fellowships should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554

November 1

U.S.-France Cooperation in Science. Exchange of junior postdoctoral scientists (Brochure NSF 79-30). Proposals should be submitted September 1 to November 1, 1981. Contact: Mr. Henryk Uznanski, Division of International Programs (202) 357-7554

November 1

Travel to India and Pakistan under special foreign currency. Contact: Mr. Karl Olsoni, Division of International Programs (202) 357-9550

December 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

International Travel Grant Program (For Individual or Group Travel after January 1, 1982)

October 1

Public Understanding of Science (PUOS) Program - Preliminary Proposals with the earliest starting date of June 1, 1982	October 1
U.S.-Australia Cooperative Science Program (For Long-Term Visits to start between April 1, 1982 and September 30, 1982; for Cooperative Research and Seminar/Workshops to be held between July 1, 1982 and December 31, 1982)	October 1
U.S.-France Exchange of Scientists (Announcement of Awards: mid-March 1982)	October 1
Unsolicited (Formal) Research Proposals for the Division of Policy Research and Analysis (Proposed Starting Dates: June through August 1982)	October 1
Unsolicited Research Proposals for the Mathematical Sciences Section (for Funding in June/July/August 1982)- Programs include: Algebra and Number Theory; Applied Mathematics; Classical Analysis; Modern Analysis; Probabi- lity and Statistics; Special Projects; and Topology, Geometry, and Foundations	October 25
Specialized Engineering Research Equipment Grants (Announcement of Awards: April 1982)	November 2
U.S.-Italy Cooperative Science Program (For Cooperative Research or Joint Workshops with proposed starting dates between May 1, 1982 and September 30, 1982)	November 2
U.S.-Japan Cooperative Science Program (For Seminars to be held between September 1, 1982 and August 31, 1983)	November 2
U.S.-Latin America Cooperative Science Program (For Cooperative Research with proposed starting dates in July or August 1982; For Research-Oriented Workshops to be held in November or December 1982)	November 2
U.S.-New Zealand Cooperative Science Program (For Long-Term Visits to start between September 1, 1982 and August 31, 1983)	November 2
U.S.-Switzerland Cooperative Science Program (For Joint Research with the earliest starting date of August 1982)	November 2
Unsolicited Research Proposals for the Division of Physiology, Cellular and Molecular Biology (Proposed Starting Dates: June/July 1982) - Programs include: Biochemistry, Biophysics, Cell Biology, Cellular Physiology, Developmental Biology, Genetic Biology, Metabolic Biology, and Regulatory Biology	November 2
Program for the Analyses of Science Resources (For FY 1982 Funding)	November 15
U.S.-Germany Cooperative Science Program (For Joint Research with proposed starting dates from August 1982 through October 1982)	November 30
Engineering Research Initiation Grants (Proposed Starting Date: April 15, 1982)	December 1
Ethics and Values in Science and Technology (EVIST) - Formal Proposals with the earliest starting date of June 1, 1982 (Approval of previously submitted Prelimi- nary Proposal required)	December 1

Public Understanding of Science (PUOS) program - Formal Proposals with the earliest starting date of June 1, 1982 (Approval of previously submitted Preliminary Proposal required)	December 1
U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: June 1982)	December 1
Unsolicited Research Proposals for the Climate Dynamics Program, Division of Atmospheric Sciences (Proposed Starting Date: June 1, 1982)	December 1
Unsolicited Research Proposals (Preliminary) for the Development in Science Education (DISE) Program (Proposed Starting Dates: September/October 1982) - 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	December 1
Unsolicited Research Proposals (Preliminary) for the Research in Science Education (RISE) Program (Proposed Starting Dates: September/October 1982) - Research Areas include: Science for the Early Adolescent; Science for Women, Minorities, and Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge	December 1
Unsolicited Research Proposals for the Division of Astronomical Sciences (Proposed Starting Dates: August/September/October 1982)	December 1
Unsolicited Research Proposals for the Division of Atmospheric Sciences (Proposed Starting Dates: August/September/October 1982)	December 1
Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Chemical and Process Engineering (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Chemistry (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Civil and Environmental Engineering (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Electrical, Computer, and Systems Engineering (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: August through October 1982)	December 1

Unsolicited Research Proposals for the Division of Mechanical and Applied Mechanics (Proposed Starting Dates: August through October 1982)	December 1
Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: August through October 1982)	December 1

*NSF 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.

- Anthropology, Linguistics, Memory and Cognitive Processes,
Neurobiology, Psychobiology, Sensory Physiology and
Perception, and Social and Developmental Psychology.
Contact: Division of Behavioral and Neural Sciences
(202) 357-7564 *
- Behavioral and Neural Sciences: Doctoral Dissertation
Research Proposals. Contact: Division of Behavioral
and Neural Sciences (202) 357-7564 *
- Development in Science Education (DISE). (Brochure SE
80-50). Contact: Mr. Alexander Barton, Division of
Science Education Development and Research
(202) 282-7910 *
- Environmental Biology: Doctoral Dissertation Research
Proposals. Contact: Division of Environmental Biology
(202) 357-7332 *
- Ecology, Ecosystem Studies, Population Biology and
Physiological Ecology, Systematic Biology, and
Biological Research Resources. Contact: Division of
Environmental Biology (202) 357-7332 *
- Information Science and Technology. Contact: Dr. Howard
Resnikoff, Division of Information Science and Technolgy
(202) 357-9572 *
- Research in Science Education (RISE). (Brochure SE
80-55). Contact: Dr. Rita Peterson, Division of
Science Education Development and Research
(202) 282-7745 *
- Social and Economic Science: Doctoral Dissertation
Research Proposals. Contact: Division of Social and
Economic Science (202) 357-7967 *
- U.S.-East Asia Cooperative Science. Contact: Dr. Allen
Holt, Division of International Programs (202) 357-9537 *
- East European Cooperative Science. Proposals for joint
research projects or for joint seminars (six months
advance notice); Proposals for short-term visits (three
months advance notice). Contact: Ms. Deborah Wince,
Division of International Programs (202) 357-9516 *
- U.S.-India Cooperative Science. (Brochure NSF 75-8).
Contact: Dr. Osman Shinaishin, Division of
International Programs (202) 357-9402 *

- U.S.-Japan Cooperative Science. 1) Long-term visits of from six months to one year duration; 2) Short-term visits to develop proposals in areas of food productivity or marine biology; 3) Cooperative research proposals in areas of food productivity or marine biology. Contact: Dr. Stephen R. Mosier, Division of International Programs (202) 357-9537 *
- U.S.-New Zealand Cooperative Science. Letter proposals for cooperative research development in physical oceanography; marine geophysics and geology; and marine biology. Contact: Mr. Alan Milsap, Division of International Programs (202) 357-9558 *
- U.S.-Pakistan Cooperative Science (Brochure NSF 75-8). Contact: Dr. Osman Shinaishin, Division of International Programs (202) 357-9402 *
- U.S.-Republic of Korea Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537 *
- U.S.-Taiwan Cooperative Science. Contact: Dr. Maurice Edwards, Division of International Programs (202) 357-9537 *

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Cancer Society	
Fellowship and Scholar Applications	October 1
Research Grants	November 1
American Council of Learned Societies	
Fellowships	September 30
Study Fellowships	November 15
Chinese Programs	November 3
East European Studies	December 1
Grants-in-Aid	December 15
Summer Language Grants	January 1
American Egg Board	
Research Grants	October 1
American Heart Association	
Grants-In-Aid	October 1
American Heart Association - Minnesota Affiliate	
Fellowships	November 15
Grants-In-Aid	November 30
American Lung Association	
Fellowships	November 1
Edward Livingston Trudeau Fellowships	October 1
Training Fellowships	October 1
Institution Pediatric Training Grants	October 1
Institution Training Grants in Pediatric Pulmonary Nursing	November 1
Research Grants	November 1

Engineering Foundation	
Pre-proposals	No Deadline
Exxon Foundation	No Deadline
Ford Foundation	
National Affairs, Education and Public Policy, and	
International Affairs	No Deadline
Francis (Parker B.) Foundation	
Fellowships in Pulmonary Research	September 15
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission	
of formal proposal.	No Deadline
Juvenile Diabetes Foundation	
Fellowships	October 1
Career Development Awards	October 1
Charles A. Lindbergh Fund, Inc.	
Research Grants	November 16
Grants awarded to researchers whose projects attempt to	
create a balance between technology and the natural	
environment.)	
March of Dimes	
Basic	October 1
Basil O'Connor Starter Research Grants	Continuous
Minnesota Humanities Commission	November 15 &
	January 15
Minnesota Medical Foundation	September 30 &
	December 31
National Fund for Medical Education	
Innovative Programs in Medical Education	October 1
Dissemination Mini-Grants in Cost-Containment Education	October 1
Fellowships in Medical Education	October 1
National Kidney Foundation	
Research Fellowships	October 1
National Multiple Sclerosis Society	
Research Grants	January 15
Fellowships	January 15
Noyes (Jessie Smith) Foundation	
Areas of environment, education, and health	
(letter of inquiry)	November 1
Orthopaedic Research and Education Foundation	
Research Grants	October 15
Pharmaceutical Manufacturers Association Foundation	
Fellowship Program for Advanced Predoctoral Training	September 15
Research Starter Grant	October 16
Faculty Development Awards in Clinical Pharmacology	October 1
Fellowships for Careers in Clinical Pharmacology	October 1
Faculty Development Awards in Pharmacology	December 15
Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund	
Fellowships	December 15

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

Office of Research Administration
Administrative Services Center, 5th Floor
1919 University Avenue
University of Minnesota
St. Paul, Minnesota 55104

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HANDBOOK OF RESEARCH SERVICES

A new publication entitled "Handbook of Research Services" has been prepared.

It is a compendium of information about research facilities and services, such as shops, electron microscopes, computers, library facilities, purchasing, graphic services, printing, etc. The development of this handbook was initiated by the Senate Committee on Research. Its primary purpose is to serve as a resource for junior, and in particular, new faculty. It has been distributed to principal investigators who submitted proposals through the Office of Research Administration in fiscal year 1981 and to deans and department heads. In addition, it will be provided to all new faculty. A limited number of copies are still available in ORA and may be obtained by calling 376-3349.

ALCOHOL, DRUG ABUSE AND MENTAL HEALTH ADMINISTRATION, REVISED ANNOUNCEMENT

ADAMHA announces the availability of revised program announcements for research and research training programs. These announcements provide current in-

formation about areas in which support is available from the National Institute on Alcohol Abuse and Alcoholism, the National Institute on Drug Abuse, and the National Institute of Mental Health. Copies of announcements may be obtained from ORA at 373-5925.

FULBRIGHT TEACHER EXCHANGE PROGRAM

The U.S. Department of Education is accepting applications to teach and

attend seminars in other countries under the Fulbright Teacher Exchange Program. Elementary and secondary teachers, college instructors and assistant professors may participate. Exchanges are currently conducted with the United Kingdom, Germany, France, Switzerland, Denmark, Canada, and New Zealand. Eligibility requirements are U.S. citizenship, a bachelor's degree, and two years of teaching experience. A copy of the announcement and application kit may be obtained from ORA at 373-5925.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) SMALL GRANT PROGRAM

A small grant program is managed by the Environmental Research Laboratories (ERL) and about \$340,000 in research funds are available annually. Un-

solicited proposals received are evaluated on the basis of their scientific merit, competence of the principal investigation, and the likelihood of achieving results of value to the NOAA laboratory programs. Peer review uses NOAA and outside scientists. Twice yearly, fall and spring, the Grants Review Board of ERL evaluates the proposals on hand and recommends project support.

Proposals may be submitted at any time and there is no prescribed form. Please send 10 copies to Mr. Nathan Stiewig, Research Grants and Contracts Coordinator, Environmental Research Laboratories, NOAA, 325 Broadway Street, Boulder, CO 80303.

UNIVERSITY GENETICS COMPANY -
PROGRAM OF GRANTS FOR RESEARCH
IN GENETIC ENGINEERING

The University Genetics Co. (UGEN) has recently been organized for the dual purpose of providing university scientists with an alternate funding source

in the area of genetic engineering and providing universities and faculty with a focused technology transfer mechanism in this area. Both basic and applied research proposals will be considered, covering the disciplines of biochemistry, biology, pharmacology, microbiology, bioengineering, etc. Research proposals received prior to October 9, 1981, will be considered for funding with start dates in 1981. Those proposals received after this date will be funded six months after receipt if approved. No deadline for proposals is in effect. Further information may be obtained from the Office of Research Administration at 373-1920.

THE PROCTER AND GAMBLE COMPANY

The Procter and Gamble Company has announced a solicitation for exploratory

research proposals in the physical and biological sciences and engineering. The proposals should be in new areas of emerging science of mutual interest to the University scientist and Procter and Gamble. Applications for the academic year 1982-83 must be received no later than January 1, 1982. Awards will be announced by May 1, 1982. Further information may be obtained from the Office of Research Administration at 373-1920.

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, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, Young Investigator Award-Research Grant	November 1
NIH, New Investigator Awards	November 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NCI, Cancer Clinical Treatment Branch	November 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	February 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	February 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDs/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	November 1
NIDR, The National Caries Program	November 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY/NCI, Basic and Clinical Research Studies on Ocular Melanoma	November 1
NINCDs, Integration of Autonomic and Somatic Divisions of the Nervous System	November 1
NINCDs, Sodium Fluoride in the Treatment of Sensorineural Hearing Loss in Otosclerosis	November 1
NINCDs, Genetic and Biochemical Bases of Otosclerosis	November 1
DRR, Biotechnology Resources Program: Resource-Related Research Project	November 1
NIDR, Craniofacial Anomalies	November 1
NINCDs, Research Grants in Neonatal Brain Disorders Research	February 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	November 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	February 1

NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	November 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	November 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	November 1
NHLBI, Small Vessel Prostheses	November 1
NHLBI, Research on Consequences of Therapeutic Apheresis	November 1
NIAMDD, Research Interests of the Kidney Disease and Urology Program	November 1
NIDR, Wound Healing in Craniofacial Injuries	November 1
NICHHD, Basic and Clinical Studies of Normal Development and Developmental Defects	November 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	November 1
NIA, Academic Award	February 1
NICHHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	November 1
NICHHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction, Developmental Nutrition, Infant Nutrition, Nutritional Individuality, Cultural and Behavioral Aspects of Nutrition, etc.)	November 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry, Nutritional Physiology, Nutritional Microbiology, Nutritional Immunology, Nutritional Epidemiology)	November 1
NIA, New Investigator Research Award in Nutrition	November 1
NIDR, Craniofacial Dysmorphology Research	November 1
NIAMDD, New Investigator Research Award in Nutrition	November 1
NIAID, Mechanisms in Food Allergy, RFA: NIH-NIAID-81-4	October 15
NIAID, Asthma and Allergic Disease Centers, RFA-NIH-NIAID-81-5 (Letter of Intent Requested by 7/15/81)	October 15
NHLBI, Dietary Sodium and Its Role in the Prevention and Management of Hypertension	November 1
NIAMDD, Continuous Ambulatory Peritoneal Dialysis (CAPD) as a Maintenance Therapy for the Chronic Renal Failure Patient	November 1
NINCDS/NIA, Alzheimer's Disease and Other Related Dementias of Aging	November 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic, and Endocrinologic Aspects (Annual Deadline)	June 1
NIEHS, RFA: Biological Effects of Chemical Interactions, NIH-NIEHS-EP-81-4	October 15
NCI, RFA: Role of Tumor Promoters, Hormones, and Other Cofactors in Human Cancer Causation, NIH-NCI-DCCP-CPCB-81-2	December 1
NIAID, Clinical Investigator Award	October 1
NHLBI, NIADDK, Research in the Thalassemias	November 1

DRR, Biomedical Research Support Shared Instrumentation Grants	October 15
NCI, Surgical Oncology Research	November 1
NCI, RFA: Surgical Oncology Research, NIH-NCI-DCT-CTEP-C1B-81-3	October 15
NCI, RFA: Regional Cooperative Clinical Trials Groups	November 16
NICHHD, RFA: NIH-NICHHD-CRMC-MRDD-81-1, Mental Retardation Specialized Research Centers (P50) (Letter of intent by 9/1/81 specified in announcement)	December 1
NIEHS, RFA: NIEHS-EP-81-4, Biological Effects of Chemical Interactions	October 15
 <u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	November 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
NIAAA, Special Notification for Research on Nutrition and Behavior	November 1
NIMH, Research Areas in Nutrition	November 1
 <u>Health Care Financing Administration</u>	
Grants for Research and Demonstration	April 5
 <u>Food and Drug Administration</u>	
Research Grants, New	November 1
Research Grants, Renewals	February 1
 <u>National Institute of Education</u>	
Program of Research Grants on Desegregation Studies:	
Small Grants (Elementary/Secondary/Higher Education Desegregation)	November 24
Major Grants (Elementary/Secondary Desegregation):	
Preapplication	November 24
Application	April 1, 1982
Major Grants (Higher Education Desegregation):	
Preapplication	November 24
Application	April 1, 1982
Research on Organizational Processes in Education:	
Application	December 10
Small Grant	December 10
Unsolicited Proposals	*March 31
Program of Grants for Research on Institutions of Postsecondary Education:	
Preapplication	October 6
Application	TBA
 <u>Department of Education</u>	
Fulbright Teacher Exchange Program	November 1

Handicapped Personnel Preparation Program	November 6
National Institute of Handicapped Research	
Research and Training Center Grants	November 9
Rehabilitation Engineering Center Grants	November 9
Fulbright Hays Training Grants	
Faculty Research Abroad	November 20
Foreign Curriculum Consultants	November 20
Group Projects Abroad	November 20
Doctoral Dissertation Research Abroad	November 20
Field Initiated Research	December 7
Student Research	November 13

Fund for the Improvement of Postsecondary Education

FIPSE, Comprehensive Program, Preliminary	
(Final deadline to be announced in Federal Register and	
competitive application materials.)	*December 1
FIPSE, Mina Shaughnessy Scholars Program	*October 27

Office of Child Support Enforcement

Child Support Enforcement Research Demonstration Grants	December 1
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*Tentative Deadline

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

National Science Foundation

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Engineering Research Initiation Grants (Proposed Starting Date: April 15, 1982)	December 1
Ethics and Values in Science and Technology (EVIST) - Formal Proposals with the earliest starting date of June 1, 1982 (Approval of previously submitted Preliminary Proposal required)	December 1
Public Understanding of Science (PUOS) program - Formal Proposals with the earliest starting date of June 1, 1982 (Approval of previously submitted Preliminary Proposal required)	December 1
U.S.-Israel Binational Science Foundation Grants (Announcement of Awards: June 1982)	December 1
Unsolicited Research Proposals for the Climate Dynamics Program, Division of Atmospheric Sciences (Proposed Starting Date: June 1, 1982)	December 1

<p>Unsolicited Research Proposals (Preliminary) for the Development in Science Education (DISE) Program (Proposed Starting Dates: September/October 1982) - 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</p>	December 1
<p>Unsolicited Research Proposals (Preliminary) for the Research in Science Education (RISE) Program (Proposed Starting Dates: September/October 1982) - Research Areas include: Science for the Early Adolescent; Science for Women, Minorities, and Physically Handicapped; Technology in Science Education; and, Cognitive Processes and the Structure of Knowledge</p>	December 1
<p>Unsolicited Research Proposals for the Division of Astronomical Sciences (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Atmospheric Sciences (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Behavioral and Neural Sciences (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Chemical and Process Engineering (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Chemistry (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Civil and Environmental Engineering (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Electrical, Computer, and Systems Engineering (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Environmental Biology (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Materials Research (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Mechanical and Applied Mechanics (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Unsolicited Research Proposals for the Division of Physics (Proposed Starting Dates: August through October 1982)</p>	December 1
<p>Ethics and Values in Science and Technology (EVIST) - Preliminary Proposals with the earliest starting date of October 15, 1982</p>	January 4

International Travel Grant Program (For Individual or Group Travel after April 1, 1982)	January 4
Unsolicited Research Proposals for the Division of Earth Sciences (Earliest Starting Dates: September/October 1982)	January 4
Science for Citizens (SFC) Forums, Conferences, and Workshops - Preliminary Proposals with the earliest starting date of October 15, 1982	January 15
Science for Citizens (SFC) Planning Studies - Preliminary Proposals with the earliest starting date of October 15, 1982	January 15
Public Understanding of Science (PUOS) Program - Preliminary Proposals with the earliest starting date of October 1, 1982	February 1
Unsolicited Research Proposals for the Oceanography Section, Division of Ocean Sciences (Earliest Starting Date: July 1, 1982)	February 1
Special Research Initiation Awards for New Investigators in Information Science (Announcement of Awards: June 15, 1982)	February 3

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Cancer Society Research Grants	November 1
American Council of Learned Societies Study Fellowships	November 15
Chinese Programs	November 3
East European Studies	December 1
Grants-in-Aid	December 15
Summer Language Grants	January 1
American Diabetes Association, Inc. Feasibility Grant Program	February 1
Research and Development Award	December 4
American Heart Association - Minnesota Affiliate Fellowships	November 15
Grants-In-Aid	November 30
American Lung Association Fellowships	November 1
Institution Training Grants in Pediatric Pulmonary Nursing	November 1
Research Grants	November 1
Engineering Foundation Pre-proposals	No Deadline
Exxon Foundation	No Deadline
Ford Foundation National Affairs, Education and Public Policy, and International Affairs	No Deadline

Gas Research Foundation Telephone contact or letter of inquiry prior to submission of formal proposal	No Deadline
Charles A. Lindbergh Fund, Inc. Research Grants (awarded to researchers whose projects attempt to create a balance between technology and the natural environment)	November 16
March of Dimes Basil O'Connor Starter Research Grants	Continuous
Minnesota Humanities Commission	November 15 & January 15 December 31
Minnesota Medical Foundation Muscular Dystrophy Association Grants-in-Aid (Request for application)	November 30
National Multiple Sclerosis Society Research Grants	January 15
Fellowships	January 15
Noyes (Jessie Smith) Foundation Areas of environment, education, and health (letter of inquiry)	November 1
Orthopaedic Research and Education Foundation Research Grants	October 15
Pharmaceutical Manufacturers Association Foundation Research Starter Grant	October 16
Faculty Development Awards in Pharmacology	December 15
Proctor and Gamble Company Exploratory Research Program	January 1
Robert Wood Johnson Foundation General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund Fellowships	December 15
University Genetics Company (UGEN)	No Deadline

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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ORA RDC Newsletter

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

November 1981

Volume XI/No. 5

COMMUNICATIONS WITH NIH CONSULTANTS BY APPLICANT INVESTIGATORS

Rosters of Initial Review Group (IRG) members are attached to NIH summary statements so that applicant principal

investigators know who reviewed their applications. This practice is not intended to encourage investigators to contact the IRG members. Except during site visits, it is inappropriate for applicant investigators to enter into communications with NIH consultants about their applications. Such communications can be disruptive to an orderly and fair peer review process and are an imposition on NIH consultants who perform a public service.

NIH has instructed consultants to refer all communications from investigators about the review of applications to the Executive Secretary of the IRG. By the same token, consultants are asked to forward all informational requests to the investigator through the Executive Secretary. The cooperation of members of the scientific community is appreciated.

PROTECTION OF HUMAN SUBJECTS - ASSURANCES OF COMPLIANCE WITH 45 CFR 46

Samples of Assurances of Compliance which meet the requirement of the revised human subject regulations (45 CFR 46, effective July 27, 1981) have

been prepared and are now available for distribution. Copies may be obtained from: Office for Protection from Research Risks, National Institutes of Health, Westwood Building, Room 3A18, Bethesda, MD 20205.

NIH has also issued an update on the temporary requirement for submission of Form HHS-596 (Forms Rev. 4/75 and 5/80 only) and is currently revising the application forms and instructions for grants and fellowships to conform to new procedures to be followed when the research involves human subjects. A copy of this update may be found in the NIH Guide For Grants and Contracts, Vol. 10, No. 10, 9/4/81, or obtained from ORA at 373-5925.

NIA ISSUES NOTICE OF PRICE INCREASE FOR PURCHASE OF MICE

Investigators currently purchasing mice from the National Institute on Aging contract-supported colonies are

advised that a price increase became effective July 1, 1981. New cost figures should be used on new and renewal grant applications. The new rates were published in the NIH Guide For Grants and Contracts, Vol. 10, No. 10, 9/4/81. A copy may be obtained from ORA at 373-5925.

MINNESOTA SEA GRANT INSTITUTE

The University of Minnesota Sea Grant Institute is currently soliciting

preproposals for the 1982-83 grant year for projects which seek solutions to the following problem areas of Lake Superior waters and coastal areas: fisheries, recreational use, water safety, coastal and lake processes, and marine education and training. Preliminary, one-page preproposals will be accepted until November 13, 1981. Preproposals which pass the preliminary screening will be developed into full proposals by December 30, 1981. Final proposals will then be selected based on outside reviews and included in the University's full proposal to the National Sea Grant College Program for funding, beginning October 1, 1982. More detailed information and preproposal forms are available from the Minnesota Sea Grant Management Office, St. Paul (612) 373-1708. If you have questions call Don McNaught, Sea Grant Director, at the number above.

NSF - U.S. COOPERATIVE SCIENCE WITH FINLAND AND SWEDEN

The U.S.-Finland and U.S.-Sweden Cooperative Science programs have been established within the NSF Division of

International Programs. The programs include cooperative scientific activities with Finland and Sweden and consist of cooperative research projects, joint workshops/seminars, and long-term research visits. For further information, contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554.

NSF - NEW DEADLINES ESTABLISHED FOR U.S.-REPUBLIC OF KOREA COOPERATIVE SCIENCE PROGRAM

A new deadline requirement has been established for the U.S.-Republic of Korea Cooperative Science program: January 1 and July 1, 1982, beginning

July 1, 1982. Until the July 1982 date, proposals will be individually processed as in the past. Proposals for cooperative research, short- and long-term visits, and seminars may be submitted in the emphasis areas of biochemical engineering, marine science, and other fields of NSF interest. For further information, request the brochure NSF 81-30, or contact Dr. Gerald A. Edwards, Division of International Programs (202) 357-9537.

NSF - AWARDS FOR ETHICS AND VALUES IN SCIENCE AND TECHNOLOGY

NSF and the National Endowment for the Humanities announce the availability of guidelines for the Interdisciplinary

Incentive Awards and Sustained Development Awards programs, administered by NSF's Ethics and Values in Science and Technology (EVIST) program. The objective is to develop among individuals and institutions a greater capacity to analyze issues in the field of ethics and values in science and technology. Closing date for the submission of applications is February 1, 1982, with awards announced in June 1982. Brochures are available on the two programs: SE 81-62A for the Interdisciplinary Incentive Awards; and SE 81-62B for the Sustained Development Awards. For further information, contact Dr. Arthur Norberg, EVIST (202) 357-7552.

NSF - U.S.-AUSTRALIA AND U.S.-NEW
ZEALAND PROGRAMS

New proposal guidelines, effective October 1, 1981, are contained in the program announcements for the U.S.-Australia (NSF 81-49) and U.S.-New Zealand (NSF 81-50) Cooperative Science programs, replacing the guidelines issued in February 1977. Persons interested in submitting a proposal for the next competition (April 1, 1982, with requested effective dates not earlier than January 1, 1983) should obtain a copy from the Forms and Publications Unit, NSF, or directly from the program. Information supplementing the announcements is available only from the program. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558.

NSF - SCIENTIFIC COMPUTING RESEARCH
EQUIPMENT IN THE MATHEMATICAL
SCIENCES

NSF's Division of Mathematical and Computer Sciences plans a limited number of grants for the purchase of computing equipment for research in the mathematical sciences. It is anticipated that the target date for applications for such grants will be December 1, 1981. Questions concerning proposals should be direct to Dr. Alvin Thaler, Mathematical Sciences Section (202) 357-9764.

UCC CONSULTING ASSISTANCE
AVAILABLE

The University of Minnesota Computer Center (UCC) offers assistance to all University researchers preparing grant proposals involving the use of computers. They will help estimate computing costs, and evaluate the proposal for correct computer terminology. Principal Investigators wishing to use this service or needing more information should contact Vicky Walsh, 227 Experimental Engineering (373-5780).

NATIONAL RESEARCH COUNCIL
POSTDOCTORAL FELLOWSHIPS

The National Research Council plans to award approximately 35 Postdoctoral Fellowships for Minorities to American Indians, Alaskan Natives, Black Americans, Mexican Americans/Chicanos, and Puerto Ricans. Fellows will be selected from among scientists, engineers, and scholars in humanities who show the greatest promise of future achievement in academic research and scholarship in higher education. The application deadline is February 1, 1982. Details are available from the Graduate School Fellowship Office, 422 Johnston Hall, 373-2833, or Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington, DC 20418.

EAST-WEST CENTER OPPORTUNITIES

The East-West Center at the University of Hawaii has announced research awards, professional internships, and advanced research fellowships for 1982-83. Opportunities are available in its Communication, Culture Learning, Environment and Policy, Population, and Resource Systems Institutes. Scholars remain in residence at the Center for one month to three years, depending on program and research needs. For details contact the East-West Center, 1777 East-West Road, Honolulu, HI 96848.

ANDREW W. MELLON FELLOWSHIPS
IN HUMANITIES

Stanford University has opened competition for the Andrew W. Mellon Fellowships in Humanities for highly promising scholar teachers. The non-faculty positions carry departmental affiliation and limited teaching duties with opportunities for scholarly work and intellectual growth. Applicants should have completed the Ph.D. between June 1977 and September 1983 but preferably within the past three years. The award carries an annual stipend of \$20,000 and may be renewable for a second year. For applications, contact the Dean of Humanities and Sciences, Stanford University, Stanford, CA 94305. Deadline: December 1, 1981.

ROCKEFELLER UNIVERSITY
RESEARCH GRANTS

The Rockefeller University has established a research grant program to foster research in the records of the Rockefeller Foundation, Rockefeller Archive Center, and related units. Grants will not exceed \$1,000. Details are available from the Director, Rockefeller Archive Center, Pocantico Hills, North Tarrytown, NY 10591.

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, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, New Investigator Award-Research Grant	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	February 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1

NIH, Support of Meetings (Scientific, U.S.A. or International)	February 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	March 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NINCDS, Research Grants in Neonatal Brain Disorders Research	February 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	March 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	February 1
NEY, National Eye Institute - Small Grants Program	February 1
NINCDS, Support of Research Centers and Program Projects	February 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	March 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	March 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	March 1
NHLBI, Small Vessel Prostheses	March 1
NHLBI, Research on Consequences of Therapeutic Apheresis	March 1
NIAMDD, Research Interests of the Kidney Disease and Urology Program	March 1
NIDR, Wound Healing in Craniofacial Injuries	March 1
NICHHD, Basic and Clinical Studies of Normal Development and Developmental Defects	March 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	March 1
NIA, Academic Award	February 1
NICHHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	March 1
NICHHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction, Developmental Nutrition, Infant Nutrition, Nutritional Individuality, Cultural and Behavioral Aspects of Nutrition, etc.)	March 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry, Nutritional Physiology, Nutritional Microbiology, Nutritional Immunology, Nutritional Epidemiology)	March 1
NIA, New Investigator Research Award in Nutrition	March 1
NIDR, Craniofacial Dysmorphology Research	March 1
NIAMDD, New Investigator Research Award in Nutrition	March 1
NIAID, Mechanisms in Food Allergy, RFA: NIH-NIAID-81-4	March 1

NHLBI, Dietary Sodium and Its Role in the Prevention and Management of Hypertension	March 1
NIAMDD, Continuous Ambulatory Peritoneal Dialysis (CAPD) as a Maintenance Therapy for the Chronic Renal Failure Patient	March 1
NINCDS/NIA, Alzheimer's Disease and Other Related Dementias of Aging	March 1
NCI, RFA: Role of Tumor Promoters, Hormones, and Other Cofactors in Human Cancer Causation, NIH-NCI-DCCP-CPCB-81-2	December 1
NIAID, Clinical Investigator Award	February 1
NHLBI, NIADDK, Research in the Thalassemias	March 1
NCI, Surgical Oncology Research	March 1
NCI, RFA: Regional Cooperative Clinical Trials Groups	November 16
NICHHD, RFA: NIH-NICHHD-CRMC-MRDD-81-1, Mental Retardation Specialized Research Centers (P50) (Letter of intent by 9/1/81 specified in announcement)	December 1
NCI, RFA: Grants in Nutrition - NCI - Training	February 1
NCI, Experimental Research Related to Biological Effects of Low Doses of Ionizing Radiation	March 1
NIDR, Diet and Nutrition Research	March 1
NINCDS, Clinical Studies of Chemosensory Disorders:	
Individual National Research Service Award	February 1
Institutional National Research Service Award	February 1
NINCDS, Clinical Research Training Speech and Language Disorders - Institutional National Research Service Award	February 1
NINCDS, Tinnitus Research	March 1
NIA, Research on Urinary Incontinence in the Elderly	February 1
NIA, Health and Effective Functioning in the Middle and Later Years	March 1
NIAID, RFA: Program Projects in Transplantation Immunology, NIH-NIAID-81-6 (Letter of intent requested by 10/1/81)	November 16

Alcohol, Drug Abuse, and Mental Health

Research Grants, New	March 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
NIAAA, Special Notification for Research on Nutrition and Behavior	March 1
NIMH, Research Areas in Nutrition	March 1

NIMH, Research in Neurosciences, Behavioral Sciences, Epidemiologic Research, Clinical (Assessment and Etiological) Research, Treatment Research, and Prevention Research:

Research Scientist Development Proposals	February 1
Program Project Proposals	February 1
Clinical Research Center Proposals	February 1
Regular Research Proposals	March 1
NIAAA, Research Grants Program: 1) Etiology; 2) Early Identification and Diagnosis; 3) Pathogenesis; 4) Treatment; 5) Prevention; and 6) Basic Tools and Methodologies	March 1
NIAAA, Alcohol Research Center Grants	February 1
NIDA, Research Grants Program: 1) Epidemiology of Drug Abuse; 2) Etiology of Drug Abuse; 3) Drug Abuse Treatment; 4) Prevention; 5) Adverse Effects and Clinical Pharmacology of Abused Substances; 6) Basic Research and Methodological Development	March 1
NIAAA/NIDA/NIMH, Individual NRSA	February 1
NIAAA/NIDA/NIMH, Institutional NRSA Training	February 1

Health Care Financing Administration

Grants for Research and Demonstration	April 5
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Food and Drug Administration

Research Grants, New	March 1
Research Grants, Renewals	February 1
Studies of Effects of Marketed Drugs - Cooperative Agreements (Letter of intent requested by 10/30/81)	November 30

National Institute of Education

Pursuant to telephone conversation with Lea Martin, NIE, October 6, 1981, all NIE program deadlines have been indefinitely cancelled until further notice. Questions may be referred to NIE at (202) 254-7930.

Health Resources Administration

Grants for Residency Training in General Internal Medicine or General Pediatrics	November 30
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Department of Education

Fulbright Hays Training Grants	
Faculty Research Abroad	November 20
Foreign Curriculum Consultants	November 20
Group Projects Abroad	November 20
Doctoral Dissertation Research Abroad	November 20
Field Initiated Research	December 7
Student Research	November 13

Fund for the Improvement of Postsecondary Education

FIPSE, Comprehensive Program, Preliminary

(Final deadline to be announced in Federal Register and competitive application materials.)

*December 1
November 10

FIPSE, Mina Shaughnessy Scholars Program (Revised Date)

Office of Child Support Enforcement

Child Support Enforcement Research Demonstration Grants

December 1

*Tentative Deadline

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next few months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses may be requested. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Engineering Research Initiation Grants. For technical inquiries, contact the appropriate Engineering Division. For administrative inquiries, contact Ms. Janice Apruzese, Directorate for Engineering (202) 357-9834

December 1

U.S.-Israel Binational Science Foundation (BSF). Deadline is for receipt of proposals by BSF office in Jerusalem. Do not send them to NSF. Contact Dr. R. R. Ronkin, Division of International Programs (202) 357-7613

December 1

U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between April 1 and June 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550

December 1

U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between April 1 and June 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550

December 1

Mathematical Sciences Postdoctoral Research Fellowships. Contact Dr. Alvin Thaler, Division of Mathematical and Computer Sciences (202) 357-9764

December 11

Ethics and Values in Science and Technology. Interdisciplinary incentive awards (Brochure SE 81-62A). Contact Dr. Rachelle Hollander, Division of Intergovernmental and Public Service Science and Technology Programs (202) 357-7552

February 1

Ethics and Values in Science and Technology. Sustained development awards (Brochure SE 81-62B). Contact Dr. Rachelle Hollander, Division of Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	February 1
Information Science and Technology. Special research initiation awards for new investigators. Contact Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569	February 3
Experimental Computer Science. New faculty research grants. Contact the Program Director, New Faculty Research Grants in Experimental Computer Science, Computer Science Section (202) 357-7345	March 1
U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between July 1, and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	March 1
U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between July 1 and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	March 1
U.S.-India Exchange of Scientists (Brochure NSF 78-66). For travel between November 15, 1982 and May 15, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	March 15
Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.	
Metabolic Biology. Contact Dr. Elijah Romanoff, Division of Physiology, Cellular and Molecular Biology (202) 357-7987	December 1
Policy Research and Analysis. Extramural research to be funded in fiscal year 1982 (Brochure NSF 78-78). Contact Ms. Agnes Rhodes, Division of Policy Research and Analysis (202) 357-9689	January 1
Earth Sciences: Geology, Geophysics, Geochemistry, and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	January 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	January 4
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	February 1
Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	February 1
Alternative Biological Resources. Contact Dr. H. T. Huang, Division of Physiology, Cellular and Molecular Biology (202) 357-9782	February 1

Biochemistry. Contact Dr. Michael Cusanovich, Division of Physiology, Cellular and Molecular Biology (202) 357-7945	February 1
Biophysics. Contact Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7777	February 1
Cell Biology. Contact Dr. Jack Pate, Division of Physiology, Cellular and Molecular Biology (202) 357-7474	February 1
Cell Physiology. Contact Dr. Joseph Albright, Division of Physiology, Cellular and Molecular Biology (202) 357-7377	February 1
Developmental Biology. Contact Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989	February 1
Genetic Biology. Contact Dr. DeLill Nasser, Division of Physiology, Cellular and Molecular Biology (202) 357-9687	February 1
Regulatory Biology. Contact Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975	February 1
Economics. Contact Dr. Daniel Newlon, Dr. James Blackman, or Dr. Lynn Pollnow, Division of Social and Economic Science (202) 357-9675	February 2
Geography and Regional Science. Contact Dr. James Blackman, Division of Social and Economic Science (202) 357-9674	February 2
Political Science. Contact Dr. Frank Scioli, Jr., Division of Social and Economic Science (202) 357-7534	February 2
Law and Social Sciences. Contact Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567	February 2
Regulation and Policy Analysis. Contact Dr. Laurence Rosenberg or Dr. Trudi Miller, Division of Social and Economic Science (202) 357-7417	February 2
Sociology. Contact Dr. James Zuichés, Division of Social and Economic Science (202) 357-7802	February 2
Measurement Methods and Data Resources. Contact Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913	February 2
History and Philosophy of Science. Contact Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617	February 2

*NSF 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. Brochures indicated in parentheses may be ordered.

Anthropology. Contact Dr. John Yellen (202) 357-7804	*
Linguistics. Contact Dr. Paul Chapin (202) 357-7696	*
Memory and Cognitive Processes. Contact Dr. Joseph Young (202) 357-9898	*

Neurobiology. Contact Dr. Steven E. Kornguth
(202) 357-7471 *

Psychobiology. Contact Dr. Fred Stollnitz (202) 357-7949 *

Sensory Physiology and Perception. Contact Dr. Terrence
Dolan (202) 357-7428 *

Social and Developmental Psychology. Contact Dr. Richard
Louttit (202) 357-9485 *

Biological Research Resources. Contact Dr. James Tyler
(202) 357-7475 *

Ecology. Contact Dr. Gary Barrett (202) 357-9734 *

Ecosystem Studies. Contact Dr. W. Franklin Harris
(202) 357-9596 *

Population Biology and Physiological Ecology. Contact
Dr. Jerry Downhower (202) 357-9728 *

Systematic Biology. Contact Dr. Grady Webster
(202) 357-9588 *

Engineering Research Equipment (Brochure NSF 81-31).
Contact the appropriate Engineering Division:
Electrical, Computer, and Systems Engineering
(202) 357-9618; Chemical and Process Engineering
(202) 357-9606; Civil and Environmental Engineering
(202) 357-9545; and Mechanical Engineering and Applied
Mechanics (202) 357-9542. For Administrative inquiries
contact Ms. Janice Apruzese, Directorate for Engineering
(202) 357-9834 *

Engineering Research Initiation Grants. Contact
Ms. Janice Apruzese, Directorate for Engineering
(202) 357-9834 *

Industry/University Cooperative Research Projects
(Brochure NSF 80-31). Contact Division of Industrial
Science and Technological Innovation: Dr. Frederick Betz
(202) 357-7784 or Mr. Alex Schwarzkopf (202) 357-7527 *

Research in Information Science and Technology (Brochure
NSF 81-34). Contact the Division of Information Science
and Technology (202) 357-9572 *

Science in Developing Countries. Contact Dr. Gordon
Hiebert, Division of International Programs
(202) 357-9537, for current guidelines *

U.S.-East Asia Countries Cooperative Science (Brochure NSF
81-30). For projects with Indonesia, Malaysia,
Thailand, and Singapore, contact Dr. Gordon Hiebert,
Division of International Programs (202) 357-9537; for
projects with Korea and the Philippines, contact
Dr. Gerald A. Edwards, Division of International
Programs (202) 357-9537 *

U.S.-Japan Cooperative Earthquake Research. Steel
Building Research (Brochure NSF 81-56). Contact
Dr. S. C. Liu, Division of Civil and Environmental
Engineering (202) 357-9500 *

U.S.-New Zealand Cooperative Science. Letter-proposals for travel costs only for three-week visits for the purpose of developing cooperative research in physical oceanography, marine geology and geophysics, or marine biology. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558

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PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Council of Learned Societies	
Study Fellowships	November 15
East European Studies	December 1
Grants-in-Aid	December 15
Summer Language Grants	January 1
American Diabetes Association, Inc.	
Feasibility Grant Program	February 1
Research and Development Award	December 4
American Heart Association - Minnesota Affiliate	
Fellowships	November 15
Grants-In-Aid	November 30
Arthritis Foundation - Minnesota Chapter	February 15
Cystic Fibrosis Foundation	
New Investigator Research Grants	April 1
Research Grants	April 1
Student Traineeships	April 1
Engineering Foundation	
Pre-proposals	No Deadline
Exxon Foundation	No Deadline
Ford Foundation	
National Affairs, Education and Public Policy, and International Affairs	No Deadline
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission of formal proposal	No Deadline
Charles A. Lindbergh Fund, Inc.	
Research Grants (awarded to researchers whose projects attempt to create a balance between technology and the natural environment)	November 16
March of Dimes	
Basil O'Connor Starter Research Grants	Continuous
Minnesota Humanities Commission	
Draft Application	January 22 & April 23
Final Application	February 12 & May 14
Minnesota Medical Foundation	December 31 & March 31

Muscular Dystrophy Association Grants-in-Aid (Request for application)	November 30
National Multiple Sclerosis Society Research Grants	January 15
Fellowships	January 15
Proctor and Gamble Company Exploratory Research Program	January 1
Robert Wood Johnson Foundation General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund Fellowships	December 15
University Genetics Company (UGEN)	No Deadline

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ORA RDC Newsletter

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December 1981

Volume XI/No. 6

DIRECTOR OF ORA ACCEPTS TEMPORARY APPOINTMENT AS ASSISTANT TO THE VICE PRESIDENT FOR FINANCE AND OPERATIONS

The following memorandum was recently issued to Deans, Directors and Department Heads from Frederick M. Bohlen, Vice President for Finance and Operations:

As some of you know, I have asked Mr. Tony Potami to accept a temporary appointment as a wide-ranging Assistant to the Vice President for Finance and Operations and to move his base of operations from the Office of Research Administration to Room 335 Morrill Hall.

In this capacity, Mr. Potami will work closely with me in planning such organizational and staffing changes in Finance and Operations as may be required by the loss to retirement of Associate Vice President Clint Johnson next summer. He will also carry senior advisory responsibilities for me in several important special projects including the contemplated modernization of the University's financial recording and reporting systems and procedures, the improvement of the University's Patent Office and more effective participation in the University's ongoing long-range planning process.

During this period, Mr. Potami will formally take a leave of absence from his position as Director of the Office of Research Administration, while remaining in position to assist with special issues or problems that may arise in that office. Mr. Merlin Garlid will act as Director of the Office of Research Administration on a day-to-day basis.

This appointment is formally effective on Monday, November 16th. From that day forward, Mr. Potami may be reached in Morrill Hall, telephone number 373-5541.

Since Mr. Potami will continue to maintain his ORA office in the Administrative Services Center during the term of his temporary appointment, it may also be possible to reach him at 376-7614.

The Assistant Director of ORA has been delegated authority by the Board of Regents for the administrative approval of proposals and acceptance of awards on behalf of the Regents. Therefore, during Mr. Potami's leave of absence from ORA, it is requested that applications reflect Mr. Merlin Garlid, Assistant Director, ORA, as the official signing for the applicant organization.

POST-DOCTORAL FELLOWSHIP IN THE
HUMANITIES

Bryn Mawr College is offering two
Andrew W. Mellon Post-Doctoral Fellow-
ships in the humanities for 1982-83.

Candidates should be specializing in contemporary literature (post-1950),
literature and film, or women's studies with a humanities focus. Preference
will be given to those who received a Ph.D. within the last four years. For
details, contact Dean, Graduate School of Arts and Sciences, Bryn Mawr
College, Bryn Mawr, Pennsylvania 19010. Deadline: January 15, 1982.

NRC RESEARCH ASSOCIATESHIP
PROGRAMS

The National Research Council has
announced 250 awards to recent
recipients of the doctorate and, in

some programs, to senior investigators to work in any of 70 federal research
laboratories. Programs are offered in atmospheric and earth sciences,
chemistry, engineering, environmental sciences, life sciences, mathematics,
physics, and space sciences. Stipends begin at \$22,400 with higher rates for
Seniors. Contact Associateship Office, JH 610P, National Research Council,
2101 Constitution Avenue NW, Washington, D.C. 20418 (202) 334-2760. Deadline:
January 15, 1982.

VISITING FELLOWSHIPS IN CANADIAN
GOVERNMENT LABORATORIES

The National Research Council of Canada
offers research associateships for two
years in its laboratories. Applicants

should have recently acquired a Ph.D. in natural sciences or a Master's degree
in engineering. Canadians are given preference but all nationalities may
apply. For applications contact the Graduate School Fellowship Office, 422
Johnston Hall, 373-2833. Deadline: December 15, 1981.

OFFICE OF INTERNATIONAL PROGRAMS
DEADLINE INFORMATION

Application deadline is January 15,
1982, for the 1982-1983 Small Grants
Research Program sponsored by the OIP.

The program awards funds to faculty for research projects that promise to
strengthen the overall competence of the University in the international
field.

The OIP also announces publication of the third edition of the "Directory of
Financial Aids for International Activities." The directory contains informa-
tion on study, research, travel and teaching opportunities abroad. Copies are
available for use in financial aid, fellowship, research, and international
activities offices at the University of Minnesota, or may be purchased. For
further information, please contact the OIP at 373-3793.

UNIVERSITY COMPUTER CENTER
SPECIAL SERVICES

The University Computer Center (UCC)
offers an array of facilities to help
researchers produce professional-

looking papers with the aid of a computer. The services include small grants
for computer time, as well as public computer labs with terminals and

printers. For further information on UCC's Text Processing Services, contact Renee Holoien, 139 Shepherd Labs, 376-2943.

UCC also publishes a quarterly, "Computing", for individuals interested in the special services offered by the UCC. Additional information regarding the publication may be obtained from Christine Mack Gordon, UCC, 227 Experimental Engineering, 376-9832.

**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 appli-

cations must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, New Investigator Award-Research Grant	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	February 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	February 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	March 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15

NINCDS, Research Grants in Neonatal Brain Disorders Research	February 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	March 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	February 1
NEY, National Eye Institute - Small Grants Program	February 1
NINCDS, Support of Research Centers and Program Projects	February 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	March 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	March 1
NHLBI, Research in Sickle Cell Disease: Hemostatic and Coagulation Factors	March 1
NHLBI, Small Vessel Prostheses	March 1
NHLBI, Research on Consequences of Therapeutic Apheresis	March 1
NIAMDD, Research Interests of the Kidney Disease and Urology Program	March 1
NIDR, Wound Healing in Craniofacial Injuries	March 1
NICHD, Basic and Clinical Studies of Normal Development and Developmental Defects	March 1
NIDR, Treatment of Viral Infections of Oral Soft Tissues	March 1
NIA, Academic Award	February 1
NICHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	March 1
NICHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction, Developmental Nutrition, Infant Nutrition, Nutritional Individuality, Cultural and Behavioral Aspects of Nutrition, etc.)	March 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry, Nutritional Physiology, Nutritional Microbiology, Nutritional Immunology, Nutritional Epidemiology)	March 1
NIA, New Investigator Research Award in Nutrition	March 1
NIDR, Craniofacial Dysmorphology Research	March 1
NIAMDD, New Investigator Research Award in Nutrition	March 1
NIAID, Mechanisms in Food Allergy, RFA: NIH-NIAID-81-4	March 1
NHLBI, Dietary Sodium and Its Role in the Prevention and Management of Hypertension	March 1
NIAMDD, Continuous Ambulatory Peritoneal Dialysis (CAPD) as a Maintenance Therapy for the Chronic Renal Failure Patient	March 1
NINCDS/NIA, Alzheimer's Disease and Other Related Dementias of Aging	March 1
NIAID, Clinical Investigator Award	February 1
NHLBI, NIADDK, Research in the Thalassemias	March 1
NCI, Surgical Oncology Research	March 1

NIDR, Small Grants Program	February 1
NIA, Teaching Nursing Home Plant (Letter of intent by 2/1)	March 1
NCI, RFA: Grants in Nutrition - NCI - Training	February 1
NCI, Experimental Research Related to Biological Effects of Low Doses of Ionizing Radiation	March 1
NIDR, Diet and Nutrition Research	March 1
NINCDS, Clinical Studies of Chemosensory Disorders:	
Individual National Research Service Award	February 1
Institutional National Research Service Award	February 1
NINCDS, Clinical Research Training Speech and Language Disorders - Institutional National Research Service Award	February 1
NINCDS, Tinnitus Research	March 1
NIA, Research on Urinary Incontinence in the Elderly	February 1
NIA, Health and Effective Functioning in the Middle and Later Years	March 1
DRR, Biomedical Research Support Grant	January 1
NIA, Program Project Research Grant	February 1
NIDR, Dental Implant Research	March 1
NICHD, Effective Fertility Regulation Research Projects	March 1
New Investigator Research Award	March 1
Program Project Grant	February 1
NHLBI, RFA: NHLBI-DLD-82G-A, Immune Responses in the Lung Underlying Interstitial Pulmonary Fibrosis	January 15
NCI, RFA: NIH-NCI-DCT-BRMP-81-5, Monoclonal Antibody in Cancer Therapy	December 15
NCI, RFA: NIH-NCI-DCT-BRMP-81-6, Monoclonal Antibody in Animal Tumor Models	December 15
NCI, NIH-NCI-DCT-BRMP-81-8, Animal Tumor Models for Anti- peptide Growth Factor and Maturation Factor Therapy	December 15
NCI, NIH-NCI-DCT-BRMP-81-9, Therapeutic Use of Lymphokines in Cancer	December 15

Alcohol, Drug Abuse, and Mental Health

Research Grants, New	March 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
NIAAA, Special Notification for Research on Nutrition and Behavior	March 1
NIMH, Research Areas in Nutrition	March 1
NIMH, Research in Neurosciences, Behavioral Sciences, Epidemiologic Research, Clinical (Assessment and Etiological) Research, Treatment Research, and Prevention Research:	
Research Scientist Development Proposals	February 1
Program Project Proposals	February 1
Clinical Research Center Proposals	February 1
Regular Research Proposals	March 1

NIAAA, Research Grants Program: 1) Etiology; 2) Early Identification and Diagnosis; 3) Pathogenesis; 4) Treatment; 5) Prevention; and 6) Basic Tools and Methodologies	March 1
NIAAA, Alcohol Research Center Grants	February 1
NIDA, Research Grants Program: 1) Epidemiology of Drug Abuse; 2) Etiology of Drug Abuse; 3) Drug Abuse Treatment; 4) Prevention; 5) Adverse Effects and Clinical Pharmacology of Abused Substances; 6) Basic Research and Methodological Development	March 1
NIAAA/NIDA/NIMH, Individual NRSA	February 1
NIAAA/NIDA/NIMH, Institutional NRSA Training	February 1
<u>Health Care Financing Administration</u> Grants for Research and Demonstration	April 5
<u>Food and Drug Administration</u> Research Grants, New Research Grants, Renewals	March 1 February 1
<u>Health Resources Administration</u> Health Careers Opportunity Program Grants	December 11
<u>Department of Education</u> Handicapped Media Services and Captioned Films Program	December 16
International Research and Studies Program Title VI of the Higher Education Act of 1965	January 11
Handicapped Children's Early Education Program	December 10
Bilingual Vocational Training Program	January 6
Bilingual Vocational Instructor Training Program	January 6
Bilingual Education Act Desegregation Support Program	January 15
School of Education Projects Program	January 25
Training Projects Program	February 9
Basic Projects in Bilingual Education Program	February 9
Support Services Projects Program: Bilingual Education Service Center (BESCs)	February 9
Demonstration Projects Program	February 9
Indian Education Grant, Part B-Educational Personnel Development	January 8
Indian Education-Fellowships for Indian Students	February 16
Grants for Special Educational Programs for Students Whose Families are Engaged in Migrant and Other Seasonal Farmwork High School Equivalency Program	February 19
College Assistance Migrant Program	February 19
College Library Resources Program	January 29
Undergraduate International Studies and Foreign Language Program - Continuations Only	January 5
National Resources Centers and Fellowship Programs - Continuations Only	December 15
Institute of Museum Services	January 19

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next few months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses may be requested. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

- Ethics and Values in Science and Technology. Inter-disciplinary incentive awards (Brochure SE 81-62A). Contact Dr. Rachelle Hollander, Division of Intergovernmental and Public Service Science and Technology Programs (202) 357-7552 February 1
- Ethics and Values in Science and Technology. Sustained development awards (Brochure SE 81-62B). Contact Dr. Rachelle Hollander, Division of Intergovernmental and Public Service Science and Technology Programs (202) 357-7552 February 1
- Information Science and Technology. Special research initiation awards for new investigators. Contact Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569 February 3
- Experimental Computer Science. New faculty research grants. Contact the Program Director, New Faculty Research Grants in Experimental Computer Science, Computer Science Section (202) 357-7345 March 1
- U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between July 1, and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 March 1
- U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between July 1 and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 March 1
- U.S.-India Exchange of Scientists (Brochure NSF 78-66). For travel between November 15, 1982 and May 15, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 March 15
- U.S.-Australia Cooperative Science (Brochure NSF 81-49). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558 April 1

U.S.-New Zealand Cooperative Science (Brochure NSF 81-50). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1
Ethics and Values in Science and Technology. Formal Proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	April 1
U.S.-Japan Cooperative Science. Cooperative research proposals. Deadline does not apply to proposals in marine biology or food productivity. Contact Mr. Charles Owens, Division of International Programs (202) 357-9537	April 1
U.S.-Latin America and Caribbean Cooperative Science (Brochure NSF 80-52). Proposals for scientific visits, bilateral workshops and supplemental support for cooperative research. Contact Ms. Christine French or Mr. Edward Finn, Division of International Programs (202) 357-9563	May 1
U.S.-France Cooperative Science (Brochure NSF 80-48). Contact Dr. Stephen Mosier, Division of International Programs (202) 357-7554	May 1
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Cooperative research and workshop/seminars. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	May 1
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Long-term research visits starting fall semester. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	May 15
U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	June 1
U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	June 1
Industry/University Cooperative Research Centers. Contact Mr. Robert Colton or Mr. Alex Schwarzkopf, Division of Industrial Science and Technological Innovation (202) 357-7527	June 1

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Policy Research and Analysis. Extramural research to be funded in fiscal year 1982 (Brochure NSF 78-78). Contact Ms. Agnes Rhodes, Division of Policy Research and Analysis (202) 357-9689	January 1
Earth Sciences: Geology, Geophysics, Geochemistry, and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	January 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	January 4
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	February 1
Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	February 1
Alternative Biological Resources. Contact Dr. H. T. Huang, Division of Physiology, Cellular and Molecular Biology (202) 357-9782	February 1
Biochemistry. Contact Dr. Michael Cusanovich, Division of Physiology, Cellular and Molecular Biology (202) 357-7945	February 1
Biophysics. Contact Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7777	February 1
Cell Biology. Contact Dr. Jack Pate, Division of Physiology, Cellular and Molecular Biology (202) 357-7474	February 1
Cell Physiology. Contact Dr. Joseph Albright, Division of Physiology, Cellular and Molecular Biology (202) 357-7377	February 1
Developmental Biology. Contact Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989	February 1
Genetic Biology. Contact Dr. DeLill Nasser, Division of Physiology, Cellular and Molecular Biology (202) 357-9687	February 1
Regulatory Biology. Contact Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975	February 1
Economics. Contact Dr. Daniel Newlon, Dr. James Blackman, or Dr. Lynn Pollnow, Division of Social and Economic Science (202) 357-9675	February 2
Geography and Regional Science. Contact Dr. James Blackman, Division of Social and Economic Science (202) 357-9674	February 2
Political Science. Contact Dr. Frank Scioli, Jr., Division of Social and Economic Science (202) 357-7534	February 2

Law and Social Sciences. Contact Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567	February 2
Regulation and Policy Analysis. Contact Dr. Laurence Rosenberg or Dr. Trudi Miller, Division of Social and Economic Science (202) 357-7417	February 2
Sociology. Contact Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802	February 2
Measurement Methods and Data Resources. Contact Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913	February 2
History and Philosophy of Science. Contact Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617	February 2
Biological Instrumentation. Contact Dr. Robert Newburgh, Division of Physiology, Cellular, and Molecular Biology (202) 357-7652	April 30
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	May 1
Earth Sciences: Geology, Geophysics, Geochemistry and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	May 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	May 3
Metabolic Biology. Contact Dr. Elijah Romanoff, Division of Physiology, Cellular, and Molecular Biology (202) 357-7987	June 1
United States Antarctic Research. Obtain brochure and proposal preparation kit from Division of Polar Programs before submitting proposal. Contact Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817	June 1
Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	June 15

*NSF 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. Brochures indicated in parentheses may be ordered.

Anthropology. Contact Dr. John Yellen (202) 357-7804	*
Linguistics. Contact Dr. Paul Chapin (202) 357-7696	*
Memory and Cognitive Processes. Contact Dr. Joseph Young (202) 357-9898	*
Neurobiology. Contact Dr. Steven E. Kornguth (202) 357-7471	*
Psychobiology. Contact Dr. Fred Stollnitz (202) 357-7949	*
Sensory Physiology and Perception. Contact Dr. Terrence Dolan (202) 357-7428	*
Social and Developmental Psychology. Contact Dr. Richard Louttit (202) 357-9485	*

Biological Research Resources. Contact Dr. James Tyler
(202) 357-7475

Ecology. Contact Dr. Gary Barrett (202) 357-9734 *

Ecosystem Studies. Contact Dr. W. Franklin Harris
(202) 357-9596 *

Population Biology and Physiological Ecology. Contact
Dr. Jerry Downhower (202) 357-9728 *

Systematic Biology. Contact Dr. Grady Webster
(202) 357-9588 *

Engineering Research Equipment (Brochure NSF 81-31).
Contact the appropriate Engineering Division:
Electrical, Computer, and Systems Engineering
(202) 357-9618; Chemical and Process Engineering
(202) 357-9606; Civil and Environmental Engineering
(202) 357-9545; and Mechanical Engineering and Applied
Mechanics (202) 357-9542. For Administrative inquiries
contact Ms. Janice Apruzese, Directorate for Engineering
(202) 357-9834 *

Engineering Research Initiation Grants. Contact
Ms. Janice Apruzese, Directorate for Engineering
(202) 357-9834 *

Industry/University Cooperative Research Projects
(Brochure NSF 80-31). Contact Division of Industrial
Science and Technological Innovation: Dr. Frederick Betz
(202) 357-7784 or Mr. Alex Schwarzkopf (202) 357-7527 *

Research in Information Science and Technology (Brochure
NSF 81-34). Contact the Division of Information Science
and Technology (202) 357-9572 *

Science in Developing Countries. Contact Dr. Gordon
Hiebert, Division of International Programs
(202) 357-9537, for current guidelines *

U.S.-East Asia Countries Cooperative Science (Brochure NSF
81-30). For projects with Indonesia, Malaysia,
Thailand, and Singapore, contact Dr. Gordon Hiebert,
Division of International Programs (202) 357-9537; for
projects with Korea and the Philippines, contact
Dr. Gerald A. Edwards, Division of International
Programs (202) 357-9537 *

U.S.-Japan Cooperative Earthquake Research. Steel
Building Research (Brochure NSF 81-56). Contact
Dr. S. C. Liu, Division of Civil and Environmental
Engineering (202) 357-9500 *

U.S.-New Zealand Cooperative Science. Letter-proposals
for travel costs only for three-week visits for the pur-
pose of developing cooperative research in physical
oceanography, marine geology and geophysics, or marine
biology. Contact Mr. Alan Milsap, Division of
International Programs (202) 357-9558 *

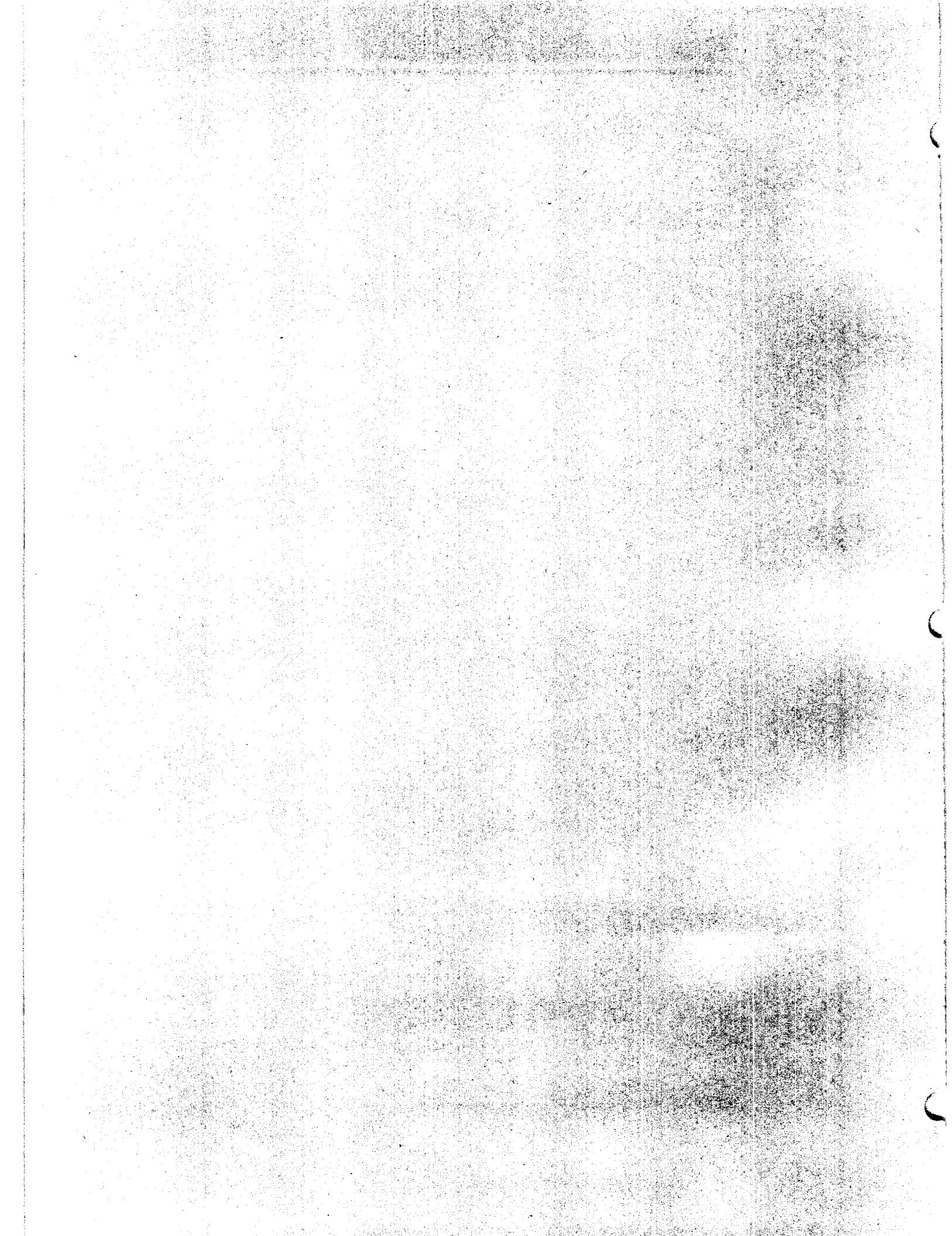
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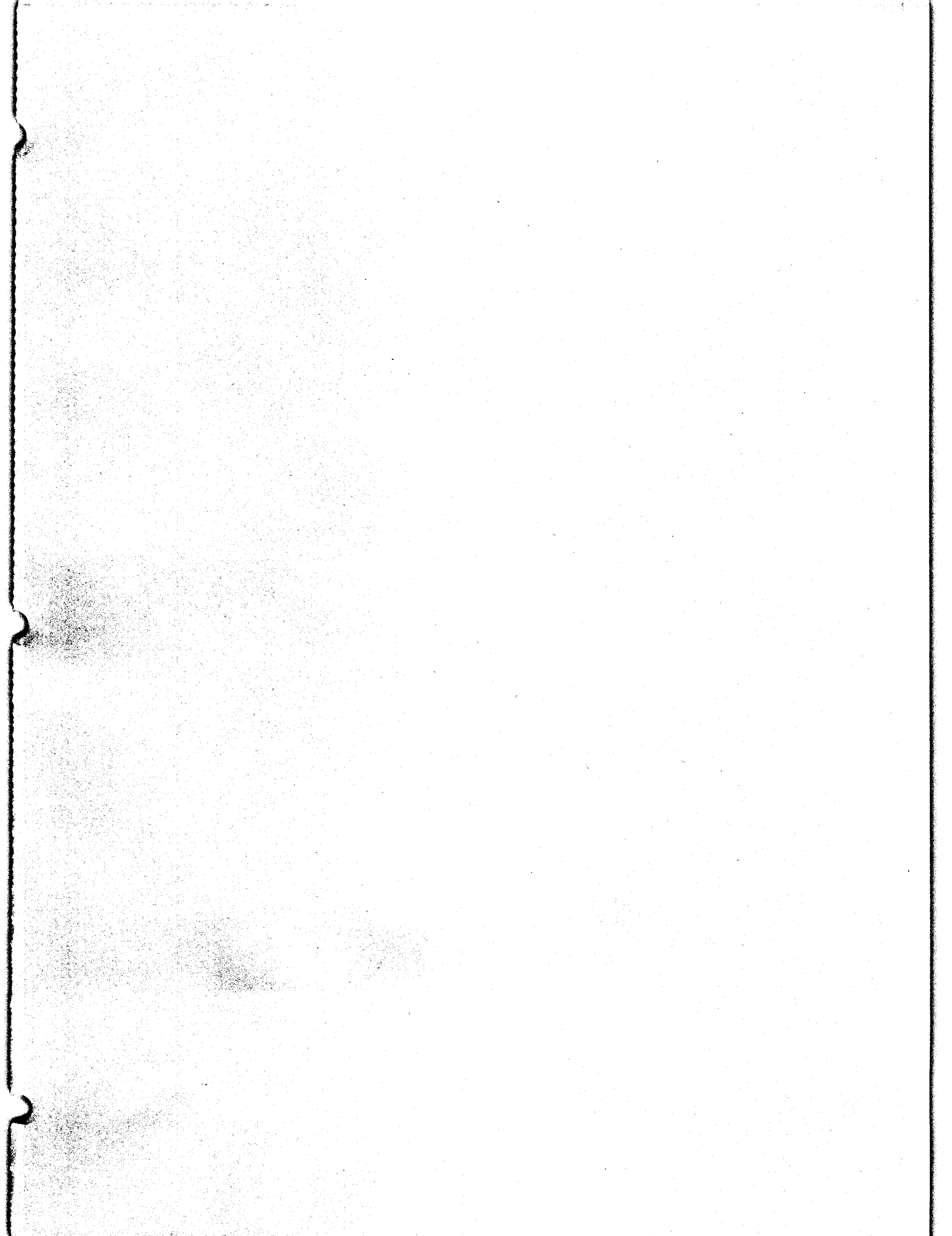
Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Cancer Society	
Scholars in Cancer Research	March 1
Postdoctoral Fellowships	March 1
Faculty Research Awards	March 1
Junior Faculty Research Awards	March 1
Research Professorships	March 1
Research and Clinical Investigator Grants	April 1
American Council of Learned Societies	
Grants-in-Aid	December 15
Summer Language Grants - Mellon Fellowships for Chinese Studies	January 1
American Diabetes Association, Inc.	
Feasibility Grant Program	February 1
Arthritis Foundation - Minnesota Chapter	February 15
Cystic Fibrosis Foundation	
New Investigator Research Grants	April 1
Research Grants	April 1
Student Traineeships	April 1
Engineering Foundation	
Pre-proposals	No Deadline
Exxon Foundation	No Deadline
Ford Foundation	
National Affairs, Education and Public Policy, and International Affairs	No Deadline
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission of formal proposal	No Deadline
Juvenile Diabetes Foundation	
Research Grants	March 1
Ladies Auxiliary, Veterans of Foreign Wars of U.S.	
Cancer Research Fellowship Grants	February 1
March of Dimes	
Basil O'Connor Starter Research Grants	Continuous
Education Grants	January 1
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Minnesota Humanities Commission	
Draft Application	January 22 & April 23
Final Application	February 12 & May 14
Minnesota Medical Foundation	December 31 & March 31
National Multiple Sclerosis Society	
Research Grants	January 15
Fellowships	January 15

Pharmaceutical Manufacturers Association Foundation Postmarketing Monitoring Methodology Program	January 8
Proctor and Gamble Company Exploratory Research Program	January 1
Robert Wood Johnson Foundation General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund Fellowships	December 15
University Genetics Company (UGEN)	No Deadline

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.





Office of Research Administration
Administrative Services Center, 5th Floor
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University of Minnesota
St. Paul, Minnesota 55104

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ORADDC Newsletter

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January 1982

Volume XI/No. 7

REMINDER - EQUIPMENT DEFINITION

The Office of Management and Budget, Circular A-21, provides the following definition for equipment:

"Equipment means an article of non-expendable tangible property having a useful life of more than two years and an acquisition cost of \$500 or more per unit."

Accordingly, to allow proper budgeting and recovery of indirect costs, which exclude equipment from the base, it is necessary that items not meeting the above criteria (life expectancy and cost) be reflected under "other direct costs" or "supplies", as appropriate, at the time of proposal submission.

SPECIAL ANNOUNCEMENT ISSUED DECEMBER 2, 1981 BY NIH REGARDING FY 1982 FUNDING

The National Institutes of Health has issued a notice that indicates they, along with most other components of the Federal Government, are limiting obligations to a level of 12 percent below the fiscal year 1982 budget that the President requested last March. A complete copy of this announcement can be found in the December 2, 1981 NIH Guide for Grants and Contracts or obtained from the Office of Research Administration at 373-5925.

AMENDMENTS TO THE NATIONAL RESEARCH SERVICE AWARD ACT

The Omnibus Reconciliation Act of 1981 (P.L. 97-35), which was signed by President Reagan on August 13, 1981, contains several provisions of interest to program directors and individuals who will be, are being, or have been, supported under the National Research Service Award (NRSA) Act. In implementing these provisions NIH, ADAMHA, and HRA/DN call attention to the following:

1. An increased emphasis has been placed on the research training of physicians. The Secretary is instructed, in taking account of the Nation's overall need for biomedical research personnel, to give special consideration to physicians who agree to undertake a minimum of two years of biomedical research.
2. Prebaccalaureate candidate holders of Minority Access to Research Careers (MARC) support under the NRSA are relieved of further payback obligation for research training obtained under a MARC award.

3. That portion of the law which speaks to a payback obligation has been amended to require it only for awards made in excess of 12 months. This amendment has been interpreted to eliminate 12 months of NRSA support from computation of the payback obligation for:
 - a. All recipients of NRSA awards made on or after August 13, 1981.
 - b. All recipients of NRSA awards in research training on August 13, 1981.
 - c. All recipients of NRSA awards prior to August 13, 1981 who have not yet begun fulfillment of the payback obligation.
 - d. All recipients of NRSA awards prior to August 13, 1981 who are in the process of fulfilling the payback obligation.

These provisions do not apply to individuals in delinquent payback status prior to August 13, 1981.

4. Alternate service in a health-related activity in lieu of engaging in biomedical research and/or teaching has been eliminated as an optional form of fulfilling the payback obligation for individuals entering the NRSA program on or after August 13, 1981.

**INSTITUTIONAL RESEARCH GRANT
AWARD FROM AMERICAN CANCER
SOCIETY**

The University of Minnesota has been awarded a renewal of its Institutional Research Grant from the American Cancer Society (ACS) for 1981-1982. This fund

is intended to serve as "seed" money permitting the initiation of promising new projects or novel ideas 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 \$7,000 from this fund with a deadline of February 15, 1982. Instructions and application forms may be obtained from the Dean's Committee for the ACS Institutional Research Grant, Room 421 Masonic Hospital, telephone: 373-4318.

**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 appli-

cations must be processed through the appropriate academic department, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, New Investigator Award-Research Grant	March 1
NIH, New Investigator Awards	March 1
NIH, Research Career Development Awards	February 1
NIH, Individual Postdoctoral Fellowships	February 1
NIH, Institutional Training Programs	February 1
NCI, Cancer Clinical Treatment Branch	March 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	February 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	February 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDs/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	February 1
NIA, Basic Aging Program	March 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NINCDs, Research Grants in Neonatal Brain Disorders Research	February 1
NHLBI, Research Fundamental to Protecting Ischemic Myocardium	March 1
NIGMS, Minority Access to Research Careers Predoctoral Fellowships Program (Student must be graduate of the MARC Honors Undergraduate Research Training Program)	February 1
NEY, National Eye Institute - Small Grants Program	February 1
NINCDs, Support of Research Centers and Program Projects	February 1
NIAMDD, Studies of the Kidney Related to Diabetes Mellitus	March 1
NHLBI, The Influence of Psychosocial Stressors on Smoking Cessation and Maintenance of Cessation	March 1
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NIA, Health and Effective Functioning in the Middle and Later Years	March 1
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NIDR, Dental Implant Research	March 1
NICHD, Effective Fertility Regulation Research Projects	March 1
New Investigator Research Award	March 1
Program Project Grant	February 1
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NIAID, RFA: 82-1, International Collaboration in Infectious Diseases Research (Letter of intent by 4/1) International Program Project Grants	October 15
International Exploratory/Developmental Research Grant	October 15
NIAID, RFA: 82-2, Epidemiology and Natural History of Genital Herpes	February 15

NIAID, RFA: 82-3, Program Projects in Lymphocyte Biology	February 15
NICHD, Center for Population Research, Reproductive Sciences Program, Reproductive Disorders in Women	March 1
NIDR, RFA: NIH-NIDR-NCP-82-1, Characterization of Bacteriocins and Their Role in Plaque Formation and Dental Caries	February 15
NICHD/NIAMDDK/NIAID, Research Grant Support in Nutrition-Environmental and Host Factors Affecting Nutritional Requirements	March 1
NINCD, Clinical Otolaryngologic Research Centers	February 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
Individual Postdoctoral Fellowships	February 1
Institutional Training Grants, NRSA	February 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	February 1
NIAAA, Special Notification for Research on Nutrition and Behavior	March 1
NIMH, Research Areas in Nutrition	March 1
NIMH, Research in Neurosciences, Behavioral Sciences, Epidemiologic Research, Clinical (Assessment and Etiological) Research, Treatment Research, and Prevention Research:	
Research Scientist Development Proposals	February 1
Program Project Proposals	February 1
Clinical Research Center Proposals	February 1
Regular Research Proposals	March 1
NIAAA, Research Grants Program (Etiology, Early Identification and Diagnosis, Pathogenesis, Treatment, Prevention, and Basic Tools and Methodologies)	March 1
NIAAA, Alcohol Research Center Grants	February 1
NIDA, Research Grants Program (Epidemiology of Drug Abuse, Etiology of Drug Abuse, Drug Abuse Treatment, Prevention, Adverse Effects and Clinical Pharmacology of Abused Substances, Basic Research and Methodological Development)	March 1
NIAAA/NIDA/NIMH, Individual NRSA	February 1
NIAAA/NIDA/NIMH, Institutional NRSA Training	February 1
<u>Health Care Financing Administration</u>	
Grants for Research and Demonstration-April 5 deadline	Canceled
<u>Food and Drug Administration</u>	
Research Grants, New	March 1
Research Grants, Renewals	February 1
<u>Department of Education</u>	
International Research and Studies Program	
Title VI of the Higher Education Act of 1965	January 11

Bilingual Education Act	
Desegregation Support Program	January 15
School of Education Projects Program	January 25
Training Projects Program	February 9
Basic Projects in Bilingual Education Program	February 9
Support Services Projects Program:	
Bilingual Education Service Centers (BESCs)	February 9
Demonstration Projects Program	February 9
Indian Education-Fellowships for Indian Students	February 16
Grants for Special Educational Programs for Students Whose Families are Engaged in Migrant and Other Seasonal Farmwork	
High School Equivalency Program	February 19
College Assistance Migrant Program	February 19
College Library Resources Program	January 29
Institute of Museum Services	January 19
Library Career Training Program	February 8
Strengthening Research Library Resources Program	February 18
Fund for the Improvement of Postsecondary Education:	
Final Application (Agency request pursuant to 12/14 submission)	March 2
Continuation (non-competing) Proposals	February 2
 <u>Office of Human Development Services</u>	
Discretionary Funds Program, Preapplications	January 15
 <u>National Institute of Education</u>	
Unsolicited Proposal Program	February 4

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next few months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses may be requested. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

Experimental Computer Science. New faculty research grants. Contact the Program Director, New Faculty Research Grants in Experimental Computer Science, Computer Science Section (202) 357-7345	March 1
U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between July 1, and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	March 1

U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between July 1 and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	March 1
U.S.-India Exchange of Scientists (Brochure NSF 78-66). For travel between November 15, 1982 and May 15, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	March 15
U.S.-Australia Cooperative Science (Brochure NSF 81-49). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1
U.S.-New Zealand Cooperative Science (Brochure NSF 81-50). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1
Ethics and Values in Science and Technology. Formal Proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	April 1
U.S.-Japan Cooperative Science. Cooperative research proposals. Deadline does not apply to proposals in marine biology or food productivity. Contact Mr. Charles Owens, Division of International Programs (202) 357-9537	April 1
U.S.-Latin America and Caribbean Cooperative Science (Brochure NSF 80-52). Proposals for scientific visits, bilateral workshops and supplemental support for cooperative research. Contact Ms. Christine French or Mr. Edward Finn, Division of International Programs (202) 357-9563	May 1
U.S.-France Cooperative Science (Brochure NSF 80-48). Contact Dr. Stephen Mosier, Division of International Programs (202) 357-7554	May 1
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Cooperative research and workshop/seminars. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	May 1
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Long-term research visits starting fall semester. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	May 15
U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	June 1
U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	June 1

Industry/University Cooperative Research Centers. Contact Mr. Robert Colton or Mr. Alex Schwarzkopf, Division of Industrial Science and Technological Innovation (202) 357-7527	June 1
U.S.-Republic of Korea Cooperative Science (Brochure NSF 81-30). This is a new deadline. Proposals received prior to July 1, 1982, will be handled individually on a case by case basis. Proposals for cooperative research in biochemical engineering, marine science, and other areas; short- and long-term visits; and seminars. Contact Dr. Gerald A. Edwards, Division of International Programs (202) 357-9537	July 1
Oceanographic Facilities and Support. Contact Mr. Ronald La Count, Division of Ocean Sciences (202) 357-7837	July 1
Materials Research Laboratories. Contact Dr. William Oosterhuis, Division of Materials Research (202) 357-9791	July 15
Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.	
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	February 1
Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	February 1
Alternative Biological Resources. Contact Dr. H. T. Huang, Division of Physiology, Cellular and Molecular Biology (202) 357-9782	February 1
Biochemistry. Contact Dr. Michael Cusanovich, Division of Physiology, Cellular and Molecular Biology (202) 357-7945	February 1
Biophysics. Contact Dr. Arthur Kowalsky, Division of Physiology, Cellular and Molecular Biology (202) 357-7777	February 1
Cell Biology. Contact Dr. Jack Pate, Division of Physiology, Cellular and Molecular Biology (202) 357-7474	February 1
Cell Physiology. Contact Dr. Joseph Albright, Division of Physiology, Cellular and Molecular Biology (202) 357-7377	February 1
Developmental Biology. Contact Dr. Mary Clutter, Division of Physiology, Cellular and Molecular Biology (202) 357-7989	February 1
Genetic Biology. Contact Dr. DeLill Nasser, Division of Physiology, Cellular and Molecular Biology (202) 357-9687	February 1
Regulatory Biology. Contact Dr. Bruce Umminger, Division of Physiology, Cellular and Molecular Biology (202) 357-7975	February 1
Economics. Contact Dr. Daniel Newlon, Dr. James Blackman, or Dr. Lynn Pollnow, Division of Social and Economic Science (202) 357-9675	February 2

Geography and Regional Science. Contact Dr. James Blackman, Division of Social and Economic Science (202) 357-9674	February 2
Political Science. Contact Dr. Frank Scioli, Jr., Division of Social and Economic Science (202) 357-7534	February 2
Law and Social Sciences. Contact Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567	February 2
Regulation and Policy Analysis. Contact Dr. Laurence Rosenberg or Dr. Trudi Miller, Division of Social and Economic Science (202) 357-7417	February 2
Sociology. Contact Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802	February 2
Measurement Methods and Data Resources. Contact Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913	February 2
History and Philosophy of Science. Contact Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617	February 2
Biological Instrumentation. Contact Dr. Robert Newburgh, Division of Physiology, Cellular, and Molecular Biology (202) 357-7652	April 30
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	May 1
Earth Sciences: Geology, Geophysics, Geochemistry and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	May 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	May 3
Metabolic Biology. Contact Dr. Elijah Romanoff, Division of Physiology, Cellular, and Molecular Biology (202) 357-7987	June 1
United States Antarctic Research. Obtain brochure and proposal preparation kit from Division of Polar Programs before submitting proposal. Contact Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817	June 1
Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	June 15
Alternative Biological Resources. Contact Dr. H. T. Huang, Division of Physiology, Cellular, and Molecular Biology (202) 357-9782	July 1
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Regulatory Biology. Contact Dr. Bruce Umminger, Division of Physiology, Cellular, and Molecular Biology (202) 357-7975	July 1

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Cancer Society	
Scholars in Cancer Research	March 1
Postdoctoral Fellowships	March 1
Faculty Research Awards	March 1
Junior Faculty Research Awards	March 1
Research Professorships	March 1
Research and Clinical Investigator Grants	April 1
American Chemical Society - Petroleum Research Fund Grants-in-Aid	No Deadline
American Diabetes Association, Inc. Feasibility Grant Program	February 1
American Philosophical Society Grants-in-Aid	Various--Contact ORA
Arthritis Foundation - Minnesota Chapter	February 15
Cystic Fibrosis Foundation	
New Investigator Research Grants	April 1
Research Grants	April 1
Student Traineeships	April 1
Engineering Foundation	
Pre-proposals	No Deadline
Exxon Foundation	No Deadline
Gas Research Foundation	
Telephone contact or letter of inquiry prior to submission of formal proposal	No Deadline
IREX	
Developmental Fellowships	March 15
Special Grants Programs in Humanities and Social Sciences	
Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30
Juvenile Diabetes Foundation	
Research Grants	March 1
Ladies Auxiliary, Veterans of Foreign Wars of U.S.	
Cancer Research Fellowship Grants	February 1
March of Dimes	
Basil O'Connor Starter Research Grants	Continuous
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1

Minnesota Humanities Commission	
Draft Application	January 22 & April 23
Final Application	February 12 & May 14
Minnesota Medical Foundation	March 31 & June 30
National Association of Animal Breeders	March 1
National Foundation for Ileitis and Colitis, Inc.	February 1
National Geographic Society	
Grants-in-Aid	No Deadline
National Multiple Sclerosis Society	
Research Grants	January 15
Fellowships	January 15
Orthopaedic Research and Education Foundation	March 1
Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Technicon Instruments Corporation	
Grants for Research in Biomedical and Industrial Instrumentation	
Pre-proposals	No Deadline
The Twentieth Century Fund	
Public Policy Research (economic, social and political issues)	No Deadline
University Genetics Company (UGEN)	No Deadline

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

Office of Research Administration
Administrative Services Center, 5th Floor
1919 University Avenue
University of Minnesota
St. Paul, Minnesota 55104

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ORA/RDC Newsletter

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

February 1982

Volume XI/No. 8

REQUEST FOR COMMENTS ON CONTINUING PUBLICATION OF ORA/RDC NEWSLETTER

Interim actions for reducing institutional expenditures were announced in a memo from President C. Peter Magrath to Provosts, Deans, Directors and

Department Heads, dated January 8, 1982. One of the measures instituted was the following: "No newsletters and magazines, regardless of source of funding, may be published beginning with Spring Quarter without explicit permission. A central review body will be established to consider individual requests for exceptions. Further information will be provided in the next few weeks on the appeals process."

Since its inception in 1971 the ORA/RDC Newsletter has provided faculty and others with information on application deadlines, new program developments, changes in regulations, and institutional policies and procedures relative to contracts and grants. In an effort to determine whether an appeal for continuation of the newsletter in its present form should be initiated, we are asking for your comments. Please address your written comments to Mary Cybyske, Office of Research Administration, Room 546a, 1919 University Avenue, St. Paul, 55104, or call 376-7682.

UPDATE ON NIH GRANT CUTS

NIH officials are attempting to develop a plan to cope with the Continuing

Resolution passed by Congress and signed by the President. An announcement dated December 2, 1981, indicated that noncompeting continuation grants (Type 5) and competing continuation awards (Type 2) would be issued with a 12% reduction in the approved budget. Current information now indicates that the reduction will be 4% rather than 12%. Those grantees with awards already issued, reflecting the 12% cut, will receive a supplemental award restoring approximately 8% of the reduced amount. In addition, NIH anticipates that competing grant awards will be held to 4,700 per year under the current plan.

Training grants will also be cut 4%, with stipend levels remaining at the current rates. Based on information available, NIH also plans to pay the full 8% indirect cost rate for training grants, and institutional allowances of \$1,500 for predoctoral fellows, \$2,500 for postdoctoral fellows, and \$3,000 for trainees holding fellowships.

USDA PROGRAM ANNOUNCEMENTS
AND DEADLINES

The USDA has announced solicitation of applications for two grant programs. Proposals must be prepared from

Research Grant Application Kit dated November 1981, which may be obtained by calling 373-2771. For further information, please call Fran Welch, 373-2785.

(1) Competitive Research Grants Program for Basic Research for FY 1982. Proposals must be postmarked by the following dates:

Biological Nitrogen Fixation	February 16, 1982
Photosynthesis	February 16, 1982

(2) Special and Alcohol Fuels Research Grants Program for FY 1982. Proposals must be received at USDA/GAMO by the close of business on the following dates:

Soybean Research	March 5, 1982
Antidesertification Research	March 5, 1982
Food Quality and Safety Research	March 5, 1982
Animal Health Research	March 19, 1982
Aquaculture Research	March 26, 1982
Energy Research	April 9, 1982
Ethyl Alcohol Research	April 9, 1982

DOD FUNDING OF UNIVERSITY-
BASED RESEARCH

A recent report on a symposium on DOD university-based research held in November 1981 indicated that the

overall DOD 1981 research and development budget for basic research increased 11% over 1980 and may increase 18% over 1981. Increases in FY 1981 research and development funding for the Defense Advanced Research Projects Agency (30%) and the Office of Naval Research (16%) are expected to be similar for FY 1982. DOD disciplines include physics, mechanics, electronics, chemistry, computer science, aerospace engineering, social science, atmospheric and oceanography. Further information may be obtained by calling ORA at 373-2088 or contacting the following agency representatives:

Ray E. Chapman, Program Management Director,
Defense Advanced Research Projects Agency (202) 694-1440
Colonel James E. Baker, Bolling Air Force Base,
Air Force Office of Scientific Research (202) 767-5017
James A. Smith, Technical Director,
Office of Naval Research (202) 696-4517
Hermann Robl, Technical Director,
Army Research Office (202) 549-0641

DOE FOSSIL ENERGY FACULTY ROTATOR

The Department of Energy offers opportunities to assist in fossil energy

coordination, planning, and assessment to full-time faculty members in engineering, metallurgy, ceramics science, physics and chemistry with experience in fossil energy research. Appointments are tenable at Germantown,

Maryland and vary from three to twelve months with salary negotiable. For details contact Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, TN 37830. Applications are due on the first of March, June, October, and December to begin June, September, January, and March respectively.

SPONSOR DEADLINES FOR
RECEIPT OF APPLICATIONS

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Institutional National Research Service Award	June 1

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NIAID, RFA: 82-2, Epidemiology and Natural History of Genital Herpes	February 15
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NICHD, Center for Population Research, Reproductive Sciences Program, Reproductive Disorders in Women	March 1
NIDR, RFA: NIH-NIDR-NCP-82-1, Characterization of Bacteriocins and Their Role in Plaque Formation and Dental Caries	February 15
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NINCDs, Clinical Otolaryngologic Research Centers	June 1
NHLBI, Identification of Cells in Atherosclerotic Plaques (Letter of intent by 2/15)	April 1
NHLBI, Image Enhancement Techniques for Visualization of Coronary Arteries and Coronary Bypass Grafts	April 15
NHLBI, Mechanisms of Calcification of Prosthetic Materials in the Cardiovascular System	April 15
NIAID, RFA: 82-4, Program Projects in Mechanisms of Immunologic Diseases (Letter of intent by 3/15)	June 15
NINCDs, Research Grants Related to the Etiology, Developmental Embryology, and Natural History of Neural Tube Defects:	
Program Project	June 1
Research Grants	March 1
 <u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	March 1
Research Grants, Renewals	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants, NRSA	June 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	June 1
NIAAA, Special Notification for Research on Nutrition and Behavior	March 1

NIMH, Research Areas in Nutrition	March 1
NIMH, Research in Neurosciences, Behavioral Sciences, Epidemiologic Research, Clinical (Assessment and Etiological) Research, Treatment Research, and Prevention Research:	
Research Scientist Development Proposals	June 1
Program Project Proposals	June 1
Clinical Research Center Proposals	June 1
Regular Research Proposals	March 1
NIAAA, Research Grants Program (Etiology, Early Identification and Diagnosis, Pathogenesis, Treatment, Prevention, and Basic Tools and Methodologies)	March 1
NIAAA, Alcohol Research Center Grants	June 1
NIDA, Research Grants Program (Epidemiology of Drug Abuse, Etiology of Drug Abuse, Drug Abuse Treatment, Prevention, Adverse Effects and Clinical Pharmacology of Abused Substances, Basic Research and Methodological Development)	March 1
NIAAA/NIDA/NIMH, Individual NRSA	June 1
NIAAA/NIDA/NIMH, Institutional NRSA Training	June 1
NIMH, RFA: Long-Term Somatic Treatment of Affective Disorders	March 1

Food and Drug Administration

Research Grants, New	March 1
Research Grants, Renewals	June 1

Department of Education

Indian Education-Fellowships for Indian Students	February 16
Grants for Special Educational Programs for Students Whose Families are Engaged in Migrant and Other Seasonal Farmwork	
High School Equivalency Program	February 19
College Assistance Migrant Program	February 19
Strengthening Research Library Resources Program	February 18
Fund for the Improvement of Postsecondary Education: Final Application (Agency request pursuant to 12/14/81 submission)	March 2
Field Initiated Research Continuation Proposals	April 1

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next few months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses may be requested. These dates are subject to change.

Program Deadlines for NSF Proposals: Proposals received after this cutoff date generally will be returned to the proposer.

- Experimental Computer Science. New faculty research grants. Contact the Program Director, New Faculty Research Grants in Experimental Computer Science, Computer Science Section (202) 357-7345 March 1
- U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between July 1, and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 March 1
- U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between July 1 and September 30, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 March 1
- U.S.-India Exchange of Scientists (Brochure NSF 78-66). For travel between November 15, 1982 and May 15, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 March 15
- U.S.-Australia Cooperative Science (Brochure NSF 81-49). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558 April 1
- U.S.-New Zealand Cooperative Science (Brochure NSF 81-50). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558 April 1
- Ethics and Values in Science and Technology. Formal Proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552 April 1
- U.S.-Japan Cooperative Science. Cooperative research proposals. Deadline does not apply to proposals in marine biology or food productivity. Contact Mr. Charles Owens, Division of International Programs (202) 357-9537 April 1
- U.S.-Latin America and Caribbean Cooperative Science (Brochure NSF 80-52). Proposals for scientific visits, bilateral workshops and supplemental support for cooperative research. Contact Ms. Christine French or Mr. Edward Finn, Division of International Programs (202) 357-9563 May 1
- U.S.-France Cooperative Science (Brochure NSF 80-48). Contact Dr. Stephen Mosier, Division of International Programs (202) 357-7554 May 1

U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Cooperative research and workshop/seminars. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	May 1
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Long-term research visits starting fall semester. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	May 15
U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	June 1
U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	June 1
Industry/University Cooperative Research Centers. Contact Mr. Robert Colton or Mr. Alex Schwarzkopf, Division of Industrial Science and Technological Innovation (202) 357-7527	June 1
U.S.-Republic of Korea Cooperative Science (Brochure NSF 81-30). This is a new deadline. Proposals received prior to July 1, 1982, will be handled individually on a case by case basis. Proposals for cooperative research in biochemical engineering, marine science, and other areas; short- and long-term visits; and seminars. Contact Dr. Gerald A. Edwards, Division of International Programs (202) 357-9537	July 1
Oceanographic Facilities and Support. Contact Mr. Ronald La Count, Division of Ocean Sciences (202) 357-7837	July 1
Materials Research Laboratories. Contact Dr. William Oosterhuis, Division of Materials Research (202) 357-9791	July 15
Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	August 1
U.S.-France Cooperative Science. Joint seminars. (Brochure NSF 80-48). Contact Dr. Stephen Mosier, Division of International Programs (202) 357-7554	August 1
Information Science and Technology. Special research initiation awards for new investigators. Contact Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569	August 4
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Long-term research visits starting in spring semester. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	August 15

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Biological Instrumentation. Contact Dr. Robert Newburgh, Division of Physiology, Cellular, and Molecular Biology (202) 357-7652	April 30
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	May 1
Earth Sciences: Geology, Geophysics, Geochemistry and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	May 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	May 3
Metabolic Biology. Contact Dr. Elijah Romanoff, Division of Physiology, Cellular, and Molecular Biology (202) 357-7987	June 1
United States Antarctic Research. Obtain brochure and proposal preparation kit from Division of Polar Programs before submitting proposal. Contact Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817	June 1
Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	June 15
Alternative Biological Resources. Contact Dr. H. T. Huang, Division of Physiology, Cellular, and Molecular Biology (202) 357-9782	July 1
Biochemistry. Contact Dr. Michael Cusanovich, Division of Physiology, Cellular, and Molecular Biology (202) 357-7945	July 1
Biophysics. Contact Dr. Arthur Kowalsky, Division of Physiology, Cellular, and Molecular Biology (202) 357-7777	July 1
Cell Biology. Contact Dr. Jack Pate, Division of Physiology, Cellular, and Molecular Biology (202) 357-7474	July 1
Cell Physiology. Contact Dr. Joseph Albright, Division of Physiology, Cellular, and Molecular Biology (202) 357-7377	July 1
Developmental Biology. Contact Dr. Mary Clutter, Division of Physiology, Cellular, and Molecular Biology (202) 357-7989	July 1
Genetic Biology. Contact Dr. DeLill Nasser, Division of Physiology, Cellular, and Molecular Biology (202) 357-9687	July 1
Regulatory Biology. Contact Dr. Bruce Umminger, Division of Physiology, Cellular, and Molecular Biology (202) 357-7975	July 1
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	August 1

*NSF 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. Brochures indicated in parentheses may be ordered.

Anthropology. Contact Dr. John Yellen (202) 357-7804 *

Linguistics. Contact Dr. Paul Chapin (202) 357-7696 *

Memory and Cognitive Processes. Contact Dr. Joseph Young
(202) 357-9898 *

Neurobiology. Contact Dr. Steven E. Kornguth
(202) 357-7471 *

Psychobiology. Contact Dr. Fred Stollnitz (202) 357-7949 *

Sensory Physiology and Perception. Contact Dr. Terrence
Dolan (202) 357-7428 *

Social and Developmental Psychology. Contact Dr. Richard
Louttit (202) 357-9485 *

Biological Research Resources. Contact Dr. James Tyler
(202) 357-7475 *

Ecology. Contact Dr. Gary Barrett (202) 357-9734 *

Ecosystem Studies. Contact Dr. W. Franklin Harris
(202) 357-9596 *

Population Biology and Physiological Ecology. Contact
Dr. Jerry Downhower (202) 357-9728 *

Systematic Biology. Contact Dr. Grady Webster
(202) 357-9588 *

Engineering Research Equipment (Brochure NSF 81-31).
Contact the appropriate Engineering Division:
Electrical, Computer, and Systems Engineering
(202) 357-9618; Chemical and Process Engineering
(202) 357-9606; Civil and Environmental Engineering
(202) 357-9545; and Mechanical Engineering and Applied
Mechanics (202) 357-9542. For Administrative inquiries
contact Ms. Janice Apruzese, Directorate for Engineering
(202) 357-9834 *

Engineering Research Initiation Grants. Contact
Ms. Janice Apruzese, Directorate for Engineering
(202) 357-9834 *

Industry/University Cooperative Research Projects
(Brochure NSF 80-31). Contact Division of Industrial
Science and Technological Innovation: Dr. Frederick Betz
(202) 357-7784 or Mr. Alex Schwarzkopf (202) 357-7527 *

Research in Information Science and Technology (Brochure
NSF 81-34). Contact the Division of Information Science
and Technology (202) 357-9572 *

Science in Developing Countries. Contact Dr. Gordon
Hiebert, Division of International Programs
(202) 357-9537, for current guidelines *

U.S.-East Asia Countries Cooperative Science (Brochure NSF 81-30). For projects with Indonesia, Malaysia, Thailand, and Singapore, contact Dr. Gordon Hiebert, Division of International Programs (202) 357-9537; for projects with Korea and the Philippines, contact Dr. Gerald A. Edwards, Division of International Programs (202) 357-9537 *

U.S.-Japan Cooperative Earthquake Research. Steel Building Research (Brochure NSF 81-56). Contact Dr. S. C. Liu, Division of Civil and Environmental Engineering (202) 357-9500 *

U.S.-New Zealand Cooperative Science. Letter-proposals for travel costs only for three-week visits for the purpose of developing cooperative research in physical oceanography, marine geology and geophysics, or marine biology. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558 *

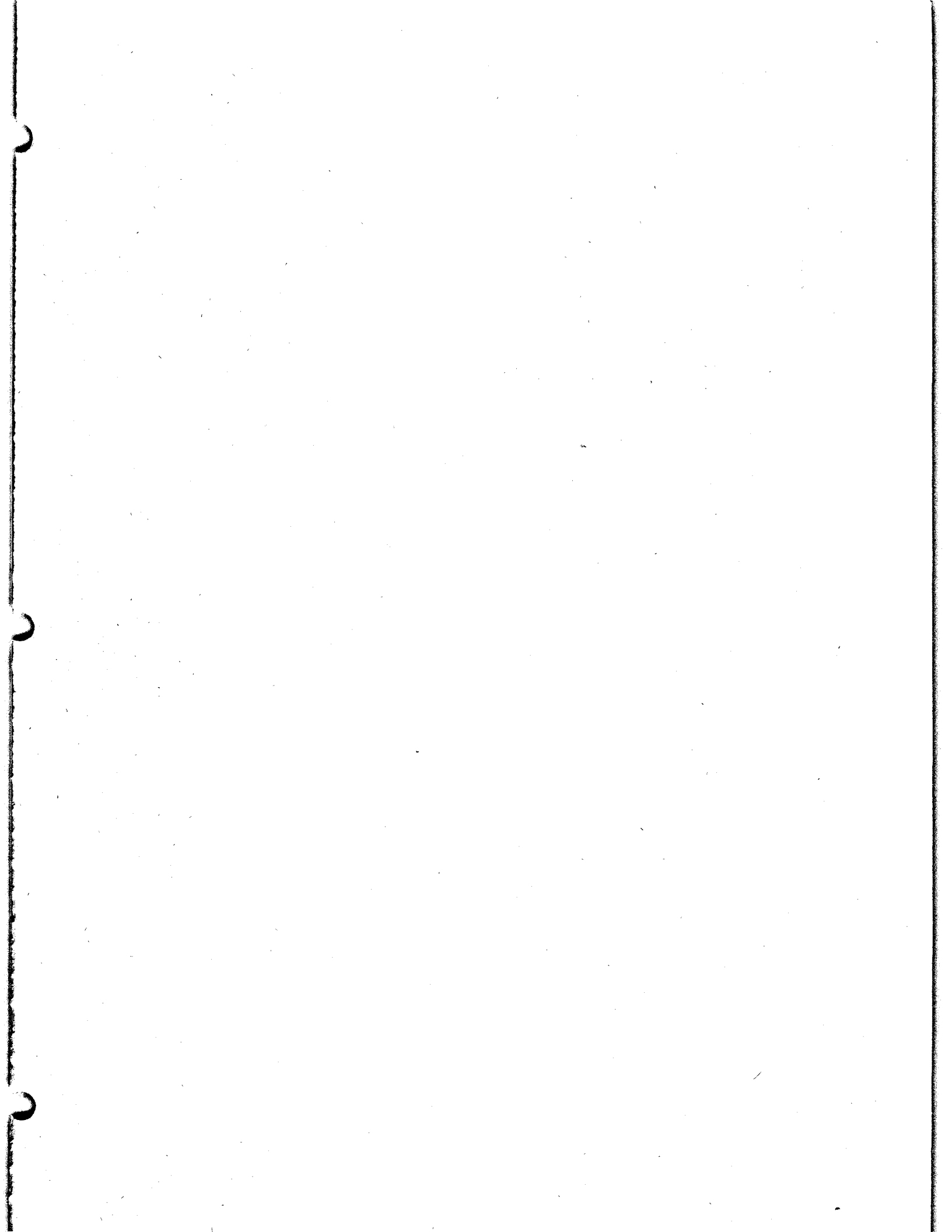
PRIVATE

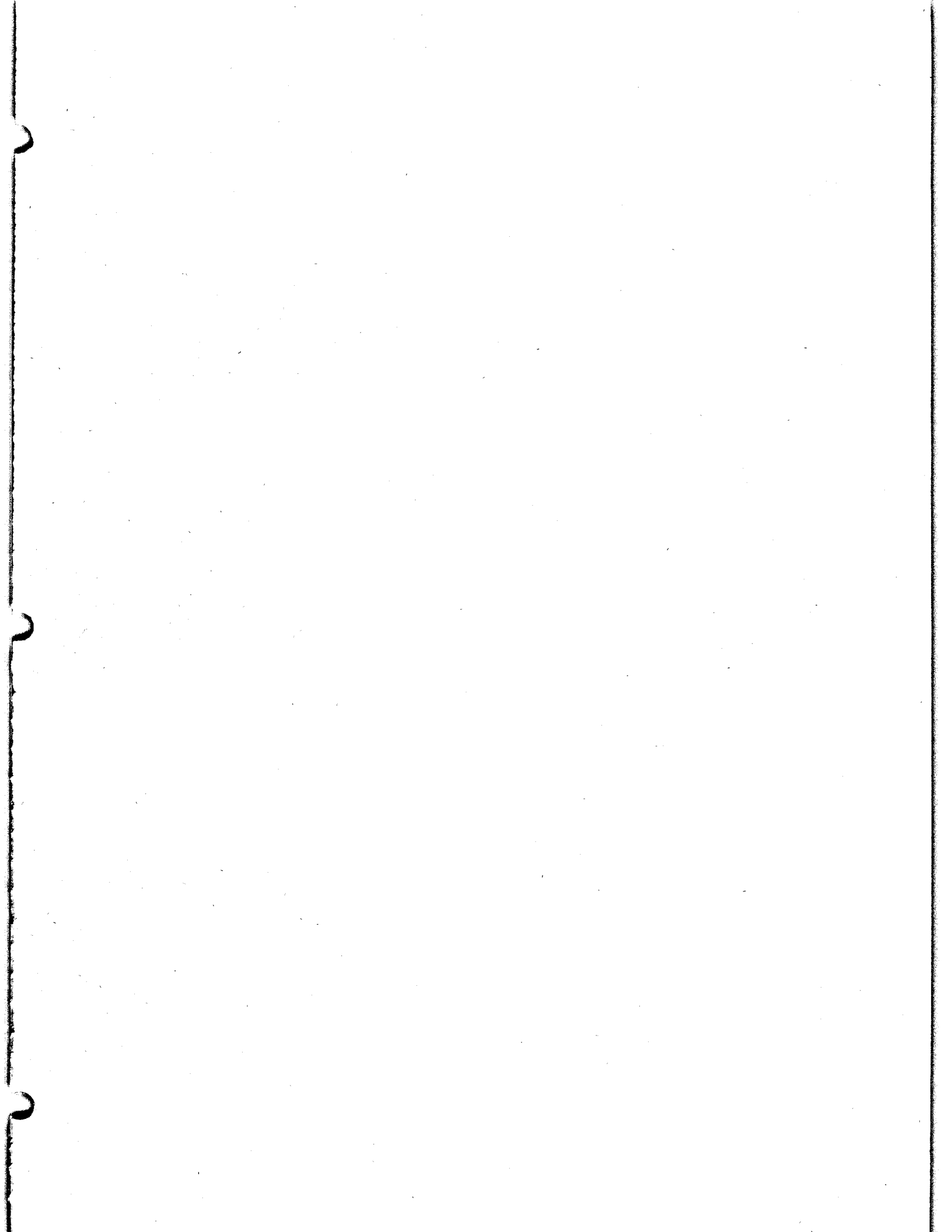
Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Association of Oral and Maxillofacial Surgeons Research Fellowships	April 1
American Cancer Society Scholars in Cancer Research	March 1
Postdoctoral Fellowships	March 1
Faculty Research Awards	March 1
Junior Faculty Research Awards	March 1
Research Professorships	March 1
Research and Clinical Investigator Grants	April 1
American Chemical Society - Petroleum Research Fund Grants-in-Aid	No Deadline
American Philosophical Society Grants-in-Aid	Various--Contact ORA
Arthritis Foundation - Minnesota Chapter	February 15
Cystic Fibrosis Foundation New Investigator Research Grants	April 1
Research Grants	April 1
Student Traineeships	April 1
Engineering Foundation Pre-proposals	No Deadline
Exxon Foundation	No Deadline
Gas Research Foundation Telephone contact or letter of inquiry prior to submission of formal proposal	No Deadline
IREX Developmental Fellowships	March 15
Special Grants Programs in Humanities and Social Sciences Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30

Juvenile Diabetes Foundation	
Research Grants	March 1
March of Dimes	
Basil O'Connor Starter Research Grants	Continuous
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1
Minnesota Humanities Commission	
Draft Application	April 23
Final Application	May 14
Minnesota Medical Foundation	March 31 & June 30
Muscular Dystrophy Association	
Grants-in-Aid (Preliminary letter requesting application prior to 5/31 for grant period beginning 1/1)	June 30
National Association of Animal Breeders	March 1
National Geographic Society	
Grants-in-Aid	No Deadline
Orthopaedic Research and Education Foundation	March 1
Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Sigma Xi	
Grants-in-Aid	May 1
Technicon Instruments Corporation	
Grants for Research in Biomedical and Industrial Instrumentation	
Pre-proposals	No Deadline
The Twentieth Century Fund	
Public Policy Research (economic, social and political issues)	No Deadline
University Genetics Company (UGEN)	No Deadline
Wenner-Gren Foundation for Anthropological Research, Inc.	
Grants-in-Aid	March 1

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.





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Administrative Services Center, 5th Floor
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St. Paul, Minnesota 55104

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FOGARTY INTERNATIONAL SENIOR RESEARCH FELLOWSHIPS FOR 1983-84

The Fogarty International Center for Advanced Study in the Health Sciences has announced a June 1 deadline for the senior postdoctoral research fellowship program for U.S. health scientists who wish to study abroad. The fellowships are intended to enhance the exchange of ideas and information in the various biomedical and behavioral disciplines. Applicants must be U.S. citizens or permanent U.S. residents, have a doctoral degree in a clinical, biomedical or behavioral science, with five or more years of postdoctoral experience, have professional experience in the health or biomedical sciences for at least two of the last four years, and be affiliated with a nonfederal U.S. public or private nonprofit research, clinical or educational institution. Further information may be obtained from ORA at 373-5925.

The Fogarty International Center for Advanced Study in the Health Sciences has announced a June 1 deadline for the senior postdoctoral research fellowship program for U.S. health scientists who wish to study abroad. The fellowships are intended to enhance the exchange of ideas and information in the various biomedical and behavioral disciplines. Applicants must be U.S. citizens or permanent U.S. residents, have a doctoral degree in a clinical, biomedical or behavioral science, with five or more years of postdoctoral experience, have professional experience in the health or biomedical sciences for at least two of the last four years, and be affiliated with a nonfederal U.S. public or private nonprofit research, clinical or educational institution. Further information may be obtained from ORA at 373-5925.

DECEMBER 15TH CONTINUING RESOLUTION INDICATES ONLY 3 OF 11 NIH INSTITUTES WILL HAVE MORE DOLLARS AVAILABLE FOR COMPETING GRANT AWARDS

Based on information available, it now appears that only three of the eleven institutes will have more money available for competing grant awards this year than was actually obligated a year ago. NHLBI, NIGMS and NIA are the institutes reflecting gains. An analysis of changes in competitive funding levels between 1981 and 1982 follows:

Based on information available, it now appears that only three of the eleven institutes will have more money available for competing grant awards this year than was actually obligated a year ago. NHLBI, NIGMS and NIA are the institutes reflecting gains. An analysis of changes in competitive funding levels between 1981 and 1982 follows:

NCI (Cancer)	-14.2%
NHLBI (Heart)	+ 5.9%
NIDR (Dental)	-23.8%
NIAMDD (Arthritis)	-15.1%
NINCDS (Neurology)	- 2.1%
NIAID (Allergy)	- 4.5%
NIGMS (General Medical Science)	+11.9%
NICHD (Child Health)	-12.5%
NEY (Eye)	- 2.8%
EHS (Environmental Health)	- 3.4%
NIA (Aging)	+52.6%

USDA COOPERATIVES RESEARCH AND DEVELOPMENT PROGRAM--AGRICULTURAL COOPERATIVES SERVICE

Funds to conduct research and to provide technical assistance to enhance the economic viability of farmers' cooperatives are available under this program. Research areas include: 1) development of a central information source within the ACS on legal and economic issues related to cooperatives,

Funds to conduct research and to provide technical assistance to enhance the economic viability of farmers' cooperatives are available under this program. Research areas include: 1) development of a central information source within the ACS on legal and economic issues related to cooperatives,

2) attitude research on why farmers use cooperatives, 3) acquisition and analysis of basic data on farmers' cooperatives to aid them in the transition from dependence on volunteers to a fully staffed permanent organization, and 4) work on financing needs for the 1980's, particularly in the area of equity revolvment. There are no deadline dates for unsolicited proposals but investigators are encouraged to contact the program office before preparing proposals: Dr. Jack Armstrong, Assistant Deputy Administrator, Agricultural Cooperatives Service, Room 3405, Auditor's Building, USDA, Washington, DC 20250 (202) 447-8872.

NASA PROGRAM OPPORTUNITIES

NASA's Planetary Geo-Chemistry and Geo-Physics Program supports the study

of satellites and rings of the outer planets, investigations into the fundamental relationships among planets and satellites in the solar system, and the concepts of their origin and evolution. A Space Science Notice, to be issued in early May 1982, will provide program details and will carry a return date of August 1, 1982, for projects to be done in FY 1983. Investigators may obtain a copy of the Space Science Notice by contacting Dr. William Quaide, Director, Planetary Geo-Physics and Geochemistry Program, Room F5065, Code SL-4, NASA, Washington, DC 20546 (202) 755-1602.

The objectives of NASA's Planetary Atmospheres Program are to improve the understanding of atmospheric structure and processes of comets, planets, and their satellites, through theoretical and experimental investigations and the support of experimental techniques. Investigators wishing to receive annual program announcements should contact NASA's Office of University Affairs. Questions regarding this program may be directed to Henry C. Brinton, Director, Planetary Atmospheres Program, Code SL-4, Room F5065, NASA, Washington, DC (202) 755-1660.

U.S. NUCLEAR REGULATORY COMMISSION PROGRAM OPPORTUNITY

The NRC's Office of Nuclear Regulatory Research announces proposed availability of FY 1982 grant funds to support pro-

fessional meetings, symposia, conferences, national and international commissions and publications for the expansion, exchange and transfer of knowledge, ideas and concepts directed toward the research necessary to provide a technology base to assess the safety of nuclear power. Proposals will be accepted through July 31, 1982. Questions and requests for application forms and applicable regulations may be directed to U.S. Nuclear Regulatory Commission, Attn: Grants Officer, Division of Contracts, Office of Administration, Washington, DC 20555, or contact Mr. Kellogg Morton (301) 492-4297.

GRAPHICS SERVICES AVAILABLE

The Biomedical Graphics Department offers the researcher visual com-

munications support in all areas of scientific art and photography on a fee for service basis. For information about services, call Martin Finch at 373-8824, or stop by Biomedical Graphics on the "B" level of the Phillips-Wangensteen Building.

UNIVERSITY COMPUTER CENTER
SPECIAL SERVICES

The Professional Services Division (PSD) of the University Computer Center aids researchers and administrators in using state-of-the-art computer technology to solve a wide variety of problems. PSD employs a staff of ten programmers with expertise in varying areas. For information on costs and the complete range of services, call PSD at 376-1764.

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, college, and the Office of Research Administration with a completed BA Form 23, "Application for External Research or Training Support."

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
NHLBI, New Investigator Award-Research Grant	July 1
NIH, New Investigator Awards	July 1
NIH, Research Career Development Awards	June 1
NIH, Individual Postdoctoral Fellowships	June 1
NIH, Institutional Training Programs	June 1
NCI, Cancer Clinical Treatment Branch	July 1
Fogarty International Center, Health Scientists Exchange Programs with Poland, Romania, USSR	June 1
NHLBI, Clinical Investigators Award (Annual Deadline)	August 1
NIAMDD/NIA, SERCA: Diabetes Mellitus in the Elderly (Annual Deadline)	October 1
NIH, NRSA for Short-Term Training of Students in Health Professional Schools (Annual Deadline)	May 1
NHLBI, Preventive Cardiology Academic Award (Annual Deadline)	April 1
NIH, Support of Meetings (Scientific, U.S.A. or International)	June 1
NHLBI/NIAMDD, SERCA: Diabetes Mellitus-Cardiovascular, Metabolic and Endocrinologic Aspects (Annual Deadline)	June 1
NEY/NHLBI/NIAID/NIAMDD/NICHD/NIDR/NINCDS/NIA: The Epidemiology of Diabetes (Annual Deadline)	June 1
NIAMDD, Clinical Investigator Award	June 1
NIGMS, NIGMS Shared Instrumentation Grants (Letter of intent by 11/15) (Annual Deadline)	February 15
NEY, National Eye Institute - Small Grants Program	June 1
NINCDS, Support of Research Centers and Program Projects	June 1

NIA, Academic Award	June 1
NICHD/NIAMDD, SERCA: Diabetes-Mellitus-Obstetrical, Perinatal, and Pediatric Aspects (Annual Deadline)	June 1
NIDR, New Investigator Research Award in Nutrition (Dental Caries-Periodontal Disease-Oral Soft Tissue Disease-Craniofacial Anomalies)	July 1
NICHD, New Investigator Research Award in Nutrition (Nutrition and Reproduction, Developmental Nutrition, Infant Nutrition, Nutritional Individuality, Cultural and Behavioral Aspects of Nutrition, etc.)	July 1
NCI, New Investigator Research Award in Nutrition (Nutritional Biochemistry, Nutritional Physiology, Nutritional Microbiology, Nutritional Immunology, Nutritional Epidemiology)	July 1
NIA, New Investigator Research Award in Nutrition	July 1
NIAMDD, New Investigator Research Award in Nutrition	July 1
NIAID, Clinical Investigator Award	June 1
NIA, Small Grants Program	June 1
NIDR, Small Grants Program	June 1
NIA, Teaching Nursing Home Plant (Letter of intent by 6/1)	October 1
NCI, RFA: Grants in Nutrition - NCI - Training	June 1
NCI, Experimental Research Related to Biological Effects of Low Doses of Ionizing Radiation	July 1
NIDR, Diet and Nutrition Research	July 1
NINCDS, Clinical Studies of Chemosensory Disorders: Individual National Research Service Award	June 1
Institutional National Research Service Award	June 1
NINCDS, Clinical Research Training Speech and Language Disorders - Institutional National Research Service Award	June 1
NINCDS, Tinnitus Research	July 1
NIA, Research on Urinary Incontinence in the Elderly	July 1
NIA, Health and Effective Functioning in the Middle and Later Years	July 1
NIA, Program Project Research Grant	June 1
NIDR, Dental Implant Research	July 1
NICHD, Effective Fertility Regulation Research Projects	July 1
New Investigator Research Award	July 1
Program Project Grant	June 1
NIAID, RFA: 82-1, International Collaboration in Infectious Diseases Research (Letter of intent by 4/1)	October 15
International Program Project Grants	October 15
International Exploratory/Developmental Research Grant	October 15
NICHD, Center for Population Research, Reproductive Sciences Program, Reproductive Disorders in Women	July 1
NICHD/NIAMDDK/NIAID, Research Grant Support in Nutrition-Environmental and Host Factors Affecting Nutritional Requirements	July 1
NINCDS, Clinical Otolaryngologic Research Centers	June 1

NHLBI, RFA: NIH-NHLBI-82G-E, Identification of Cells in Atherosclerotic Plaques (Letter of intent by 2/15)	April 1
NHLBI, RFA: NIH-NHLBI-82G-G, Image Enhancement Techniques for Visualization of Coronary Arteries and Coronary By Pass Grafts	April 15
NHLBI, RFA: NIH-NHLBI-DHVD-82G-H, Mechanisms of Calcification of Prosthetic Materials in the Cardiovascular System	April 15
NIAID, RFA: 82-4, Program Projects in Mechanisms of Immunologic Diseases (Letter of intent by 3/15)	June 15
NINCDS, Research Grants Related to the Etiology, Developmental Embryology, and Natural History of Neural Tube Defects:	
Program Project	June 1
Research Grants	July 1
Fogarty International Center, Senior International Fellowships for 1983-84	June 1
NINCDS/NICHD, Research Grants on Brain Dysfunction in Disorders of Learning	July 1
NHLBI, RFA: NIH-NHLBI-DLD-82G-B, Specialized Centers of Research in Adult Respiratory Failure (Letter of intent by 7/1)	September 15
NHLBI, RFA: NHLBI-DLD-82G-C, Structural and Functional Changes Associated with Respiratory Muscle Fatigue	April 15
NHLBI, RFA: NIH-NHLBI-82G-F, Analysis of the Role of Genetic and Developmental Factors in the Etiology and Progression of Essential Hypertension	April 1
<u>Alcohol, Drug Abuse, and Mental Health</u>	
Research Grants, New	July 1
Research Grants, Renewals	June 1
Individual Postdoctoral Fellowships	June 1
Institutional Training Grants, NRSA	June 1
Small Grants Program	Open
Research Scientist Development/Research Scientist Award	June 1
NIMH, Research in Neurosciences, Behavioral Sciences, Epidemiologic Research, Clinical (Assessment and Etiological) Research, Treatment Research, and Prevention Research:	
Research Scientist Development Proposals	June 1
Program Project Proposals	June 1
Clinical Research Center Proposals	June 1
NIAAA, Research Grants Program (Etiology, Early Identification and Diagnosis, Pathogenesis, Treatment, Prevention, and Basic Tools and Methodologies)	July 1
NIAAA, Alcohol Research Center Grants	June 1
NIDA, Research Grants Program (Epidemiology of Drug Abuse, Etiology of Drug Abuse, Drug Abuse Treatment, Prevention, Adverse Effects and Clinical Pharmacology of Abused Substances, Basic Research and Methodological Development)	July 1

NIAAA/NIDA/NIMH, Individual NRSA	June 1
NIAAA/NIDA/NIMH, Institutional NRSA Training	June 1

Food and Drug Administration

Research Grants, New	July 1
Research Grants, Renewals	June 1

Department of Education

Grants for Special Educational Programs for Students Whose Families are Engaged in Migrant and Other Seasonal Farmwork	
High School Equivalency Program (extended deadline)	March 22
College Assistance Migrant Program (extended deadline)	March 22
Field Initiated Research (Continuation Proposals)	April 1
Educational Opportunity Centers Program	March 12
National Diffusion Network Program-New Developer Demonstrator Grants	June 2
Handicapped Children's Model Program (Continuations Only)	March 8
Special Services for Disadvantaged Students Program (Continuations Only)	March 8
Upward Bound Program (Continuations Only)	March 8
Regional Education Programs for Handicapped Persons (Continuations Only)	March 31

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

National Science Foundation

Program Deadlines and Target Dates for Proposals: The following listing gives the dates on which proposals for grants are due at NSF in the next few months. Further information may be obtained by contacting the NSF staff members listed for each entry. Brochures indicated in parentheses may be requested. These dates are subject to change.

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U.S.-Australia Cooperative Science (Brochure NSF 81-49). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1
U.S.-New Zealand Cooperative Science (Brochure NSF 81-50). For all projects, including cooperative research (short- or long-term visits) and joint seminars/workshops, with requested effective dates falling between January 1 and June 30, 1983. Contact Mr. Alan Milsap, Division of International Programs (202) 357-9558	April 1

Ethics and Values in Science and Technology. Formal Proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552 April 1

U.S.-Japan Cooperative Science. Cooperative research proposals. Deadline does not apply to proposals in marine biology or food productivity. Contact Mr. Charles Owens, Division of International Programs (202) 357-9537 April 1

U.S.-Latin America and Caribbean Cooperative Science (Brochure NSF 80-52). Proposals for scientific visits, bilateral workshops and supplemental support for cooperative research. Contact Ms. Christine French or Mr. Edward Finn, Division of International Programs (202) 357-9563 May 1

U.S.-France Cooperative Science (Brochure NSF 80-48). Contact Dr. Stephen Mosier, Division of International Programs (202) 357-7554 May 1

U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Cooperative research and workshop/seminars. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554 May 1

U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Long-term research visits starting fall semester. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554 May 15

U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 June 1

U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between October 1 and December 31, 1982. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550 June 1

Industry/University Cooperative Research Centers. Contact Mr. Robert Colton or Mr. Alex Schwarzkopf, Division of Industrial Science and Technological Innovation (202) 357-7527 June 1

U.S.-Republic of Korea Cooperative Science (Brochure NSF 81-30). This is a new deadline. Proposals received prior to July 1, 1982, will be handled individually on a case by case basis. Proposals for cooperative research in biochemical engineering, marine science, and other areas; short- and long-term visits; and seminars. Contact Dr. Gerald A. Edwards, Division of International Programs (202) 357-9537 July 1

Oceanographic Facilities and Support. Contact Mr. Ronald La Count, Division of Ocean Sciences (202) 357-7837 July 1

Materials Research Laboratories. Contact Dr. William Oosterhuis, Division of Materials Research (202) 357-9791 July 15

Ethics and Values in Science and Technology. Formal proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	August 1
U.S.-France Cooperative Science. Joint seminars. (Brochure NSF 80-48). Contact Dr. Stephen Mosier, Division of International Programs (202) 357-7554	August 1
Information Science and Technology. Special research initiation awards for new investigators. Contact Dr. Edward Weiss, Division of Information Science and Technology (202) 357-9569	August 4
U.S.-Scandinavia and the Netherlands Cooperative Science (Finland and Sweden). Long-term research visits starting in spring semester. Contact Mr. Henryk Uznanski, Division of International Programs (202) 357-7554	August 15
U.S.-Pakistan Cooperative Science (Brochure NSF 80-49). For travel between January 1 and March 31, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	September 1
U.S.-India Cooperative Science (Brochure NSF 80-53). For travel between January 1 and March 31, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	September 1
U.S.-India Exchange of Scientists (Brochure NSF 78-66). For travel between May 15 and November 15, 1983. Contact Ms. Hildegard Kramer, Division of International Programs (202) 357-9550	September 15

Target Dates for NSF Proposals: Proposals received after this cutoff date will be reviewed although they may miss a particular panel meeting.

Biological Instrumentation. Contact Dr. Robert Newburgh, Division of Physiology, Cellular, and Molecular Biology (202) 357-7652	April 30
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	May 1
Earth Sciences: Geology, Geophysics, Geochemistry and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	May 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	May 3
Metabolic Biology. Contact Dr. Elijah Romanoff, Division of Physiology, Cellular, and Molecular Biology (202) 357-7987	June 1
United States Antarctic Research. Obtain brochure and proposal preparation kit from Division of Polar Programs before submitting proposal. Contact Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817	June 1

Ocean Sciences Research. Contact Dr. Robert Wall, Division of Ocean Sciences (202) 357-7912	June 15
Alternative Biological Resources. Contact Dr. H. T. Huang, Division of Physiology, Cellular, and Molecular Biology (202) 357-9782	July 1
Biochemistry. Contact Dr. Michael Cusanovich, Division of Physiology, Cellular, and Molecular Biology (202) 357-7945	July 1
Biophysics. Contact Dr. Arthur Kowalsky, Division of Physiology, Cellular, and Molecular Biology (202) 357-7777	July 1
Cell Biology. Contact Dr. Jack Pate, Division of Physiology, Cellular, and Molecular Biology (202) 357-7474	July 1
Cell Physiology. Contact Dr. Joseph Albright, Division of Physiology, Cellular, and Molecular Biology (202) 357-7377	July 1
Developmental Biology. Contact Dr. Mary Clutter, Division of Physiology, Cellular, and Molecular Biology (202) 357-7989	July 1
Genetic Biology. Contact Dr. DeLill Nasser, Division of Physiology, Cellular, and Molecular Biology (202) 357-9687	July 1
Regulatory Biology. Contact Dr. Bruce Umminger, Division of Physiology, Cellular, and Molecular Biology (202) 357-7975	July 1
Climate Dynamics. Contact Dr. Alan Hecht, Division of Atmospheric Sciences (202) 357-9892	August 1
Ethics and Values in Science and Technology. Preliminary proposals (Brochure SE 80-62). Contact Dr. Rachelle Hollander, Intergovernmental and Public Service Science and Technology Programs (202) 357-7552	September 1
Earth Sciences: Geology, Geophysics, Geochemistry, and Petrology. Contact Dr. Robin Brett, Division of Earth Sciences (202) 357-7958	September 1
Arctic Research Program (Brochure available from Polar Programs). Contact Mr. Guy Guthridge, Division of Polar Programs (202) 357-7817	September 1
Economics. Contact Dr. Daniel Newlon, Dr. James Blackman, or Dr. Lynn Pollnow, Division of Social and Economic Science (202) 357-9675	September 1
Geography and Regional Science. Contact Dr. James Blackman, Division of Social and Economic Science (202) 357-9674	September 1
Political Science. Contact Dr. Frank Scioli, Jr., Division of Social and Economic Science (202) 357-7534	September 1
Law and Social Sciences. Contact Dr. Felice Levine, Division of Social and Economic Science (202) 357-9567	September 1
Regulation and Policy Analysis. Contact Dr. Laurence Rosenberg or Dr. Trudi Miller, Division of Social and Economic Science (202) 357-7417	September 1

Sociology. Contact Dr. James Zuiches, Division of Social and Economic Science (202) 357-7802	September 1
Measurement Methods and Data Resources. Contact Dr. Murray Aborn, Division of Social and Economic Science (202) 357-7913	September 1
History and Philosophy of Science. Contact Dr. Ronald Overmann, Division of Social and Economic Science (202) 357-7617	September 1
Biological Instrumentation. Contact Dr. Robert Newburgh, Division of Physiology, Cellular, and Molecular Biology (202) 357-7652	September 30

PRIVATE

Questions regarding the following deadlines should be referred to ORA at 373-1920.

American Association of Oral and Maxillofacial Surgeons Research Fellowships	April 1
American Cancer Society Research and Clinical Investigator Grants	April 1
American Chemical Society - Petroleum Research Fund Grants-in-Aid	No Deadline
American Lung Association Nursing Fellowships in Respiratory Disease	April 1
American Philosophical Society Grants-in-Aid	Various--Contact ORA
Cystic Fibrosis Foundation New Investigator Research Grants	April 1
Research Grants	April 1
Deafness Research Foundation	July 15
Engineering Foundation Pre-proposals	No Deadline
Epilepsy Foundation Mary Litty Memorial Fellowships for Students of Vocational Rehabilitation	April 1
Exxon Foundation	No Deadline
Gas Research Foundation Telephone contact or letter of inquiry prior to submission of formal proposal	No Deadline
IREX Developmental Fellowships	March 15
Special Grants Programs in Humanities and Social Sciences Grants for Collaborative Activities and New Exchanges	April 30
Travel Grants for Senior Scholars	April 30
March of Dimes Basil O'Connor Starter Research Grants	Continuous
Medical Services	June 1
Reproductive Hazards in the Workplace	June 1

Minnesota Humanities Commission	
Draft Application	April 23
Final Application	May 14
Minnesota Medical Foundation	March 31 & June 30
Muscular Dystrophy Association	
Grants-in-Aid (Preliminary letter requesting application prior to 5/31 for grant period beginning 1/1)	June 30
National Geographic Society	
Grants-in-Aid	No Deadline
National Multiple Sclerosis Society	
Research Grants	July 15
Robert Wood Johnson Foundation	
General Medical and Dental Service Grants	No Deadline
Runyon-Winchell Cancer Fund	
Postdoctoral Fellowships in Cancer Research	March 15
Human Cancer-Directed Fellowships	March 15
Sigma Xi	
Grants-in-Aid	May 1
Technicon Instruments Corporation	
Grants for Research in Biomedical and Industrial Instrumentation	
Pre-proposals	No Deadline
The Twentieth Century Fund	
Public Policy Research (economic, social and political issues)	No Deadline
University Genetics Company (UGEN)	No Deadline

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

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