

notre dame report

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number 11

the university

international year of disabled persons

The United Nations has proclaimed 1981 the International Year of Disabled Persons. To mark this occasion, the "Provost's Lecture Series" has been established by Provost Timothy O'Meara. A number of outstanding scholars who are in the vanguard of their professional fields and who are physically disabled will be invited to lecture at Notre Dame during the fall of 1981. Prof. Stephen Rogers, Chairman of the University Committee for the Physically Handicapped, is soliciting nominations for speakers from department chairmen, and will coordinate arrangements for the lecture series.

The Committee is also meeting with representatives of the colleges and universities in the Michiana area to discuss common concerns regarding higher education for the handicapped. Committee membership includes representatives from administrative departments, the colleges, and any interested students, faculty, and staff.

Fr. Hesburgh has published an article in *Amicus* (January/February, 1980) calling attention to the significance of the International Year of Disabled Persons. The article is reprinted with permission of Ronald Soskin, Executive Director of the National Center for Law and the Handicapped, in the "Documentation" section of this issue.

institute of public policy research

In a major reorganization, the Notre Dame Law School is bringing three of its centers under a new umbrella structure to be known as the Institute of Public Policy Research. Prof. Timothy O'Meara, provost, said Gov. John J. Gilligan, Thomas and Alberta White professor of law at the University, would direct the new institute and report to him through Dean David T. Link of the Law School.

The Centers being brought under the new institute are the Center for Civil and Human Rights, the Center for Constitutional Studies and the Thomas and Alberta White Center for Law, Government and Human Rights.

The new institute will have its own board of directors, on which will serve the directors of the centers. Each center will have primary responsibility for the design and management of its own program and be authorized to seek outside funding from public and private sources. Gov. Gilligan will work with the Office of Advanced Studies and with the Department of Development to obtain "core funding" needed for the entire program of the new institute.

endowment for jewish studies

Leading theologians and scholars from all over the world will participate in a newly endowed program in Jewish Studies at the University of Notre Dame. Rev. Theodore M. Hesburgh, C.S.C., announced that the Arie and Ida Crown Memorial and the Newton and Josephine Minow Charitable Fund have established the Crown-Minow Endowment for Jewish Studies at the University of Notre Dame.

"This outstanding act of generosity will enable the University to strengthen significantly its scholarship in Jewish studies in two ways," said Father Hesburgh, discussing the gift. "First, it will advance the level and interest in Jewish studies and appreciation for Jewish history, thought and experience at the University of Notre Dame. Second, funds from the endowment will underwrite various symposia, lectures and conferences in Jewish studies at Notre Dame which will bring together outstanding theologians and scholars for the benefit of faculty, graduate and undergraduate students. The endowment will also supplement the University library collection and will be concentrated on modern Jewish thought and experience, including Holocaust studies."

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cila celebrates twentieth anniversary

Community for the International Lay Apostolate (CILA) volunteers will celebrate the 20th anniversary of their founding with an illustrated talk by Rev. Henri J.M. Nouwen at 8 p.m. Feb. 20 in Washington Hall. The presentation of "Vincent the Comforter: the Ministry of Vincent Van Gogh" will be followed by a reception for the Yale University professor in LaFortune Ballroom.

Nouwen taught at Notre Dame in the late 1960's and has lectured in all areas of the world. Rev. Donald McNeill, C.S.C., CILA advisor and director of Notre Dame's Center for Experiential Learning, said Nouwen's writings "have been extremely helpful to CILA students over the past decade in deepening their understanding of Christian compassion and prayer." Both Father McNeill and Notre Dame's CILA organization have been awarded the campus Reinhold Niebuhr Prize for contributions to their fellowmen.

Through summer projects in poverty areas, local service programs, retreats and social justice workshops, CILA has challenged students to respond creatively and compassionately to a world of suffering and injustice. Notre Dame's president, Rev. Theodore M. Hesburgh, C.S.C., noted "CILA has not only been the conscience of the Notre Dame community but also its international programs have been a significant factor in breaking down the parochialism of moral concern on campus."

notice

In a realignment of University responsibilities, the Office of Dean of Administration will henceforth report solely to the Office of Provost.

search committee formed

A search committee has been appointed by the provost for the new position of director of liturgical music at the University of Notre Dame's Sacred Heart Church.

The members are: Rev. Daniel Jenky, C.S.C., rector of Sacred Heart Church, chairman; Rev. Peter Rocca, C.S.C., assistant rector, Sacred Heart Church; Rev. George Wiskirchen, C.S.C., assistant director of Notre Dame bands; Dean Isabel Charles of the College of Arts and Letters; Ethan Haimo, assistant professor of music; and Sister Patricia Dowd, O.S.F., rector of Breen-Phillips Hall.

Officers of the Chapel Choir will have an opportunity to meet with candidates for the position and convey their opinions to the committee, O'Meara said. The director functions under the rector of Sacred Heart Church and holds a concurrent appointment in the Department of Music with part-time teaching responsibilities. The director's principal activities include training and leading performances of the Chapel Choir, the University's Summer Choir and of to-be-formed, year-around Sacred Heart Church choirs.

data automation evaluation

The preparation of a plan for the data automation needs of the University has been commissioned by the provost. Focusing on administrative systems, the plan will be done by Richard A. Spencer, who during the duration of the study will report to the provost and to the Executive Committee for Computing Policy, composed of Rev. Ferdinand L. Brown, C.S.C., associate provost, Robert E. Gordon, vice president for advanced studies, and Thomas J. Mason, vice president for business affairs.

An assessment will be made in six areas: data processing expenditures, the status of technology, what applications are being supported, how the University is organized to provide automated services, the effectiveness of planning and control for automation, and the level of user awareness.

The assessment will provide the starting point for a projection of needs over the next five to ten years as well as strategies to meet them.

clark essay contest

The Committee on the History of the University of Notre Dame is presently accepting entries in the essay contest honoring the late Francis P. Clark, Memorial Library microfilm specialist and collector of Catholic Americana.

A \$50 prize is awarded to the graduate or undergraduate student submitting the best essay dealing with the history of Notre Dame or Saint Mary's College. Essays may be of any length and must be submitted to Dr. Philip Gleason, professor of history and committee chairman, by April 27.

Before his death in October, 1979, Clark aided many researchers in the assembly of material needed for historical studies.

faculty notes

appointments

Angie R. Chamblee, an advisor in the Freshman Year of Studies, has been promoted to the new position of assistant dean of Freshman Studies. Chamblee will continue to counsel freshmen; look after special interests of minority students; develop programs to deal with the needs of handicapped, injured or sick students; and provide liaison with the residence hall staffs and the Office of Student Affairs.

honors

Thomas P. Bergin, director of the Center for Continuing Education, has been appointed to the national advisory committee of Young Audiences Incorporated. Founded 27 years ago, Young Audiences, Inc. is a national arts-in-education organization consisting of a network of 39 chapters located across the country in both metropolitan and regional areas. Its program annually contracts the services of more than 1,500 artists who reach 2.5 million school children through performances and residency workshops. A past chairman of the Indiana Arts Commission, Bergin is a member of the National Council on the Arts and is former chairman of the National Endowment for the Arts "Artists-in-Schools" program.

Moirra Geoffrion, assistant professor of art, was selected as one of the "Outstanding Young Women of America" for 1980. Candidates are nominated by civic leaders based on significant contributions made toward enriching the quality of American life.

Edward W. Krause, director of athletics, was presented the "Man of the Year Award" by the Knights of Lithuania at their annual dinner meeting at the Martinique Restaurant, Chicago, Ill., on Feb. 8.

Ruey-wen Liu, professor of electrical engineering, has been appointed as a member of the Institute of Electrical and Electronic Engineers (IEEE) Fellow Evaluation Committee by the IEEE Circuits and Systems Society.

Norlin Rueschhoff, chairman and associate professor of accountancy, has been appointed to the Committee on Priorities of the American Accounting Association for 1981.

Brother Kieran Ryan, C.S.C., assistant vice-president for business affairs, will be honored May 1 when he will receive the James E. Armstrong Award of the Alumni Association. The annual presentation honors an employee of the University "who has performed outstanding service and demonstrated qualities

in his personal life that reflect the high principles of the University." The Armstrong Award was initiated in 1978 to honor the former executive director of the Alumni Association who served 42 years as secretary before his retirement in 1970.

Leonard M. Savoie, professor of accountancy, was elected as Director of LaSalle Federal Savings and Loan Association of Buchanan, Mich., for a three-year term, at the Annual Meeting of Members held Jan. 20. He was also appointed to serve on the Audit Committee of the Board of Directors for a period of three years.

Thomas J. Schlereth, associate professor of American studies, has been named to the editorial board of The Winterthur Portfolio, A Quarterly Journal of American Material Culture and also to the Education Policy Committee of the American Association for State and Local History.

Donald E. Sporleder, professor of architecture, has been reappointed to the professional examination committee of the National Council of Architectural Registration Boards and participated in examination preparation sessions in Atlanta, Ga., Jan. 15-18.

Eugene C. Ulrich, associate professor and director of graduate studies in theology, has been appointed successor to the late Msgr. Patrick W. Skehan of Catholic University for the publication of the editio princeps of the Qumran (Dead Sea) Scrolls. Msgr. Skehan was one of the two Americans on the international team selected in 1953 to edit the scrolls from the main "library" of Cave 4 at Qumran. Approximately 50 manuscripts comprised his allotment, including Pentateuchal scrolls in the "paleohebrew" script, scrolls of Isaiah and Psalms in the "Aramaic" script, and Septuagintal (Greek) scrolls. Ulrich will complete the work of edition for a volume of Discoveries in the Judean Desert for Oxford Press.

Robert P. Vecchio, assistant professor of management, has been appointed State Affairs Representative for the American Psychological Association.

activities

Donald P. Costello, professor of English and chairman and professor of American studies, lectured on "The Paradox of Adaptation" in a keynote lecture of a series entitled "Windows and Mirrors: Film Adaptations" at Goshen College, Ind., Jan. 27.

Fabio B. Dasilva, professor of sociology and anthropology, participated in a seminar on "L'analyse du discours en sciences sociales" held by the Centre National de la Recherche Scientifique, Paris, France, Jan. 19-24.

John G. Duman, associate professor of biology, presented two seminars at Michigan State University, East Lansing: "The role of extracellular proteins in the subzero temperature tolerance of poikilotherms," to the department of zoology on Jan. 26, and "The role of hemolymph proteins in insect cold tolerance," to the department of entomology on Jan. 27.

Moirá Geoffrion, assistant professor of art, lectured on her wood and paper sculptures at Brooklyn College Brooklyn, N.Y., on Oct. 24. Her art works were displayed at Southwestern Michigan College Fine Arts Center during the month of February in a group show coordinated by the Snite Museum of Art.

Frederick W. Goetz, assistant professor of biology, presented two seminars at the annual meeting of the American Society of Zoologists held on Dec. 27-30, in Seattle, Wash.: "Prostaglandin levels during steroid-induced *in vitro* final maturation of brook trout (*Salvelinus fontinalis*) oocytes," and "The role of prostaglandins in fish reproduction," (with N. Stacey).

Alexander J. Hahn, associate professor of mathematics, lectured "On maximal orders" at the Western Number Theory Conference at the University of Arizona in Tucson, Ariz. on Dec. 22. He gave invited talks entitled "Category equivalences and isomorphisms of linear groups" at the Conference on Groups, Rings, and Related Topics, University of California, Santa Barbara, on Jan. 5, and at the Special Session on Quadratic Forms of the American Mathematical Society Meeting in San Francisco, on Jan. 10.

Edward Malloy, C.S.C., assistant professor of theology, presented a paper titled "A Second Look At Middle Axioms," at the annual convention of the Society of Christian Ethics, at the University of Iowa, Iowa City, Ia., Jan. 16.

Thomas J. Mueller, associate professor of aerospace and mechanical engineering, presented a lecture entitled "Flow Visualization" for the Engineering Research Lecture Series sponsored by the Joint Engineering Council on Jan. 29, in the Fitzpatrick Hall of Engineering, University of Notre Dame.

Ruth Neta, a postdoctoral research associate in microbiology, presented a paper on "Separation of interferon γ and cytotoxicity in inbred mice" at the First Annual International Congress for Interferon Research, Nov. 9-12, Washington, D.C.

Anne-Marie O'Healy, assistant professor of modern and classical languages, presented a paper entitled "Pavese: Poet or Poseur" at the Midwest Modern Language Convention in Minneapolis, Minn. on Nov. 7. O'Healy subsequently chaired a special session on "A Reevaluation of Cesare Pavese" at the annual convention of the Modern Language Association in Houston, Tex., on Dec. 29.

Ambrose M. Richardson, professor of architecture, gave an invited lecture and a slide presentation on the "Brickwork in Italy" to the Houston Chapter of the American Institute of Architects on Jan. 21, at Rice University's Faculty Club.

Erhard M. Winkler, professor of earth sciences, was an invited lecturer at two Washington, D.C. symposia examining preservation technology of historic monuments. "Problems in the Deterioration of Stone" was the topic of his address to both groups, meeting at the National Academy of Sciences, on Feb. 2-5.

documen- tation

president's statement on the international year of disabled persons

(The following article was published in Amicus (January/February 1980), the official publication for the National Center for Law and The Handicapped, University of Notre Dame.)

As we approach 1981, the year designated by the United Nations General Assembly as the International Year of Disabled Persons, we can feel proud of our efforts during the 1970s to further the rights of disabled people in the United States.

We have made significant progress in the area of education, particularly. We now have an education law that assures "a free, appropriate, public education" to all handicapped children. In addition, Section 504 of the Rehabilitation Act of 1973 assures the rights of access by the handicapped to any program which receives federal funding -- and that includes institutions of higher learning. The Section 504 definition of a handicapped individual is more inclusive, even, than the definition used in the U.N. Declaration on the Rights of Disabled Persons, thereby affording more protection.

Not only are the educational avenues expanding, but also opportunities in all areas of our society. Transportation is being made accessible; recreation areas are being adapted; and through affirmative action and non-discrimination requirements, employment opportunities are growing.

We have created laws which not only guard against obvious discrimination of the disabled but also promote an active effort to assure equality of opportunity. We have now finally recognized that the disabled are entitled to the same basic human rights that we previously secured for other groups in the United States -- racial groups, religious groups and women. Our laws regarding the disabled, in fact, are being closely examined by other countries considering similar legislation.

Americans characteristically tend to demand immediate change when a situation becomes intolerable. We all hoped for an immediate end to racial segregation after *Brown v. Board of Education* in 1954, but, unfortunately, such changes have been slow. Similarly, we expected to achieve integration of the disabled with the passage of the Education for All Handicapped Children Act. Again, we have been disappointed by the slowness and the tangential problems associated with societal changes. But we must persevere and avoid despair in promoting civil rights while recognizing the obstacles which inevitably are formed to block our progress.

We are in a delicate stage of our movement to provide for civil rights of the disabled. We must not only guard against the efforts of some who would wish the dilution or retraction of the laws that individuals and organizations have worked so hard to create, but we must also work to ensure that the laws are accepted and enforced at a local level. The simple statement of the law is meaningless unless the disabled are truly part of the mainstream of American life. This will demand a program of education and persuasion to convince local communities that a truly integrated society benefits everyone.

It's easy, though, for us to become insulated from the rest of the world and obsessed with our national problems. Fortunately we have 1981 to remind us of the world community from which we can learn. There are still many countries that haven't begun to accept the disabled as true citizens, with all the rights that other citizens enjoy, whereas others have gone far beyond ours in assuring that the basic human needs of health, education, employment, transportation, housing, and so on, are provided for all.

For years we have voiced our concern for international human rights. Many times we have criticized countries for their racial policies, their oppressive child labor practices, for their denial of due process to the courts, for torturing political prisoners, and incarcerating dissidents in mental institutions. But somehow the disabled have been forgotten in our concern for human rights. We have forgotten that mental institutions rarely provided adequate care for anyone and frequently cause more damage; that the mentally retarded can also develop and grow if set free from the restraints of institutions; and the physically handicapped, also, if provided the means to function in communities, can lead perfectly normal lives.

It is therefore appropriate to call attention to the special problems of the disabled and emphasize in the 1981 International Year of Disabled Persons, that they are indeed part of the community entitled to the full range of human rights that we have proclaimed for others.

provost's statement to the faculty on pace

The following is a letter from the provost to members of the Regular Teaching and Research Faculty and the Library Faculty concerning a study and report on Priorities and Commitments for Excellence (PACE).

Dear Colleagues,

In a letter which appeared in this year's Notre Dame Report, Number 5, Father Hesburgh commissioned me to do a study and report back to him on our Priorities and Commitments for Excellence for the next ten years, specifically on:

1. Our progress during the 1970's
 2. Our present strengths and weaknesses
 3. Our total resources for the future
 4. Priorities for the use of these resources in the pursuit of excellence in the 1980's.
-

In doing this study I will be advised by two committees. The first will be the Provost's Advisory Committee which is already in place and consists of: Father Ferdinand Brown, C.S.C., Sister John Miriam Jones, S.C., M. Katherine Tillman, Robert Gordon, Isabel Charles, Yusaku Furuhashi, Joseph Hogan, Frank Castellino, David Link, and Emil T. Hofman. The second will be a Faculty Advisory Committee consisting of:

Joan Aldous, Kenan Professor of Sociology
Xavier Creary, Associate Professor of Chemistry
Cornelius Delaney, Professor of Philosophy
Fernand Dutile, Professor of Law
James Frick, Vice President for Public Relations, Alumni Affairs and Development
Father Richard McBrien, Crowley-O'Brien-Walter Professor of Theology
Roger Schmitz, Keating-Crawford Professor of Chemical Engineering
Robert Schuler, Professor of Chemistry
Lee Tavis, Smith Professor of Business Administration
Father David Tyson, C.S.C., Assistant Professor of Management
Ronald Weber, Professor of American Studies
Kwang-Tzu Yang, Professor of Aerospace and Mechanical Engineering

Both committees will play central and active roles in the preparation of the report. The final report to Father Hesburgh, however, will be my own.

As a first step I would like to obtain ideas and suggestions on what the priorities of the University should be from all parts of the Notre Dame community, in particular from members of the faculty. You will soon be notified of times when individuals on the two advisory committees will be available for discussion. You may, if you prefer, send me a letter instead. If you do, I would like to receive it before March 1, 1981.

Timothy O'Meara
Provost

volunteer blood donor program

The month of March has been set aside as the period during which members of the Notre Dame and Saint Mary's community donate blood as part of the Saint Joseph County Volunteer Blood Donor Program. Principally due to medical advances, the use of blood in the community is on the rise. Last year, some 14,000 units were drawn from volunteers, and some 200 units went to members of the Notre Dame community in medical need. Locally, the donor program operates under the "community responsibility" plan for meeting blood needs. This is simply a guarantee that those of us who are healthy will give enough blood so that those in medical need can receive it without any prior condition. To this end, the Saint Joseph County program asks all local blood groups to schedule their donations within a given time period and to schedule them through the group's coordinator.

Please fill out the following form and send to Margaret Stauder, either intracampus mail c/o Department of Electrical Engineering, 275A Fitzpatrick Hall of Engineering, or regular mail to Box 195 Notre Dame, IN 46556. Mrs. Stauder will call you to set an appointment.

VOLUNTEER BLOOD DONOR FORM

I wish to give blood during the month of March as a member of the Notre Dame-Saint Mary's community.

Name

Home Phone

Work Phone

Blood Type (if known)

advanced studies

notes for principal investigators

The National Institute on Aging

The National Institute on Aging (NIA) supports biomedical, behavioral and social research and research training on the aging process as well as on the diseases and other special problems and needs of the aged.

The NIA has established programs in biomedical research and clinical medicine, behavioral and social sciences research and epidemiology, demography and biometry. These three programs comprise its extramural research activities.

National Institute of Allergy and Infectious Diseases

The National Institute of Allergy and Infectious Diseases (NIAID) conducts and supports research contributing to a better understanding of the causes of allergic, immunologic and infectious diseases and to the development of better means of preventing, diagnosing and treating these illnesses.

To fulfill its mission, the institute's extramural programs are organized into two major scientific activities: immunology, allergic and immunologic diseases; and microbiology and infectious diseases.

National Institute of Arthritis, Metabolism and Digestive Diseases

The National Institute of Arthritis, Metabolism and Digestive Diseases (NIAMDD) conducts and supports research focused on a number of diseases that are characterized by chronicity and long-term disabling effects rather than mortality. Areas of interest include:

- various arthritic diseases and related rheumatic and connective tissue disorders;
- diabetes and other inherited errors of metabolism, including cystic fibrosis;
- diseases of the gastrointestinal tract, including diseases of the liver and gallbladder;
- endocrine disorders;
- diseases of the blood and bone; and
- urological and kidney diseases.

The institute also conducts and supports related research in orthopedic surgery, dermatology, nutrition in health and nutrition-related disorders.

NIAMDD responsibilities encompass investigations of the etiology, pathogenesis, diagnosis and treatment of specific diseases within these areas at whatever period in life they may occur.

NIAMDD's extramural programs support fundamental and clinical research conducted at universities, medical schools and other research centers throughout the U.S. and abroad.

information circulars

United States-China Relations

No. FY81-460

Program:

In view of a new and healthy climate rapidly emerging in U.S. - China relations, faculty at the University can contribute toward improving the relations between the two countries. China has been in an educational limbo for decades, but new directions are developing rapidly. Numerous academies and conservatories have been founded or reestablished with state support. Large numbers of publications have resumed or started up. Within the past two to three years alone, some 3,000 new literary journals have appeared. At the same time, there also seems to remain a substantial and vibrant undercurrent of unofficial activity within several artistic fields.

In 1979, former Vice President Walter Mondale traveled to China and signed a multifaceted cultural accord. The "Implementing Accord for Cultural Exchange in 1980 and 1981" covers the following areas:

Culture and Art
Education
Broadcasting
Books and Other Literature
National Parks and Historical Monuments
Cultural Study Teams
Sports
The Social Sciences
Translation and Publication

The U.S. based Committee on Scholarly Communication with the People's Republic of China (CSCPRC) continues to foster exchanges of an academic nature in the arts. Projects traverse a broad spectrum, from music, drama, dance and the visual arts to art education and television.

CSCPRC Programs

Three programs of scholarly exchange in the natural

sciences, engineering, social sciences and humanities between the U.S. and China (1981-1982) include the following:

National Program for Advanced Study and Research in China

This program offers opportunities for graduate students and postdoctoral scholars to carry out long-term study or research in affiliation with Chinese universities and research institutes. Fellowships and grants are available for individuals in the sciences and engineering and in the social sciences and humanities. Application is open to citizens of the U.S. regardless of national origin, sex or religious affiliation. Grants, the number of which depends on available funding, include transportation to and from China, living allowance and stipend while in China, and a limited research and educational materials allowance. The program does not provide dependent travel or support.

Distinguished Scholar Exchange Program:

This short-term exchange program of one to three months for distinguished American and Chinese senior scholars in the social sciences and humanities and sciences and engineering will begin early in April, 1981. The program combines opportunities for lecturing, engaging in exploratory research, and meeting professional colleagues. Half of the participants - both American and Chinese - will be nominated by the CSCPRC; half will be nominated by sponsoring Chinese institutions. Participants will be at or above the level of associate professor or its equivalent.

Conferences

Contingent on the availability of funds, the CSCPRC will continue to sponsor a limited number of conferences, workshops, seminars and symposia involving Chinese and American research scholars. These conferences can be held in the U.S. or in China and can be in any field of science, social science, or the humanities.

The lecture program was founded in 1978. Thirty eminent Americans were invited to lecture in China at a broad range of institutes of the Chinese Academy of Sciences, comprehensive universities and technically oriented colleges. The list of names consisted solely of scientists and engineers, as was to be expected given the primary concern with science and engineering. But the program was broadened at the suggestion of CSCPRC to include approximately five scholars in the social sciences and humanities. Also, CSCPRC suggested it would like to make this a two-way program by inviting approximately ten renowned Chinese scholars to lecture in the U.S. The suggestion was approved.

For more information on these three programs, contact the following:

CSCPRC
National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Other opportunities at this time include:

ACLS Mellon Fellowship for Chinese Studies

The American Council of Learned Societies has announced a series of "Aids to Individual Scholars." Of particular interest to scholars in Chinese studies are the Mellon Fellowships for Chinese Studies. In this program, four types of fellowships and grants are offered and are generally designed to serve the needs of younger China scholars and to enhance opportunities for collaboration with scholars in the People's Republic of China. These include:

Research and Study Fellowships
Language Training Fellowships
Summer Language Grants for Senior Scholars
Travel Grants

For more details, Contact:

Dr. J.H. Parker
ACLS
800 Third Avenue
New York, New York 10022

In addition to the Mellon Program, the ACLS sponsors several other programs of interest to scholars in a number of disciplines in the social sciences and humanities. These include:

ACLS Fellowships
Study Fellowships
Research Fellowships for Recent Recipients of the Ph.D.
Grants-in-Aid
Travel Grants for Humanists
Area Programs
Grants for Research on Chinese Civilization

While the application deadline for these programs for 1981-1982 is past, it would be well to keep these programs in mind for 1982-1983 and beyond. There is every indication that these programs will be repeated and new ones established as relations between the U.S. and China continue to improve.

There are many more opportunities available to students and scholars from the People's Republic of China who wish to pursue study or research in the U.S., as well as for students and scholars in the U.S. who are interested in China. Some sponsoring agencies include the following: American Cancer Society, Eleanor Roosevelt International Cancer Fellowships, Arthritis Foundation, Helen Hay Whitney Foundation Postdoctoral Research Fellowships, Institute for Advanced Study, Jane Coffin Childs Memorial Fund for Medical Research - Postdoctoral and many others in nearly all disciplines.

For further information about Chinese institutions, educational standards and available opportunities, contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

**Social Science Research Council
Fellowships for Doctoral Research in
Employment and Training**

No. FY81-461

Program's Purpose:

To develop greater capability in the social and be-

behavioral sciences related to employment and training and to increase the availability of experts as program administrators, specialists and researchers.

To invite the attention of doctoral candidates to the nation's employment and training programs.

To guide social and behavioral science research toward employment and training policy and program issues and problems.

Eligibility:

Doctoral candidates who have completed all requirements for the degree except the dissertation or who will have met these requirements before the award becomes effective.

Applications must be made through an accredited university or college in the name of a specific candidate with the approval of an advisor. The advisor must submit a letter of recommendation with the application. A candidate who has partially completed the dissertation is also eligible to apply.

Stipend:

Awards are made to the school for the recipient's use for a period not to exceed one year. Funds are available for individual stipends (maximum \$4,500), dependency allowance, clerical assistance, materials and supplies, computer time, travel and communication costs. The maximum award to an individual is \$10,000.

The academic institution may also receive both indirect costs and an allowance for tuition and fees not to exceed \$2,500.

Deadlines:

Closing dates for receiving applications are Dec. 1, March 1, June 1 and Sept. 1, 1981.

For Further Information and Guidelines, Contact:

Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7432.

**Department of Commerce
Grants for Marine Pollution Research**

No. FY81-462

Program:

Grants assistance is available for: (1) research related to effects of pollution and human-induced changes of marine ecosystems (including the ecosystems of the Great Lakes) and (2) research and development and monitoring projects needed to meet priorities set forth by section 6 of Public Law 95-273. Some general areas of research include the following: processes by which contaminants such as synthetic organics, petroleum products and inorganic or organic wastes interact with marine systems and affect living resources; the role of resuspended particulates in marine ecosystems; coastal land-use practices; municipal sewage disposal; development of risk analysis methods and ecosystem processes and living marine resources.

Deadline:

March 31, 1981.

For Further Information, Contact:

Department of Commerce
National Oceanic and Atmospheric Administration
Office of Marine Pollution Assessment (RD/MP2)
Long-Range Effects Research Program
325 Broadway
Boulder, CO 80303
R.C. Farentinos
(303) 497-6486

(From 1981 ARIS)

**Department of Education
Strengthening Research Library Resources
Program (84.091)**

No. FY81-463

Program:

Approximately \$5,000,000 will be available in FY81 to support 36 new projects. The purpose of these grants is to promote research and education of higher quality throughout the U.S. by providing financial aid to institutions with major research libraries to help maintain and strengthen their collections and to make their holdings available to other libraries whose users have need for research materials.

Deadline:

March 16, 1981.

For Further Information, Contact:

Department of Education
400 Maryland Avenue SW
Washington, DC 20202
Library Education and Postsecondary
Resources Branch
Division of Library Programs
Office of Libraries and Learning Technologies
Regional Office Building 3, Room 3622
Frank A. Stevens
(202) 245-9530

(From 1981 ARIS)

**National Science Foundation
Unsolicited Proposals in Atomic, Molecular and
Plasma Physics**

No. FY81-464

Program:

Grants averaging about \$65,000 per year. The purpose of this program is to support basic experimental research in atomic, plasma and molecular physics.

Deadline:

March 1, 1981.

For Further Information, Contact:

National Science Foundation
1800 G Street NW
Washington, DC 20550
Division of Physics
Rolf Sinclair
Room 341
(202) 357-7997

(From 1981 ARIS)

Vanderbilt Institute for Public Policy Studies Postdoctoral Fellowships

No. FY81-465

Program:

Five postdoctoral fellowships with stipends ranging from \$13,380 to \$18,780 and additional funds for tuition, books and travel are available to persons who have completed doctoral work in anthropology, economics, education, law, management, pediatrics, political science, psychiatry, psychology and sociology. The objective of the program is to prepare people for positions in policy analysis and program planning in the field of mental health. Upon completion of this one year program, to begin July 1, 1981, fellows should enter at junior or senior-level positions in large mental health organizations, state and federal legislative staffs or major national bureaus concerned with mental health and human development.

Deadline:

March 31, 1981.

For Further Information, Contact:

Vanderbilt Institute for Public Policy
Studies
Center for the Study of Families and
Children
1208 18th Avenue South
Nashville, TN 37212

(From 1981 ARIS)

The Institute of Ecology Cooperative Ecological Intern Program

No. FY81-466

Purpose:

The office of Biological Services of the U.S. Fish and Wildlife Service and the Institute of Ecology have joined in creating a cooperative ecological intern program. Its objective is to recruit nationally from the university community young scientists and environmental specialists for one-year work/learning opportunities within the various programs of the Fish and Wildlife Service.

Eligibility:

Applicants must hold a graduate-level degree in ecology or a closely related biological or environmental science.

Stipend:

\$11,000 to \$16,000 per year.

Tenure:

One year.

Deadline:

March 9, 1981.

Applications:

Applications are available from the Office of Ad-

vanced Studies, Division of Research and Sponsored Programs.

National Science Foundation Applied Physical, Mathematical and Biological Sciences, and Engineering Program

No. FY81-467

Program:

The objective of this program is to increase the rate of technological innovation and application in order to improve the breadth and quality of long-range solutions to significant social, economic and technical problems that confront the U.S. The division especially encourages investigators to submit proposals for applied research in the biological sciences. All proposals will be considered except those for development or clinical research. Areas of interest in biological and ecological applications include, but are not limited to: utilization of plant cell and tissue culture techniques for production of secondary metabolites; protoplast fusion to speed tests of new plant materials; microbial ecology of disturbed soils; the modeling and management of ecosystems as a way of increasing effective use of land, water and renewable resources; aquatic animal and plant culture using nutrient and water recycling in natural and artificial systems; and the effects of harmful substances on the physiology, behavior and biochemistry of organisms, including movements through tropic levels and food chain dynamics.

Deadline:

March 13, 1981.

For Further Information, Contact:

National Science Foundation
1800 G Street NW
Washington, DC 20550
(202) 357-7534

(From 1981 ARIS)

National Science Foundation Unsolicited Research Proposals in Science and Technology to Aid the Handicapped

No. FY81-468

Program:

Grants (averaging \$60,000) to academic institutions and academically related non-profit research organizations for projects that accelerate the application of science and technology to the problems of the handicapped. Research includes both technology to aid the handicapped and analyses of the institutional barriers that affect the successful integration of handicapped persons into the mainstream of society.

Deadline:

March 25, 1981.

For Further Information, Contact:

Division of Problem-Focused Research
Applications

1800 G Street NW
Washington, DC 20550
Room 1132
(202) 357-7734

(From 1981 ARIS)

National Science Foundation U.S.-Australia Cooperative Science Program

No. FY81-469

Program:

This program provides increased opportunities for scientists and engineers from the U.S. and Australia to engage in joint research projects of mutual interest, to exchange scientific and technical information, to work together in unique environments and to utilize special facilities. Academic institutions, governmental labs, private and public scientific organizations and unaffiliated individual scientists are eligible. The individual scientists must be U.S. citizens or permanent residents and must hold a doctoral degree or have equivalent professional experience. The following categories will be accepting applications: --Long-term visits: to enable U.S. scientists to visit Australian scientists at a research center or laboratory that provides unique opportunities for the U.S. investigator. The duration of the visit may be from six months to one year; the time is usually spent at one institution. This deadline date applies to visits to start between Jan. 1, and June 1, 1982.

--Joint seminars/workshops: proposals are considered only in cases where the meeting is a separate and discrete entity that has been initiated and developed from the outset with bilateral input from both a U.S. and an Australian organizer. This deadline date applies to seminars between Jan. 1 and June 1, 1982.

Deadline:

April 1, 1981.

For Further Information, Contact:

Directorate for Scientific, Technological
and International Affairs
Division of International Programs
Latin American and Pacific Section
1800 G Street
Washington, DC 20550
(202) 357-9558

(From 1981 ARIS)

National Science Foundation U.S.-New Zealand Cooperative Science Program

No. FY81-470

Program:

Grants to academic institutions, governmental laboratories, private and public scientific organizations and unaffiliated individual scientists to involve scientists and engineers from both countries to engage in joint research projects of mutual interest, to exchange scientific and technical information and to utilize special facilities. U.S. participants must be U.S. citizens or permanent residents and must have a doctoral degree or equi-

valent professional experience. Applications are being accepted under this program for the following: --Long-term visits: to enable U.S. scientists to visit New Zealand to conduct research in collaboration with New Zealand scientists at a research center or laboratory that provides unique opportunities for the U.S. investigator. The duration of the visit may be from six to twelve months; the time is usually spent at one institution. This deadline date applies to visits to begin between Jan. 1 and June 30, 1982. --Bilateral seminars/workshops: to be held between Jan. 1 and Dec. 31, 1982.

Deadline:

April 1, 1981.

For Further Information, Contact:

National Science Foundation
1800 G Street NW
Room 1212
Washington, DC 20550
(202) 357-9558

(From 1981 ARIS)

National Science Foundation U.S.-Japan Cooperative Research Program

No. FY81-471

Program:

Grants to U.S. and Japanese scientists for joint research, involving the sharing of unusual facilities and research environments, joining of complementary skills in experimentation and theoretical analysis, combined use of resources in solving problems of common concern and similar cooperative investigations. U.S. scientists must have a doctoral degree or equivalent professional experience. Proposals may be in any area of the natural sciences; special emphasis areas include food productivity, environmental sciences and marine biology.

Deadline:

March 31, 1981.

For Further Information, Contact:

National Science Foundation
U.S.-Japan Cooperative
1800 G Street NW
Washington, DC 20550
(202) 357-9537

(From 1981 ARIS)

National Science Foundation International Travel Grant Program

No. FY81-472

Program:

Travel funds to enable U.S. scientists to participate in international scientific meetings held abroad for the purpose of (1) obtaining and exchanging science information and (2) professional development. Two types of awards are made: - Group awards: To professional societies and nonprofit organizations, including universities that wish to coordinate U.S.

participation in international meetings.

- Individual awards: To individuals who have (1) been invited to lecture at a plenary session of an international scientific meeting; (2) have been invited to organize a special session at an international scientific meeting or (3) been invited to participate in a NATO advanced study institute and recommended for travel support by the institute director. To qualify for support to a NATO advanced study institute, prospective participants must be U.S. citizens and not more than seven years beyond the doctorate as of the date of the meeting.

Deadline:

April 1, 1981.

For Further Information, Contact:

Europe Section
Mildred M. Bosilevac
Assistant Program Director
1800 G Street NW
Washington, DC 20550
Room 1214
(202) 357-9505

(From 1981 ARIS)

**National Science Foundation
U.S.-India Exchange of Scientists**

No. FY81-473

Program:

Grants to senior-level scientists with at least five years research experience or a doctorate of at least five years standing, with fields of specialization in the mathematical, physical, medical, biological, engineering or social sciences, or the history and philosophy of science or such interdisciplinary areas as geochemistry, meteorology or oceanography. Funds are to allow participating scientists to make short visits (two weeks to a few months) to India in order to work with Indian colleagues on projects of mutual interest. This program offers opportunities to work in new environments with unique research materials and to make long-range plans for collaboration with Indian research centers. Grants range between \$1,000 and \$5,000; the average grant is \$3,200. This funding cycle is for visits to begin after Nov. 15, 1981.

Deadline:

March 16, 1981.

For Further Information, Contact:

Asia and Africa Section
Hildegard Kramer
1800 G Street NW
Washington, DC 20550
Hildegard Kramer
Room 1208
(202) 357-9550

(From 1981 ARIS)

**American Cancer Society
Scholars in Cancer Research**

No. FY81-474

Program:

Personnel grants (varying, commensurate with candidate's experience and salary, plus one round-trip travel allowance and \$1,000 institutional support) to enable established investigators to undertake special training or acquire experience in a scientific field different from but related to their usual fields of research. Candidates must be nominated by institutions of higher learning in the U.S. or its territories and must have a faculty-type position to which to return upon completion of the one-year grant period. Candidates must be (or must have declared their intentions of becoming) U.S. citizens.

Deadline:

March 1, 1981.

For Further Information, Contact:

American Cancer Society
Dr. Stefano Vivona
Vice President for Research
777 Third Avenue
New York, NY 10017
(212) 371-2900

(From 1981 ARIS)

**American Cancer Society
Postdoctoral Fellowships**

No. FY81-475

Program:

One to two year fellowships (\$13,000 per year) for young investigators to obtain training sufficient to begin careers as independent investigators in cancer research. Candidates must be (or declare their intention to become) U.S. citizens and must hold doctoral degrees in appropriate disciplines.

Deadline:

March 1, 1981.

For Further Information, Contact:

American Cancer Society
Dr. Stefano Vivona
Vice President for Research
777 Third Avenue
New York, NY 10017
(212) 371-2900

(From 1981 ARIS)

**American Cancer Society
Faculty Research Awards**

No. FY81-476

Program:

Grants (including a stipend that varies with the salary scale of the institution and the experience of the candidate, plus an institutional allowance of up to \$1,000 per year, for up to five years) for scientists qualified to pursue careers in cancer teaching and research and for whom the institution expects to provide a continuing faculty appointment. Citizenship requirements as above.

Deadline:
March 1, 1981.

For Further Information, Contact:
American Cancer Society
Dr. Stefano Vivona
Vice President for Research
777 Third Avenue
New York, NY 10017
(212) 371-2900

(From 1981 ARIS)

American Cancer Society Research and Clinical Investigation Grants

No. FY81-477

Program:
Grants (normally for two years, renewable for one year) to fit a variety of needs in scientific investigations related to cancer. Awards go to institutions in the U.S., its territories and Puerto Rico, to cover the costs of such items as salaries for professional and technical assistance, special equipment, animals, consumable supplies and other miscellaneous items required to conduct research.

Deadline:
April 1, 1981.

For Further Information, Contact:

American Cancer Society
Dr. Stefano Vivona
Vice President for Research
777 Third Avenue
New York, NY 10017
(212) 371-2900

(From 1981 ARIS)

American Cancer Society Research Professorships

No. FY81-478

Program:
Personnel grant to assist in creating faculty or equivalent positions on a full-time basis for investigators who have made outstanding contributions pertinent to cancer research. Institutions of higher learning in the U.S. and its territories are eligible to nominate investigators who must be or have declared intention to become U.S. citizens, have at least five years of experience beyond the doctoral degree and have research interest in the basic biological sciences and/or clinical research. Grants will provide stipends not to exceed two-thirds of the basic salary and are for an indeterminate period subject to review every five years with an activation date of January 1.

Deadline:
March 1, 1981.

For Further Information, Contact:

American Cancer Society
Dr. Stefano Vivona

Vice President for Research
777 York Avenue
New York, NY 10017
(212) 371-2900

(From 1981 ARIS)

American Cancer Society Junior Faculty Research Awards

No. FY81-479

Program:
Grants for institutions within the U.S. and its territories to provide salaries for promising scientists who have recently completed their postdoctoral training and for whom the institution will provide a staff or faculty appointment to teach and conduct independent research. Support includes salary, travel to the institution and an institutional allowance of maximum \$1,000. The duration of the award is for three years, nonrenewable.

Deadline:
March 1, 1981.

For Further Information, Contact:

American Cancer Society
Dr. Stefano Vivona
Vice President for Research
777 Third Avenue
New York, NY 10017
(212) 371-2900

(From 1981 ARIS)

Easter Seal Research Foundation Research Grant Programs

No. FY81-480

Program:
Grants (up to \$15,000 for 1-3 years) preferably for projects which matching funds are or will be available. Funds may not be used for paying principal or coprincipal investigator, travel to conferences, publication costs, hospital-care payment, routine treatment of patients under study, or purchase of major pieces of equipment. The foundation supports research on: (1) measures for enhancing the effectiveness of rehabilitation; (2) improving impaired functions or mitigating the effects of dysfunction; (3) preventing physical disability; (4) causes of crippling. There are five types of awards:
- Grants-in-aid: to underwrite partial or full costs of special projects.
- Grants for cooperative university-rehabilitation center research programs: for cooperative projects between a university and a treatment center.
- Conference grants: to support small conferences for identifying research problems.
- Matching grants: to Easter Seal affiliates requiring matching funds to acquire research grants from public or private agencies.
- Planning grants: for initial exploration or small pilot study.

Deadline:

March 1, 1981.

For Further Information, Contact:

Easter Seal Research Foundation
William Gellman
Ph.D. Director
2023 West Ogden Avenue
Chicago, IL 60612
(312) 243-8400

(From 1981 ARIS)

**Georgetown University
Fellowship Award in Chemistry**

No. FY81-481

Program:

Fellowships are awarded to enable graduate students to earn the Ph.D. degree in chemistry, including biochemistry, at Georgetown University. The stipend is \$6,500 per year plus free tuition.

Deadline:

March 1, 1981.

For Further Information, Contact:

Georgetown University
Department of Chemistry
Washington, D.C. 20057
(202) 625-4065

(From 1981 ARIS)

**German Academic Exchange Service
Short-term Research**

No. FY81-482

Program:

Graduate students pursuing dissertation research and recent Ph.D.s (age 18-32) with a good knowledge of German are eligible for dissertation or post-doctoral research for two to six months in the Federal Republic of Germany. The stipend is a monthly maintenance allowance, no international travel.

Deadline:

March 31, 1981.

For Further Information, Contact:

German Academic Exchange Service
New York Office
535 Fifth Avenue, Suite 1107
New York, NY 10017
(212) 599-0464

(From 1981 ARIS)

**Juvenile Diabetes Foundation
Research Grants**

No. FY81-483

Program:

Grants are normally awarded for one year, with a pos-

sible renewal for a second year. The grants normally cover salaries for technical assistance, special equipment, animals, supplies, etc. The foundation requests that application forms be obtained directly from them.

Deadline:

March 1, 1981.

For Further Information, Contact:

Juvenile Diabetes Foundation
Ms. Shereen Dearr
23 East 26th Street
New York, NY 10010
(212) 889-7575

(From 1981 ARIS)

**Medical Library Association
Minority Scholarship**

No. FY81-484

Program:

A scholarship in the amount of \$2,000 is available to a minority student entering the field of medical librarianship. Applicants may include Blacks, native and Hispanic Americans. Applicants who will enter an ALA accredited graduate library school or who have at least one-half of their academic requirements to complete during the year following the granting of the awards, are eligible.

Deadline:

March 1, 1981.

For Further Information, Contact:

Medical Library Association
Suite 3208
919 North Michigan Avenue
Chicago, IL 60611
(312) 266-2456

(From 1981 ARIS)

**National ALS Foundation, Inc.
Research Grants and Fellowships**

No. FY81-485

Program:

Individual funding for research grants and fellowships, one to three years duration, to credible neurologists working within a hospital or research institution.

Deadline:

March 1, 1981.

For Further Information, Contact:

National ALS Foundation, Inc.
Rochelle L. Moss
Executive Director
185 Madison Avenue
New York, NY 10016

(212) 679-4016

(From 1981 ARIS)

**National Association of Colleges and University
Business Officers
Cost Reduction Incentive Awards Program**

No. FY81-486

Program:

NACUBO in conjunction with the U.S. Steel Foundation awards unrestricted grants of cash (\$10,000, \$7,500, \$5,000, five \$2,500 and an unspecified number of \$1,000 and \$100 awards) to colleges and universities that have developed and implemented cost saving innovations and techniques during the 1980 calendar year. The criteria for judging are as follows: (1) the potential for applicability and continued use of the technique at other institutions; (2) the originality and uniqueness of the idea as it is applied to higher education; (3) the amount of cost reduction without loss of program effectiveness; and (4) the amount of involvement by faculty, staff and students. Contact NACUBO for application form.

Deadline:

March 15, 1981.

For Further Information, Contact:

National Association of College and
University Business Officers
Debi Bird or M.J. Williams, Jr.
One Dupont Circle, Suite 510
Washington, DC 20036
(202) 861-2515

(From 1981 ARIS)

**The Psychiatric Institute of Washington, DC
Summer Mental Health Internship Program**

No. FY81-487

Program:

\$1,050 stipend to subsidize a ten-week internship, forty hours a week, which will provide psychiatric experience for students entering the mental health professions. The intern will be exposed to a wide variety of experiences and roles within the field while participating actively in treatment programs at the host institution, a private psychiatric hospital. The applicant must be entering the senior year of undergraduate school or beginning graduate level studies in a program related to mental health.

Deadline:

March 1, 1981.

For Further Information, Contact:

The Psychiatric Institute of Washington, DC
4460 MacArthur Blvd., N.W.
Washington, DC 20007
(202) 467-4605
Mark Schneider, Director

(From 1981 ARIS)

**Reiss-Davis Child Study Center
Postdoctoral Training Program in Clinical Child
Psychology**

No. FY81-488

Program:

A Ph.D. in clinical psychology is required for training in intensive psychoanalytically-oriented psychotherapy with children and in diagnosis. Applicants must submit a completed form which requests education, prior experience, memberships, teaching appointments, publications and names of three references. The Reiss-Davis Center is able to offer a stipend of \$3,600 per year.

Deadline:

March 1, 1981.

For Further Information, Contact:

Reiss-Davis Child Study Center
Director of Psychological Services
Vista Del Mar Child Care Service
3200 Motor Avenue
Los Angeles, CA 90034
(213) 204-1666

(From 1981 ARIS)

**Damon Runyon-Walter Winchell Cancer Fund
Postdoctoral Fellowship Grants**

No. FY81-489

Program:

Grants to institutions to support a postdoctoral fellow to work on a specific project of a principal investigator. Normally reserved for those whose doctoral degrees were conferred not more than one year prior to submission of the application. The institutions may be universities, hospitals or research institutions and may be in any country and the scientists must have previous accomplishments in cancer research. The fund covers the fellow's salary (up to \$15,500 in the first year; \$16,500 in the second) and travel to scientific meetings during tenure.

Deadline:

March 15, 1981.

For Further Information, Contact:

Damon Runyon-Walter Winchell Cancer Fund
Research Department
33 West 56th Street
New York, NY 10019
(212) 582-5400

(From 1981 ARIS)

**Damon Runyon-Walter Winchell Cancer Fund
Human Cancer-Directed Fellowship Grant**

No. FY81-490

Program:

This fellowship is intended to augment the training

of a clinician-scientist who has demonstrated the potential to conduct original clinical or basic human cancer-related research. Candidates with the M.D. should be nearing completion of their clinical training programs or not be beyond two years before applying; Ph.D.s will not be excluded from consideration if the proposed research deals with human cancer. The stipend is \$15,500 for the first year, with mutual option for renewal for an additional one or two years and a stipend increase to \$16,500. An additional sum of \$1,500 may be requested for research supplies.

Deadline:
March 15, 1981.

For Further Information, Contact:

Damon Runyon-Walter Winchell Cancer Fund
Research Department
33 West 56th Street
New York, NY 10019
(212) 582-5400

(From 1981 ARIS)

**Lady Tata Memorial Trust
Leukemia Research Grants**

No. FY81-491

Program:

Awards to biomedical researchers of all nationalities for a maximum of three years to develop knowledge about leukemia in areas of leukemic viruses, epidemiology, immunology and pathogenesis, in particular. Research may be carried out at any suitable institution.

Deadline:
March 1, 1981.

For Further Information, Contact:

Lady Tata Memorial Trust
MRC Leukemia Unit
Royal Postgraduate Medical School
Du Cane Road
London W 12 OHS England
01-743-2030, x512

(From 1981 ARIS)

**Woods Hole Oceanographic Institution
Summer Student Fellowship Program**

No. FY81-492

Program:

Stipends of \$1,800 for a twelve-week program with additional support provided for travel to upperclass undergraduates or beginning graduate students studying at colleges or universities in any of the fields of science, including biology or engineering with at least a tentative interest in oceanography. Fellowships are awarded to pursue an independent research project, chosen by the fellow, under the guidance of a member of the research staff. The institution's

aim is to give a promising group of science and engineering students experience which will assist them in determining whether they wish to devote lifetime careers to the study of the oceans.

Deadline:
March 1, 1981.

For Further Information, Contact:

Woods Hole Oceanographic Institution
Fellowship Committee
Education Office, Clark Laboratory
Woods Hole, Mass. 02543
(617) 548-1400

(From 1981 ARIS)

**National Science Foundation
Small Business Innovation Research**

No. FY81-493

Program:

The National Science Foundation (NSF) invites science-based and high-technology small business firms to submit research proposals under this program solicitation entitled Small Business Innovation Research (SBIR). Firms with strong research capabilities in science or engineering in any of the following topic areas are encouraged to participate. NSF will support high-quality research proposals on important scientific or engineering problems and opportunities that could lead to significant public benefit if the research is successful.

Objectives of the solicitation include stimulating technological innovation in the private sector, increasing the commercial application of NSF supported research results and improving the return on investment from federally funded research.

Proposals will be considered in the following topic areas:

Conservation of Materials and Resources
Bio-Sources of Materials
Genetic Technology
Advanced Manufacturing Processes
Advanced Chemical Processes
Industrial Biological Processes
Microelectronics
Communications and Systems
Computer Science and Engineering
Robotics and Controls
Scientific and Industrial Measurements
Radiation Processing and Control
Light Machinery and Components
Advanced Automotive Research
Food Process Engineering
Marine Resources
Mineral Resources
Environmental Technology
Tunneling, Drilling, Excavation and Dredging
Earthquake Engineering
Science and Technology to Aid the Handicapped
Appropriate Technology

Closing date for submission of proposals is April 1, 1981.

current publications and other scholarly works

COLLEGE OF ARTS AND LETTERS

American Studies

- Schlereth, Thomas J.
T.J. Schlereth. 1980. Mirrors of the past: Historical photography and American history. Exposure, A Quarterly Journal of the Society for Photographic Education 18(1):10-36.

English

- Bender, Eileen T.
E.T. Bender. 1980. Between the categories: Recent short fiction by Joyce Carol Oates. Studies in Short Fiction 17(4):415-423.
- Daly, Carson A.
C.A. Daly. 1980. Review of Eric Sundquist's Home as found: Authority and Genealogy in Nineteenth-Century American literature. Volume 95(5), pages 1445-1449 in, Modern Language Notes. John Hopkins Press, Baltimore and London.

Psychology

- Kline, Donald W.
D.L. Stier and D.W. Kline. 1980. Situational determinants of attitudes toward the elderly. An experimental analysis. Research on Aging 2(4):489-498.
- D.W. Kline and F. Schieber. 1981. What are the age differences in visual sensory memory? Journal of Gerontology 36(1):86-89.

Sociology and Anthropology

- Johnson, C. Lincoln
C.L. Johnson and A.J. Weigert. 1980. Frames in confession: The social construction of sexual sin. Journal for the Scientific Study of Religion 19(4):368-381.
- Weigert, Andrew J.
C.L. Johnson and A.J. Weigert. 1980. Frames in confession: The social construction of sexual sin. Journal for the Scientific Study of Religion 19(4):368-381.

COLLEGE OF SCIENCE

Chemistry

- Janata, Eberhard
*E. Janata and R.H. Schuler. 1980. Direct observation of the protonation of acetone ketyl radical

by conductometric pulse radiolysis. Journal of Physical Chemistry 84:3351-3353.

Schuler, Robert H.

- *E. Janata and R.H. Schuler. 1980. Direct observation of the protonation of acetone ketyl radical by conductometric pulse radiolysis. Journal of Physical Chemistry 84:3351-3353.

*Under the Radiation Laboratory

Physics

- Arnold, Gerald B.
J. Bostock, M.L.A. MacVicar, G.B. Arnold, J. Zasadzinski and E.L. Wolf. 1980. The current status of experimental tunneling results in Niobium. Pages 153-158 in, H. Suhl and M.B. Maple, eds. Superconductivity in d- and f-band Metals. Academic Press, New York.
- J. Zasadzinski, W.K. Schubert, E.L. Wolf and G.B. Arnold. 1980. A proximity electron tunneling study of V and V3 Ga. Pages 159-164 in, H. Suhl and M.B. Maple, eds. Superconductivity in d- and f- band Metals. Academic Press, New York.
- Bose, Samir K.
S.K. Bose 1980. Gauge symmetry and its breakdown: The example of a BCS superconductor. Journal of Mathematical Physics 21:2839-2841.

COLLEGE OF ENGINEERING

Electrical Engineering

- Cohn, David L.
J.L. Melsa and D.L. Cohn. 1980. A waveform encoder for speech transmission over 9.6 KB/S noisy channels. Pages 50.3.1-50.3.5 in, Proceedings of NTC 80. Houston, Texas.
- Melsa, James L.
J.L. Melsa and D.L. Cohn. 1980. A waveform encoder for speech transmission over 9.6 KB/S noisy channels. Pages 50.3.1-50.3.5 in, Proceedings of NTC 80. Houston, Texas.
- J.L. Melsa and D.R. Farris. 1980. A study on the use of adaptive control for energy conservation in large solar heated and cooled buildings. Pages 1214-1215 in, Proceedings of 1980 Conference on Decision and Control. Albuquerque, NM.

COLLEGE OF BUSINESS ADMINISTRATION

Accountancy

- Wittenbach, James L.
R.E. Pitts and J.L. Wittenbach. 1980. Tax credit as a means of influencing consumer behavior. Proceedings of the International Conference on Consumer Behavior and Energy Use Pages 2-1 - 2-11.

Management

- Eagan, William F.
W.F. Eagan. 1980. Tender offers, The Williams

Act, shareholders rights and offers' responsibility. Selected Paper of the American Business Law Association National Proceedings Pages 181-204.

R. McInerny. 1981. The wearing o'the greene. The American Spectator Pages 16-18.

Marketing

Pitts, Robert E.
R.E. Pitts and J.L. Wittenbach. 1980. Tax credit as a means of influencing consumer behavior. Proceedings of the International Conference on Consumer Behavior and Energy Use Pages 2-1 - 2-11.

MEDIEVAL INSTITUTE

Gabriel, Astrik L.
A.L. Gabriel. 1980. Review: A.B. Cobban, Medieval Universities, Their development and organization. Speculum 55(3):545-548.
McInerny, Ralph
R. McInerny. 1981. Santo Tomás de Aquino: La razionalidad de la fe. LA FILOSOFIA DEL CRISTIANA HOY Proceedings of Primer Congreso Mundial de Filosofia Christiana. Cordoba, Argentina 1:251-263.

RADIATION LABORATORY

Tripathi, G.N.R.
G.N.R. Tripathi. 1980. The vibrational factor group splittings in crystalline aniline. Journal of Chemical Physics 73(11):5521-5530.

O'NEILL CHAIR IN EDUCATION FOR JUSTICE

Goulet, Denis
D. Goulet. 1981. An international support system for meeting basic needs. The Review of Politics 43(1):22-42.

ARCHIVES

Spencer, Thomas T.
T.T. Spencer. 1981. Benett Champ Clark and the 1936 presidential campaign. Missouri Historical Review 75:197-213.

monthly summary

Awards Received

IN THE MONTH OF JANUARY, 1981

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
AWARDS FOR RESEARCH				
Center Study Man	Leege, Kerrigan	Jose Ortega y Gasset's MAGNUM OPUS (translation)	J.D. and C.T. MacArthur Fdtn.	20,000 12
Earth Sciences	Winkler	Preservation of monuments of limestone and sandstone	Western Water-proofing Co.	5,000 12
Civil Eng.	Theis	Industrial waste elimination research center - admin. budget	Environ. Prot. Agency	20,660 12
Chemical Eng.	Kohn	Liquid-liquid-vapor equilibria in LNG systems	Gas Proc. Assocn.	20,405 9
Radiation Lab.	Schuler	Effects of radiation on matter	Dept. Energy	2,497,000 12
Aerospace Mech. Eng.	Batill	Design procedures for three dimensional wind tunnel contractions	U.S. Air Force	77,817 24
Biology	Saz	Intermediary metabolism of helminths	Natl. Inst. Health	125,993 12
Chemistry	Kowalski	Synthesis of anticancer germa-cranolide sesquiterpenes	Natl. Inst. Health	63,324 12
Biology	Weinstein	Parasitic helminths in vitro	Natl. Inst. Health	113,063 12
AWARDS FOR EDUCATIONAL PROGRAMS				
Earth Sciences	Murphy, James	Minority students in geology	Mobil Oil Corp.	5,000 2
Cent. Const. Studies	Moots, Gaffney	College administrators' legal deskbook	Lilly Endow., Inc.	2,500 18
Cent. Const. Studies	Moots, Gaffney	Legal deskbook for private college administrators	Ford Fdtn.	65,093 18

AWARDS FOR SERVICE PROGRAMS

Cent. Past. Soc. Min.	Melloh	N.D. Center for Pastoral Liturgy	- - -	1,200
Cent. Past. Soc. Min.	Melloh	N.D. Center for Pastoral Liturgy - training programs	- - -	2,858
Cent. Past. Soc. Min.	Pelton	N.D. Institute for Clergy Education	- - -	1,645
Cent. Past. Soc. Min.	McNeill	Center for Experiential Learning	- - -	483
Cent. Past. Soc. Min.	Gaynor	Religious Leaders Program	- - -	500
Inst. Urban Studies	Broden	Youth advocacy program development	Dept. Justice	348,600 12

Proposals Submitted

IN THE MONTH OF JANUARY, 1981

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Advanced Studies	Berry	Research apprentice program for minority high school students in 1981	Natl. Inst. Health	7,500 12
Philosophy	Manier	History of research areas in cellular neurophysiology, 1959 to present	Natl. Sci. Fdn.	24,004 12
Chemistry	Pasto	Allenyl and propargyl transition metal complexes	Natl. Sci. Fdn.	143,601 36
Chemistry	Hayes	Core absorption spectroscopy of metalloporphyrins	Natl. Inst. Health	56,732 12
Metallurgical Eng.	Fiore, Kosel	Microstructural effects in abrasive wear	Dept. Energy	193,959 24
Chemistry	Fehlner	Synthesis, structure and reactivity of clusters of iron and boron	Natl. Sci. Fdn.	208,786 36
Chemistry	Pasto	Physical and chemical properties of allenyl transition metal complexes	Amer. Chem. Soc.	68,850 36
Aerospace Mech. Eng.	Lloyd, Yang	Radiation-convection interactions in heat transfer	Natl. Sci. Fdn.	88,127 12
Aero. Mech. Eng., Electrical Eng.	Daschbach, Henry	Computerized video work measurement	U.S. Air Force	110,578 15
Civil Eng.	Bang	Feasibility study of small anchorage in reinforced earth walls	Dept. Transportation	64,215 15
Biology	Duman, Castellino	Insect ice nucleator proteins: Purifi- cation and physical-chemical properties	Natl. Sci. Fdn.	103,813 24
Microbiology- Lobund Lab.	Westmann, Pleasants	Characterization of nutritionally defined gnotobiot	Natl. Inst. Health	105,905 12
Biology	Grimstad, Munstermann, Craig	Neotropical dengue: <u>Aedes aegypti</u> popu- lation genetics and vector competence	U.S. Army	102,210 36
Electrical Eng.	Hibey	Mathematical relationships between stochastic and deterministic equations	Natl. Sci. Fdn.	90,349 24
Chemistry	Creary	Rearrangement of carcinogenic chloroalkene epoxide analogs	Natl. Inst. Health	105,139 12
Chemistry	Miller	Synthesis of ferrichrome and related iron chelators	Natl. Inst. Health	155,246 12
Chemical Eng.	Strieder	Transport in heterogeneous and porous media - thermal conduction	Natl. Sci. Fdn.	42,771 12
English	Davis, McDonald	WPA literature and arts in Indiana	Ind. Arts Commission	7,562 12
Chemistry	Fehlner	Metal-metal interactions in clusters by photoelectron spectroscopy	Natl. Sci. Fdn.	37,895 12
Chemical Eng.	Schmitz	Thermographic studies of catalytic reaction dynamics	Natl. Sci. Fdn.	255,861 36
Chemistry	Clader, Kowalski	Total synthesis of taxane derivatives	Natl. Inst. Health	- - - 12
Biology	Pashley, Rai	Biosystematic relationships in the <u>Aedes (Stegomyia) scutellaris</u> subgroup	Natl. Inst. Health	- - - 12

PROPOSALS FOR FACILITIES AND EQUIPMENT

Physics	Biswas, Cason Kenney, Shephard	Supplemental proposal for high energy research equipment	Natl. Sci. Fdn.	43,000 3
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PROPOSALS FOR EDUCATIONAL PROGRAMS

History	Hatch	Professions in American history	Ind. Comm. Human.	47,527 9
Aerospace Mech. Eng.	Daschbach	Work analysis curriculum enhancement	SME Fdn.	9,344 3
Inst. Urban Studies	Smith, Broden	Talent search	Dept. Education	152,298 12
Inst. Urban Studies	Smith, Broden	Upward Bound	Dept. Education	319,255 12
Snite Museum Art	Porter, Halley	Education expansion programs: four families of humanity	Ind. Arts Commission	55,610 12
Civil Eng.	Ketchum	Urban engineering training	(private con- sulting firms)	480,000 48

summary of awards received and proposals submitted

IN THE MONTH OF JANUARY, 1981

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	7	\$ 2,845,445	2	\$ 97,817	9	\$ 2,943,262
Facilities and Equipment	-	- - -	-	- - -	-	- - -
Educational Programs	-	- - -	3	72,593	3	72,593
Service Programs	1	348,600	5	6,686	6	355,286
Total	8	\$ 3,194,045	10	\$ 177,096	18	\$ 3,371,141

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	9	\$ 1,020,173	13	\$ 952,930	22	\$ 1,973,103
Facilities and Equipment	1	43,000	-	- - -	1	43,000
Educational Programs	2	471,553	4	592,481	6	1,064,034
Service Programs	-	- - -	-	- - -	-	- - -
Total	12	\$ 1,534,726	17	\$ 1,545,411	29	\$ 3,080,137

closing dates for selected sponsored programs

Proposals must be submitted to the Office of Research and Sponsored Programs seven calendar days prior to the deadline dates listed below.

Agency	Programs	Application Closing Dates
American Institute of Architects The Camilleand Henry Dreyfus Fdn., Inc.	The Arnold W. Brunner Scholarship	April 30, 1981
	Teacher-Scholar Grants	April 15, 1981
International Research and Exchanges Board	Special Grants for Collaborative Activities and New Exchanges	April 30, 1981
International Research and Exchanges Board	Travel Grants for Senior Scholars in the Social Sciences and Humanities	April 30, 1981
The MacDowell Colony, Inc.	Residence Fellowships	April 15, 1981

notre dame report

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