

UN
NOTRE DAME

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COLLECTION

'74-'75

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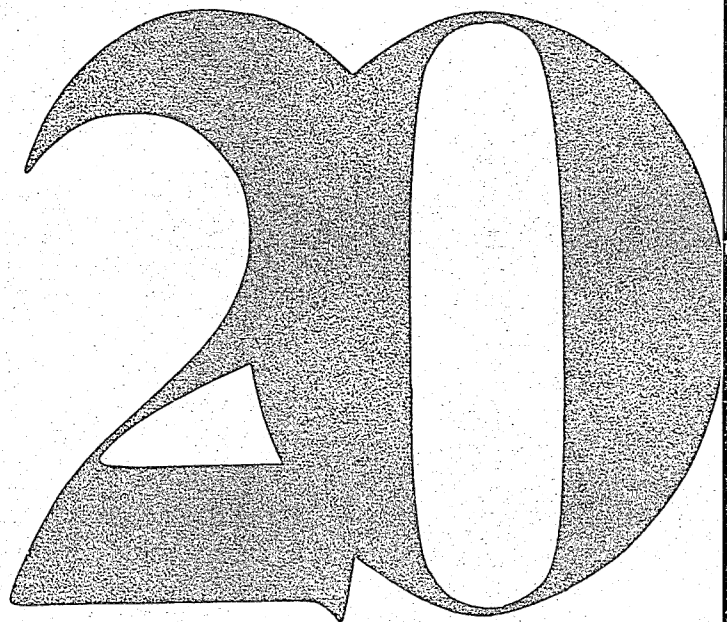
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the university

Academic Year Opening

The Mass formally opening the 1975-76 academic year at the University of Notre Dame will be at 10:45 a.m. September 14 in Sacred Heart Church. Rev. Theodore M. Hesburgh, C.S.C., will be the principal celebrant, assisted by officers of the University. Rev. James T. Burtchaell, C.S.C., provost, will give the homily.

The President's Reception for new faculty members will be from 3 to 5 p.m. Sunday, September 14, in the Center for Continuing Education.

Acting Dean Named

Isabel Charles, O.P., assistant dean of the College of Arts and Letters at the University of Notre Dame, has been named acting dean of the college, effective September 1.

A search committee for a permanent replacement for retiring Dean Frederick J. Crosson, which has been chaired by Dr. Charles, will continue seeking a new dean for the College.

Endowed Professorship

A 1924 graduate of the University of Notre Dame and a retired executive of the New York Telephone Company, W. Harold Welch, and his wife, Martha, have established an endowed professorship at the University.

Rev. Theodore M. Hesburgh, C.S.C., Notre Dame president, said the W. Harold and Martha Welch chair would reflect the donor's lifelong interest in communications. Welch noted that the endowed professorship was intended "to call attention to Notre Dame's traditional strength in the area of communications and to spur innovative scholarship in the field."

The new endowment brings to 18 the number of endowed professorships established by the University since 1937.

New Music Quarters

One of the University's oldest buildings, the 85-year-old Hoynes Hall, will be renovated to accommodate the Department of Music. Currently occupying 3,600 square feet in O'Shaughnessy Hall, the music department will more than triple its space in its move into Hoynes, tentatively scheduled for January 1976. Plans for using the 13,000 square feet in the new quarters include a sorely needed choral and instrumental rehearsal room which also will serve as a large lecture hall and a recital hall for student concerts. The new facility also will include 13 teaching studios, 18 practice rooms, 2 smaller classrooms, a library for scores, a student lounge, an orchestral storage room and an administrative office area. According to Rev. James T. Burtchaell, C.S.C., University provost, "The decision to give the Department of Music a new home speaks to its part in a renaissance of the fine arts at the University".

Outgoing Mail

Brother Kieran Ryan, C.S.C., assistant vice president for business affairs has issued the following statement of policy on mail processed through the University mail room:

All postage affixed to outgoing mail at the University mail room must be charged to the department from which it originates. For this reason the mail room cannot accept for postage any unidentified letters or packages or those with return addresses other than the University of Notre Dame department concerned. If for some special reason mailing without such identification is necessary, a note from the person authorizing such mailing should be attached to the piece or pieces to be mailed so that proper accounting for the postage can be made by the mail room personnel.

Yugoslav Manuscripts

The University of Notre Dame Library has acquired a significant collection of manuscripts in microfilm from Yugoslavia, according to David E. Sparks, director of University Libraries.

The reproductions of mediaeval and renaissance manuscripts of the Franciscan Library in Dubrovnik and of the Metropolitan Cathedral Library of Zagreb were acquired for the Library by Astrik L. Gabriel, director of the Frank M. Folsom Ambrosiana Microfilm and Photographic Collection.

"The collection is of important scholarly interest not only to the social and cultural history of Central Europe, but also to that of Europe in general," Sparks noted. The Croation materials augment microfilm manuscripts already in the Folsom Collection, which houses the entire manuscript collection of Milan's Ambrosiana Library. Interested scholars will have access to the manuscripts through inter-library loan.

Ladies of Notre Dame

A history of the Ladies of Notre Dame, 1934-74, has been written by Jo D'Alelio and Elaine Nicgorski and published by the organization. Copies are \$1.75 and are available from Carol Porter, 272-5007.

Outreach Program For the Elderly

The University of Notre Dame has received \$61,082 from the National Institute of Mental Health for a mental health outreach training program to serve the elderly.

Directed by John F. Santos, Notre Dame professor of psychology, the program will train elderly and middle-aged outreach workers to provide mental health services to aged persons who, for various reasons, do not take part in regular public or private programs.

Seven six-week minicourses conducted at Notre Dame will include lectures and discussion sessions, videotaped training sessions and field trips dealing with psycho-social aspects of aging, physical health and aging, mental health and family problems of aging, counseling the elderly, death and dying, and program availability and utilization by the elderly. Internships will be arranged with nursing homes and service, church and recreational programs. Trainees also will make home visits.

According to Santos, "The facts suggest that special care is needed to insure that the aged be made aware of services that are available, and that special means be established to bring those services to them."

Viet Refugee Study

William T. Liu, sociology professor and director of Notre Dame's Center for the Study of Man in Contemporary Society, led a team of consultants to the Navy Health Research Center during June studying adjustment problems of Vietnamese refugees in California. The Navy Center handles health problems at Camp Pendleton, California, one of the major Vietnamese resettlement camps in the U.S.

With the help of two other Notre Dame social scientists, Tom T. Sasaki, professor of sociology and anthropology, and Elena Siok-hue Yu, visiting assistant professor of modern and classical languages, and two technicians from the University's Social Science Training and Research Laboratory, Liu set up a program to monitor a representative sample of the refugees for severe cultural shock and stresses resulting from uprooted existence. Liu said correlations with future physical problems can be made by questioning the new immigrants about specific stresses and life changes, such as bombings, loss of family and other war experiences. Follow-up monitoring of the same families will watch for specific problems in adjustment.

Liu and his associates have recommended that different programs be developed for different segments of the population, instead of concentrating on a single program -- sponsorship. "Those who are easy to sponsor are moved out quickly, and the more difficult cases will be left untreated," he said. Other recommendations included preparing communities to accept refugee families, and instituting special classes for children in Southern California.

faculty notes

University appointments

William O. McLean, retired commandant of the Navy Reserve Officers Training Corps at Notre Dame, has been named to the newly created position of assistant director of financial aid and scholarships.

Non-university appointments

Joseph C. Hogan, dean of the College of Engineering at the University of Notre Dame, has been named chairman of the American Society for Engineering Education's Committee on Accreditation Processes. The newly appointed committee is charged with studying and making recommendations on the objectives, values, involvement and impact of accreditation processes on engineering education.

Michael J. Crowe, professor in the General Program of Liberal Studies, has been named to chair a committee formulating program procedures for the annual meeting of the History of Science Society.

Thomas P. Bergin, dean of continuing education, has been appointed to a new national committee, the American Council for the Arts in Education. Educators and other professional persons named to the panel will be concerned with the arts in schools and colleges, arts in community learning centers, educational programs of arts institutions, and the role of the artist as educator. The new organization is an outgrowth of the Rockefeller Panel which was convened in 1963 to promote professional performing arts.

Miscellany

Two Notre Dame chemists are among 72 U.S. scientists awarded North Atlantic Treaty Organization (NATO) Senior Fellowships in Science to conduct special research and educational studies abroad.

Daniel J. Pasto, professor chemistry, will spend two months in Germany at the University of Munich studying rotational processes in complex molecules. Robert G. Hayes, professor of chemistry will work at the Deutsches Elektronen Synchrotron in Germany, a high-energy physics facility associated with the University of Hamburg. He will study the use of synchrotron radiation, a by-product of the electron accelerator, as a probe for molecular studies.

Hafiz Atassi, associate professor of aerospace and mechanical engineering, conducted a seminar on "Unsteady Aerodynamic Forces on Airfoils in Nonuniform Motions" at the Aerospace Propulsion Laboratory at Wright Patterson Air Force Base, Dayton, Ohio on June 26.

Michael J. Crowe, professor in the General Program of Liberal Studies, delivered an invited paper on "Teaching History of Science and Technology in Liberal Arts Colleges" at a conference May 21 on Undergraduate Teaching of the History of Science and Technology. The conference at Iowa State University was sponsored by the History of Science Society.

Col. Joseph L. Falvey, chairman and professor of aerospace studies and U.S. Air Force ROTC Detachment Commander at the University of Notre Dame since 1972, has retired from the Air Force after more than 30 years of commissioned service. In retirement ceremonies conducted at the University June 30, Col. Falvey was presented the Air Force Meritorious Service Medal by Maj. Gen. Eugene L. Hudson, USAF director of logistics plans and programs.

Sister John Miriam Jones, S.C., assistant to the provost, spoke to the Fourth Annual Catholic Health Assembly held in San Francisco June 1-5, on "The Faithful Woman - Free for the Church."

John R. Lloyd, associate professor of aerospace and mechanical engineering, attended the 1975 Applied Mechanics Conference-Biomechanics Symposium at Rensselaer Polytechnic Institute, in Troy, New York, June 23-24 and presented a paper entitled "Effect of Test Section Geometry on the Occluder Motion of Caged-Ball Prosthetic Heart Valves."

Rev. Ernan McMullin, professor of philosophy, delivered the Matchette Lectures at Colby College (Maine) in May on topics in the philosophy of science. He presented a paper on "The poverty of logicism" at an international conference on "The Concept of Progress in Science" sponsored by the Fritz Thyssen Stiftung at Kronberg, near Frankfurt, from July 6-13.

Thomas J. Mueller, professor of aerospace and mechanical engineering, attended the AIAA 8th Fluid and Plasmodynamics Conference held June 16-18 in Hartford, Connecticut, and read a paper on "The Mach Disc in Truncated Plug Nozzle Flows." At the Applied Mechanics Conference and Biomechanics Symposium in Troy, New York, June 19-20, he delivered a paper on "Effect of Test Section Geometry on the Occluder Motion of Caged-Ball Prosthetic Heart Valves," co-authored by Associate Professor John R. Lloyd and others.

Victor W. Nee, professor of aerospace and mechanical engineering, presented a paper entitled "Certain Flow Properties of an Atmospheric Wind Tunnel with Volumetric Turbulence Control" at the 2nd U.S. National Conference in Wind Engineering Research in Fort Collins, Colorado, June 22-25.

office of advanced studies

Information Circulars

The German Marshall Fund of the United States: German Marshall Fund Fellowship Program for 1976

No. FY76-1

The German Marshall Fund Fellowships will be available to support scholars whose work is designed to contribute to the better understanding and resolution of significant contemporary and emerging problems common to industrial societies, particularly their comparative, political, economic, and social aspects. Such problems will involve U.S. and European (West and/or East) interests in all cases but may also be concerned with other societies.

Qualifications

Most participants will be established scholars, from any field, with advanced degrees.

Selection Criteria, Process and Schedule

Scholars will be selected on the following criteria: scholarly qualifications, promise and achievements; importance and originality of proposed work; likelihood of the applicant being able to accomplish what he or she proposes. Special consideration will be given to research in international urban affairs, employment and conditions of work, land use, communications and media, justice/crime prevention, comparative social policies, and the issues of interdependence other than security affairs.

Deadline

Applications must be submitted by November 1, 1975. Appointments will be announced in February. Duration may extend from an academic term to a calendar year or longer.

Support

Each fellow will be expected to apply for leave or sabbatical, and explore other possible outside sources of funding. Thereafter, the fund will help each fellow to meet current earned income rate. Travel expenses may also be available for the fellow and family. Fellows will be responsible for their own housing, insurance and other expenses.

Applications may be obtained from:

The German Marshall Fund of the United States
11 Dupont Circle, N.W.
Washington, D.C. 20036

For further information contact the Office of Advanced Studies.

The Damon Runyon-Walter Winchell Cancer Fund Fellowship Grant

No. FY76-2

The Damon Runyon-Walter Winchell Cancer Fund, as of June 1975, will discontinue its support of cancer research in favor of training of young scientists who have demonstrated the ability to conduct original research.

The fellowship grant is available to scientists with previous accomplishments in research, particularly in cancer. The grants are awarded to an institution for the support of a postdoctoral or predoctoral fellow, or undergraduate student, to work on a specific project of a principal investigator. Except in special circumstances, postdoctoral fellowship support is reserved for those whose doctoral degrees were conferred not more than three years to submission of the application.

The grant is limited to a \$15,000 maximum budget, and will include the following:

- * Salary, not to exceed \$12,000 per annum
- * Fringe benefits
- * 5% indirect costs
- * Travel to scientific meetings

The Awards Meetings are tentatively set for March, June and November with the respective deadline dates for receipt of applications set at December 15th, March 15th and August 15th.

Applications are available from:
The Research Department
Damon Research Department
Damon Runyon-Walter Winchell Cancer Fund
33 West 56th Street
New York, NY 10019

The German Marshall Fund of the United States: Research Support Programs

No. FY76-3

The purpose of the German Marshall fund is to assist individuals and organizations to understand and to resolve selected contemporary and emerging problems common to industrial societies, both domestic and international.

Definition of Programs

*Domestic Problems. The fund gives highest priority to international projects on selected problems normally treated as domestic despite similarities to problems elsewhere. To improve understanding and resolution of such problems, the GMF supports collaborative efforts, dissemination and exchange of information and experience, and comparative studies -- by persons and groups with relevant responsibilities and knowledge in the U.S., Europe and other societies. In 1975-76 Fund support will be focused on international urban affairs, employment and conditions of work, land use.

*International Problems. Many interests of the U.S., Europe, and other industrial and developing societies in an interdependent world require greater cooperation among governmental, international, and private entities. The Fund supports projects by persons and organizations in the U.S., Europe and elsewhere, designed to explore the concomitant issues involved and to suggest alternative policy solutions. Emphasis is given to the economic, social and political aspects of such issues rather than to traditional diplomatic, military, and security affairs.

For further information, call the Office of Advanced Studies, Extension 7378, or contact:

The German Marshall Fund of the United States
11 Dupont Circle, N.W.
Washington, D.C. 20036
Telephone: (202) 797-6430

National Science Foundation Undergraduate Research Participation

No. FY76-4

The Undergraduate Research Participation program is designed to provide support to colleges and universities to enable them to bring into their on-going research activities, not as technicians, but as colleagues or members of a research team, appropriately qualified and talented undergraduate students.

The program's purpose is two-fold: (1) to give the participating students an experience with investigative, project-centered activity so designed as to lead them to increasing independence and acceptance of responsibility in developing and pursuing their educational goals, while providing guidance in developing their skills of foresightedness, analytical competence, creative imagination, and perseverance, and (2) to foster this more open approach to the education of young scholars and to demonstrate to college faculty members the advantages of this kind of learning over the traditional lecture-laboratory type of instruction. Another objective, secondary but nonetheless important within the framework of the over-all program is provision of a modest amount of financial assistance to establish or sustain faculty-student research in departments which enjoy little other external support for this key component of a good teaching environment.

The educational institutions involved in the program, therefore, constitute a widely varying group, ranging from colleges and universities having active research programs seeking to enhance the education of able undergraduates by involving them in ongoing research to institutions whose science departments, with little or no external research support, attempt to maintain modest research efforts as an aid to enhancement of both student capabilities and an atmosphere of scholarly activity within the departments.

The closing date for submission of proposals is September 10, 1975. For further information contact the Office of Research and Sponsored Programs, Extension 7378.

Research Opportunities — Lilly Library Indiana University, Bloomington

No. FY76-5

The Lilly Endowment has made a grant of \$15,000 to the Lilly Library at Indiana University Bloomington to assist faculty members of colleges and universities in Indiana who wish to use the resources and facilities of the Library and its collections of rare books and manuscripts in their research.

Small Grants for Research

Approximately one-third of the total will be awarded as small grants to cover the bare minimum of travel and out-of-pocket costs for weekend and/or short visits to the library during the 1975-76 academic year. In general, grants will not exceed \$300. Requests may be submitted before the first day of each month. The review committee will attempt to announce the awards by the 10th day of the month. The first screening will take place in September, 1975, and continue through April, 1976.

Summer Fellowships for Research

The Summer Fellowships will enable the fellows to devote full time for the summer of 1976 to their scholarly work, with a minimum of two months in residence at the Lilly Library. The fellowships will carry a stipend of \$1,600 and a dislocation allowance up to \$400. The applicant will devote his full time during the summer to the fellowship.

Deadline

Deadline for receipt of applications for the Lilly Library summer research fellowships is November 15, 1975. Announcement of the awards will be made before January 15, 1976.

Applications for either of the two programs may be obtained from either of the addresses listed below: Specify which application you desire.

The Lilly Library
Indiana University
Bloomington, IN 47401

Office of Research and Development
Memorial Hall East - M-37
Indiana University
Bloomington, IN 47401

For further information, contact the Office of Advanced Studies, 7378.

Monthly Summary

Awards Received

IN THE MONTH OF JUNE, 1975

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Microbiology- Lobund Lab.	Pollard, Wagner	Regulation of microflora of leukemic laboratory animals	Natl. Inst. Health	29,647 4
Microbiology- Lobund Lab.	Kulpa	Enhancement of chemotherapy through the use of liposomes	Amer. Cancer Society	34,078 24
Mathematics	Matsushima, Nagano	Lie groups and differential geometry	Natl. Sci. Fdn.	40,300 12
Civil Eng.	McFarland	Characteristics of ambient aerosol samplers	Environ. Prot. Agency	19,766 7
Biology	Weinstein	Development of parasitic helminths in vitro	Natl. Inst. Health	8,164 12
Physics	Miller	Electron irradiation of space probe materials	Gen. Elect. Co.	3,745 --
Biology	Saz	Chemotherapy and metabolism of filariids	Natl. Inst. Health	3,002 12
Biology	Saz	Intermediary metabolism of helminths	Natl. Inst. Health	9,194 12
Electrical Eng.	Gajda	Investigation of composite insulators	Ristance Inc.	2,208 3
Civil Eng.	Theis, Marley	Contamination of groundwater by metals from disposal of fly ash	Energy Res. Dev. Admin.	50,000 12
Physics	Johnson	Quantum electrodynamics in atomic and nuclear physics	Natl. Sci. Fdn.	16,000 12
Mathematics	Taylor	Algebraic and geometric topology	Natl. Sci. Fdn.	5,300 12
Chemistry	Fehlner	Polyalanes: Synthesis, stabiliza- tion and characterization	Natl. Sci. Fdn.	24,800 12
Theology	Burrell	Evangelization in the American context	Raskob Fdn.	5,000 6
Theology	Gremillion	Grant-in-aid	Diocese Alexandria, La.	4,200 --
Aerospace Mech. Eng.	Yang	Development of an ozone genera- tion device	Telecomm. Ind., Inc.	4,992 1.5
Microbiology- Lobund Lab.	Pollard	Study of virucidal effects of ozone	Telecomm. Ind., Inc.	1,800 3
Psychology	Borkowski	Improving learning and memory in the aged	Admin. on Aging	5,000 12
Chemistry	Martinez- Carrion	Ligand interaction with trans- aminase isozyme	Amer. Heart Assocn.	8,500 12
Chemistry	Castellino	Activation of human plasminogen by urokinase	Amer. Heart Assocn.	3,600 12
Microbiology- Lobund Lab.	Pollard	Evaluation of microbial steriliz- ing effects of ozone	Telecomm. Ind., Inc.	30,000 12
Inst. Urban Studies	Broden	Urban research for City of South Bend	City South Bend	25,000 12

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR EDUCATIONAL PROGRAMS				
Center Study Man	Santos	Outreach training to serve the elderly	Natl. Inst. Health	61,082 12
Psychology	Borkowski, Whitman	Research training in mental retardation	Natl. Inst. Health	46,548 12
Aerospace Mech. Eng.	Szewczyk	XII biennial fluid dynamics symposium in Poland	Natl. Sci. Fdn.	5,500 --
Inst. Urban Studies	Broden	Multi-cultural education strategy in South Bend	Lilly Endow., Inc.	100,000 15
Center Cont. Educ.	Bergin	Meeting: Artists-in-school coor- dinators & participating artists	Natl. Endow. Arts	50,000 2
Center Cont. Educ.	Bergin	Artists-in-school program	U.S. Off. Educ.	9,976 6
AWARDS FOR SERVICE PROGRAMS				
Inst. Urban Studies	Broden	Equal educational opportunity- youth advocacy program	South Bend, Mish. YMCA	7,500 12

Proposals Submitted

IN THE MONTH OF JUNE, 1975

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Microbiology- Lobund Lab.	Kulpa	Surface characteristics of tumor cells	Damon Runyon	16,350 24
Biology	Craig, Rai, Crovello	Ecological studies on <i>Aedes</i> <i>aegypti</i>	Agency Internatl. Develop.	26,325 6
Microbiology- Lobund Lab.	Pollard	Microbial sterilizing effects of ozone	Telecomm. Ind., Inc.	30,000 12
Chemistry	Labinger	Systematic synthesis of catalytic organometallic complexes	Amer. Chem. Soc.	9,000 36
Biology	Saz	Chemotherapy and metabolism of filarids	Natl. Inst. Health	30,843 12
Sociology Anthropology	Samora	U.S. - Mexico border problems	Ford Fdn.	14,387 7
Chemistry	Labinger	Redox behavior of transition metal oxygen complexes	Research Corp.	10,800 20
Biology	Saz	Intermediary metabolism of helminths	Natl. Inst. Health	90,333 12
Chemistry	Nowak	NMR studies of metals in kinases and related enzymes	Natl. Inst. Health	42,275 12
Biology	Craig	Genetic and reproductive biology of <i>Aedes</i> Mosquitoes	Natl. Inst. Health	127,977 12
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Theology	Malloy, Hauerwas	Just war symposium	(Private Fdtns.)	12,382 4
Theology	Egan	Institute for pastoral ministry	Dr. Scholl Fdn.	2,413 5 wks.
Civil Eng.	Irvine	Joint program in environmental engineering and law	Environ. Protect. Agency	61,137 12

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF JUNE, 1975

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	12	\$ 175,273	10	\$ 159,023	22	\$ 334,296
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	2	146,548	4	126,558	6	273,106
Service Programs	-	---	1	7,500	1	7,500
Total	14	\$ 321,821	15	\$ 293,081	29	\$ 614,902

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	\$ 347,753	4	\$ 50,537	10	\$ 398,290
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	2	63,550	1	12,382	3	75,932
Service Programs	-	---	-	---	-	---
Total	8	\$ 411,303	5	\$ 62,919	13	\$ 474,222

Closing Dates for Selected Sponsored Programs

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

Agency	Programs	Application Closing Dates
National Institutes of Health	General Research Support Grants	September 1, 1975
National Institutes of Health	Research Career Development	September 1, 1975
National Institute of Mental Health	Experimental Mental Health Training Projects	September 1, 1975
National Institute of Mental Health	Special Training Projects in Mental Health	September 1, 1975
National Institute of Mental Health	Utilization and Development Training Projects in Mental Health	September 1, 1975
National Science Foundation	International Cooperative Scientific Activities (Latin America)	October 15, 1975
National Science Foundation	International Cooperative Scientific Activities (seminars - U.S./Japan)	September 30, 1975
National Science Foundation	Student Science Training Program Proposals	October 10, 1975
National Science Foundation	Undergraduate Research Participation	September 10, 1975
Office of Education	Applied Research in Vocational, Occupational, and Technical, Education	September 1, 1975

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