

# notre dame report

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# the university

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## special notice

Please note that the deadline for Notre Dame Report #1 for the 1980-81 academic year will be Aug. 27. The issue will appear on Sept. 12 with a full publication schedule for the next academic year.

## evans crossroads dedicated

The Crossroads Park on campus has been renamed in honor of the late Prof. Joseph W. Evans. The landscaped area located in front of Nieuwland Science Hall was dedicated Evans Memorial Crossroads on May 11.

A bronze plaque has been added to a fountain located in the center of the park. It opens with a quotation from poet Gerard Manley Hopkins, "The Just Man Justices," and refers to Evans as "philosopher, teacher, friend." Evans died last August as he was about to begin his 30th year as a philosophy teacher.

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July 25, 1980

# faculty notes

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## honors

James M. Daschbach, professor of aerospace and mechanical engineering, has been appointed director of the Parliamentary Committee of the International Society of Parametric Analysts.

Howard P. Lanser, associate professor of finance, was chosen to receive a grant from the Chicago Board of Trade to attend the board's 1980 Summer Intern Program in Chicago, June 8-20.

Robert A. Leader, professor of art, has been commissioned to design and execute the stained glass for the new chapel complex at St. Olaf's Catholic Church in downtown Minneapolis.

John W. Lucey, associate professor of aerospace and mechanical engineering, has been elected to a one-year term as chairman-elect of the Nuclear Engineering Division of the American Society for Engineering Education.

Kevin M. Misiewicz, associate professor of accountancy, has been appointed to the editorial review board, The Accounting Review, for 1980-81.

Walter J. Nicgorski, chairman and associate professor in the General Program of Liberal Studies, has accepted the invitation to serve on the Philosophy Committee of the four-year study on the "Foundations of Moral Education," sponsored by the Inter-University Committee on Research and Policy Studies at the Catholic University of America.

Rev. David J. Porterfield, C.S.C., admissions counselor, has been appointed chairman of the Human Relations Committee by the Indiana Association of College Admissions Counselors.

Kenneth F. Ripple, associate professor of law, received the Distinguished Teacher Award from The Law School for the 1979-80 academic year. Ripple has also been elected to the School Board of Christ the King School, South Bend.

John Santos, professor of psychology, has been named chairman of the recently established Life Course Review Committee of the National Institute

of Mental Health in Rockville, Md. This committee reviews research and training proposals submitted to NIMH relative to mental health problems of people of all ages.

## activities

Krzysztof Bobrowski, research associate in the Radiation Laboratory, presented a seminar, "The Radiation Chemistry of Alkyl and Aromatic Tetramonium Cations," at the National Bureau of Standards, Washington, D.C., on June 2.

Francis J. Castellino, dean of the College of Science and professor of chemistry, delivered a plenary address on the "Activation of Low-Molecular-Weight Forms of Human Plasminogen" at the Fifth International Conference on Synthetic Fibrinolytic Agents in Malmo, Sweden, on June 18.

Daniel M. Chipman, associate professional specialist in the Radiation Laboratory, presented a paper, "Are Bonds Bent? To What Extent Do Bond Orbitals Follow Nuclear Motions?," at the Seventh Canadian Symposium on Theoretical Chemistry held at Banff, Alberta, Canada, June 16-20.

J. Michael Gould, assistant professor of chemistry, presented a paper (coauthored by N. Clement), "Changes in pH and Microviscosity of the Internal Aqueous Phase of Unilamellar Phospholipid Vesicles," at the annual meeting of the Biophysical Society in New Orleans, June 4.

Paul R. Grimstad, assistant faculty fellow in biology, conducted a training session on viral encephalitis and participated in a panel discussion of mosquito-borne encephalitis as part of the post-graduate seminar for local health officers sponsored by the Indiana Association of Public Health Physicians held at the Brown County Inn, Nashville, Ind., June 18-19.

John L. Hardwick, assistant professional specialist in the Radiation Laboratory, presented a paper, "Laser-Excited Fluorescence of CS<sub>2</sub>," at the 35th Annual Symposium on Molecular Spectroscopy held at Columbus, Ohio, June 16-20.

James M. Johnson, assistant professor of finance, presented a paper, "Financial Issues in Marketing," at the "Going Beyond 10" conference sponsored by the American Association of Equipment Lessors held in New Orleans, June 2-4.

Barry Keating, assistant professor of finance and business economics, was an invited participant in a workshop on "Industry Standards and Consumer Welfare" at the annual meeting of the American Society for Testing and Materials in Chicago on June 27.

Takeyoshi Nakayama, research associate in the Radiation Laboratory, presented a paper, "Spectroscopic Studies of Radicals in Irradiated Dihydronaphthalene and Dihydro Anthracene in Crystals," at the 35th Annual Symposium on Molecular Spectroscopy held at Columbus, Ohio, June 16-20.

Morris Pollard, chairman and professor of microbiology and director of the Lobund Laboratory, spoke on the development and applications of model systems for studies on prostate cancer at a symposium on prostate cancer held in Paris, France, June 28-July 4. The symposium was sponsored by the International Union Against Cancer, the European Organization for Research in the Treatment of Cancer, the International Society of Urology, the World Health Organization and the National Prostatic Cancer Project (U.S.A.).

Kenneth F. Ripple, associate professor of law, delivered a presentation of the procedures of the Supreme Court of the U.S. to newly appointed federal judges, Washington, D.C., on June 12.

Thomas J. Schlereth, associate professor of American studies, delivered the keynote conference presentation, "19th Century American Venacular Architecture," at the joint meeting of the Massachusetts Historical Society and the Bay State Historical League on June 21 at Bradford College, Bradford, Mass. Schlereth also presented a paper, "The New England Presence on the Midwest Landscape," at the New England Folklife Seminar sponsored by Boston University at The Dublin School, Dublin, N.H., on June 28.

C. Joseph Sequin, associate professor of management, conducted a seminar at the Defense Department Management Seminar for Regional Managers on "Management Styles: Productivity and Morale Implications" in Nashville, Ind., on June 9.

William P. Sexton, associate professor of management, presented a paper, "Human Geography of the Modern Corporation," in the Theology Business Seminar - "Conscience and the Corporation" on April 14 in the CCE. He also conducted a day-long seminar on "Intervention in Health Care Systems" at the Ohio Health Education Network annual meeting in Youngstown, Ohio, on April 23.

J. Eric Smithburn, associate professor of law, lectured on various juvenile law-related topics at the Nebraska Judicial Conference at Fort Robinson, Neb., June 9-10. Smithburn also lectured on "Lizzie Borden: A Case Study of Crime and Family in the 1890s" at the "Mini University" held at Indiana University, Bloomington, June 16-17.

Lee A. Tavis, C. R. Smith Professor of business administration, presented a seminar on "Issues in Utility Regulation" for the attorneys and economists of the Texas Public Utility Commission, Austin, Texas, June 13-14.

G. N. R. Tripathi, assistant professional specialist in the Radiation Laboratory, presented a paper, "The Vibrational Factor Group Splittings in  $\alpha$ -Resorcinol," at the 35th Annual Symposium on Molecular Spectroscopy held at Columbus, Ohio, June 16-20.

## deaths

Rev. Joseph N. Garvin, C.S.C., 74, professor emeritus of philosophy, May 13.

## addendum to faculty listing

The following faculty members taught in the spring semester of the 1979-1980 academic year and were not previously listed in Notre Dame Report Number 4 or Number 6.

JEFFREY N. BLANCHARD, Adjunct Assistant Professor of Architecture, Rome Program. B.A., Stanford Univ., 1973; M.A., Yale Univ., 1976; M.Phil., *ibid.*, 1977. (1980)

CYNTHIA M. DAVIS, Adjunct Assistant Professor of English. B.A., Indiana Univ., 1969; M.A., Northwestern Univ., 1971; Ph.D., Univ. of Notre Dame, 1976. (1979, 1980 Spring Semester)

REV. JAMES M. DUANE, C.S.C., Adjunct Instructor in Theology. B.A., Stonehill College, 1968; M.Th., Univ. of Notre Dame, 1973. (1980)

RICHARD J. FIELD, Visiting Associate Professor of Chemistry and the Radiation Laboratory. B.A., Univ. of Massachusetts, 1963; M.S., Holy Cross College, 1964; Ph.D., Univ. of Rhode Island, 1968. (1980)

ANASTASIA GUTTING, Adjunct Assistant Professor of Philosophy. A.B., St. Louis Univ., 1965; Ph.D., *ibid.*, 1978. (1979)

DOUGLAS R. HART, Instructor in Naval Science. B.Sc., Univ. of Utah, 1974. (1980)

MICHAEL C. HAWFIELD, Visiting Instructor in History. B.A., Lynchburg College, 1968; M.A., Univ. of North Carolina, 1972. (1980)

JOHN E. KLEINHENZ, Instructor in Economics. A.B., John Carroll Univ., 1974; M.A., Univ. of Notre Dame, 1979; Ph.D., *ibid.*, 1980. (1980)

DONALD J. KREBS, Adjunct Instructor in Management. B.S., Marquette Univ., 1962; M.S., Univ. of Notre Dame, 1967. (1980)

WILLIAM F. MEYER, JR., Part-time Professional Specialist in Physical Education. A.S., Northeastern Connecticut, 1972; B.S., Central Connecticut State, 1975; M.Ed., Trenton State, 1976. (1979)

ALEXANDER A. PETRAUSKAS, Part-Time Associate Professor Emeritus of Physics. B.S.E.E., Univ. of Notre Dame, 1931; M.S., *ibid.*, 1938; Ph.D., Massachusetts Institute of Technology, 1941. (1941-1978, 1980)

FREDERICK K. READ, Visiting Instructor in Architecture. B.Arch., Univ. of Notre Dame, 1976. (1980)

ELLEN E. REED, Adjunct Associate Professor of Electrical Engineering. B.A., Gonzaga Univ., 1962; M.A., Univ. of Colorado at Boulder, 1964; Ph.D., *ibid.*, 1966. (1978)

DENNIS H. REID, Adjunct Assistant Professor of Psychology. B.A., Wabash College, 1971; M.S., Florida State Univ., 1972; Ph.D., *ibid.*, 1975. (1980)

RONALD M. SOSKIN, Adjunct Instructor in Psychology. B.S., Univ. of Pennsylvania, 1970; J.D., *ibid.*, 1973. (1980)

JOHN W. STAMPER, Adjunct Assistant Professor of Architecture. B.S.A.S., Univ. of Illinois, 1973; M.Arch., *ibid.*, 1975; M.Arts, William College, 1977. (1980)

ROBERT W. THOMSON, Adjunct Assistant Professor of Management. B.A., Wooster, 1958; B.S., M.I.T., 1958; M.B.A., Univ. of Michigan, 1959; Ph.D., Purdue Univ., 1964. (1978, 1980 Spring Semester)

JOHN P. THURIN, Adjunct Instructor in Marketing. A.B., Univ. of Notre Dame, 1959. (1980)

JOYCE M. WEGS, Adjunct Assistant Professor of English. B.S., Western Illinois Univ., 1964; M.A., Univ. of Illinois, 1968; Ph.D., *ibid.*, 1973. (1979, 1980 Spring Semester)

RONALD WEISS, Adjunct Assistant Professor of Marketing. B.S., Arizona State Univ., 1958; M.S., *ibid.*, 1959; Ph.D., Michigan State Univ., 1964; M.B.A., *ibid.*, 1967. (1980)

MARILYN WITTE, Adjunct Instructor in Music. B.M., Indiana Univ., 1974; M.M., *ibid.*, 1979. (1980)

DONALD N. YATES, Assistant Faculty Fellow in the Medieval Institute. B.A., Stetson Univ. in Florida, 1970; A.M., Duke Univ., 1972; Ph.D., Univ. of North Carolina, 1979. (1980)

# advanced studies

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## information circulars

Additional information on all circulars listed below may be obtained by calling the following extensions:

- Extension 7432, for information on federal government programs.
- Extension 7433, for information on private foundations, corporations and state agencies.

### Fogarty International Center Senior International Fellowships

No. FY80-406

Applications for 1981-82 Senior International Fellowships from the Fogarty International Center should be submitted by Oct. 1. Awards are for periods of three-12 months for research and study in the health sciences at a foreign host institution. Applicants must be U.S. citizens or permanent residents, they must have full-time appointments at U.S. institutions as well as at least five years' experience beyond the doctorate and they must possess linguistic skills appropriate to the host institution.

Awards fall into two areas: (1) Special Fields Fellowships in aging, arthritis, diabetes, epilepsy or tropical diseases, and (2) General Fellowships. Awards include a stipend, transportation and foreign living allowances and an allowance for the host institution.

### United States International Communication Agency Support of International Educational and Cultural Activities

No. FY80-407

#### Program:

The International Communication Agency is interested in projects that assist Americans to increase their knowledge of other nations and cultures. USICA works with the educational community in outreach programs designed to help a cross-section of Americans understand other societies. The emphasis is on reaching leaders, people and organizations with potential to enhance the understanding of broader groups of Americans. Interaction of Americans with non-Americans is an important part of the learning process.

#### Program Categories:

- \* Advancing basic cultural knowledge.
- \* Programs to assist broad groups of Americans to increase their basic cultural knowledge of other nations and regions.
- \* Enhancing the international competency of leaders.
- \* Programs to enhance the capacity of Americans in positions of public and private leadership to understand and deal effectively with other nations and societies.
- \* Encouraging an international perspective.
- \* Programs designed to encourage American institutions, professional organizations and private voluntary organizations to add an international dimension to their members' understanding and work.

**Deadline:**

Proposals for projects which are to begin between Nov. 1, 1980 and April 30, 1981, should be submitted by Sept. 1, 1980.

**Guidelines:**

For a copy of proposal guidelines, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433.

**Metropolitan Life Foundation  
Student Health Grants**

No. FY80-408

**Program:**

The University student community is a prime milieu for learning about coping with health matters such as diet and exercise; smoking, alcohol and drug use; stress and mental health; family planning and sexually transmissible diseases; and risk taking behavior leading to motor vehicle and other accidents. Existing services should be augmented and efforts be made to evaluate the effectiveness of services as well as students undertaken to assess the effectiveness of additional techniques and facilities. It is hoped that this program will encourage the concept of free and informed choices, as well as offer the student community opportunities to investigate and understand how attitudes and behavior influence lifestyle.

**Award:**

Awards of \$25,000 will be made to those colleges and/or universities which submit what are judged to be the best proposals for developing or expanding an organization, program, material and/or facility directed toward the health information and service needs of the student population. Proposals may be submitted by students or faculty members, as well as by members of the administration.

**Deadline:**

Sept. 20, 1980.

**Guidelines:**

For a copy of the guidelines, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433.

**Department of Energy  
Used Energy-Related Laboratory  
Equipment Grants**

FY80-409

**Program:**

Any nonprofit education institution of higher learning, such as a university, college, junior college, hospital and technical institute and museum, located in the United States and interested in establishing

or upgrading energy-oriented education programs in the life, physical and environmental sciences and engineering is eligible. An energy-oriented program is one that deals partially or entirely in energy-related topics.

Lists of equipment are available for review by educational institutions at any of the sites listed by DOE. These lists cannot be removed from the site premises. Continuous daily changes in the available equipment shown on them preclude duplication and distribution to an education institution. The responsibility for reviewing and locating specific equipment on these lists rests solely with the requesting institution, therefore, any telephone or locating equipment cannot be honored. Advance appointments should be made prior to a visit to one of the designated sites to review the equipment lists. A listing of DOE sites is available in OAS-DRSP.

After the equipment lists have been reviewed and specific equipment located and "earmarked," a proposal should be prepared for submission to designated DOE Field Offices. A listing of DOE Field Offices is available in OAS-DRSP.

The cost of care and handling incident to the grant must be borne by the institution; such costs normally consist of packing, crating, shipping and insurance and are limited to actual costs. Arrangements for shipment and the reimbursement of any of the aforementioned actual costs should be coordinated between the institution and each of the DOE installations responsible for the equipment; these arrangements should be initiated by the requesting institution within one week after receipt and acceptance of the grant by the institution.

Note: Responsibility for location of specific equipment rests within the requesting institution. Specific inquiries concerning equipment are to be directed to the office handling university relations at the DOE Field Offices. General inquiries may be made to the DOE's Education Programs Division, Washington, D.C. 20545. Proposals for the grant of specific equipment may be submitted by any college or university to the appropriate DOE Field Office.

**National Science Foundation  
Industry/University Cooperative  
Research Grants**

No. FY80-410

The National Science Foundation is charged, in part, with initiating and supporting basic and applied research and with appraising the impact of research programs upon industrial development and upon the national welfare. In response to those needs, the foundation is providing funding for the encouragement of

cooperative research between industry and universities and colleges.

The ties between these two segments of the national scientific and technological efforts need to be strong.

To encourage these ties, the National Science Foundation provides grants for the support of cooperative research projects between universities and industrial firms. To qualify for support, proposals must be prepared jointly by academic and industrial researchers and must be submitted jointly by their respective institutions. The research should focus on fundamental scientific questions of a basic or applied nature rather than on technological development.

Inquiries concerning support for cooperative research efforts may be directed to:

Dr. Frederick Betz  
Industry/University Cooperative  
Research Program  
National Science Foundation  
Washington, D. C. 20550  
Telephone: (202) 357-7784/7785

Detailed guidelines are available in the Office of Advanced Studies - Division of Research and Sponsored Programs.

### **National Endowment for the Arts Museum Training**

No. FY80-411

#### Program:

Matching grants of up to \$60,000 for one year to museums and universities for the preparation of well-trained museum professionals and technicians. Priority will be given to proposals which specifically include training for people from minority groups. Generally, the following types of projects will be considered for assistance:

- Formal Training Programs: A limited number of graduate level programs in curatorial training, museum administration or museum education that are conducted jointly by museums and universities; a few undergraduate programs, especially those directed toward minorities or special disciplines.

- Internships: Internships or other professional training provided by a museum. Specific programs designed to advance staff professionally will also be considered.

- Apprenticeships: Programs of in-house training to prepare apprentices for museum positions such as installers, preparators, framers, packers and carpenters.

#### Deadline:

Sept. 29, 1980

#### For Further Information, Contact:

National Endowment for the Arts  
Museum Program  
Program Information Office  
2401 E Street, N. W.

Washington, DC 20506  
(202) 634-6164

(From 1980 ARIS)

### **National Endowment for the Arts Fellowships for Museum Professionals**

No. FY80-412

#### Program:

Grants of up to \$20,000 to professional members of museum staffs for leaves of absence ranging from one to 12 months to conduct independent study or research, travel, write, engage in community projects or in other ways improve professional qualifications. Eligibility includes professional museum staff members of exceptional talent in areas such as administration, curatorial work, conservation or education. Proposals must be for specific projects and must clearly demonstrate how the leave of absence will improve the applicant's professional qualifications. Proposals directly related to a project of the employing institution should be made by the institution under the appropriate funding category and not by the individual. Fellowships are not awarded to cover study or research directed toward a graduate degree or expenses while enrolled in formal courses of study, workshops, seminars or conferences.

#### Deadline:

None

#### For Further Information, Contact:

National Endowment for the Arts  
Program Information Office  
2401 E Street, N.W.  
Washington, DC 20506

(From 1980 ARIS)

### **National Endowment for the Arts Services to the Field**

No. FY80-413

#### Program:

Matching grants of up to \$30,000 for a period of one year for services to the field such as research, publications (other than periodicals), workshops and seminars. Museums, museum association and arts agencies of state, regional or national scope may apply. Projects should be of national or regional impact. Applications for funds to conduct research must demonstrate that this is new research and that the results of the research will be published. Applications are accepted throughout the year and reviewed quarterly.

#### Deadline:

None

#### For Further Information, Contact:

National Endowment for the Arts  
Program Information Office  
2401 E Street, N.W.  
Washington, DC 20506

(From 1980 ARIS)



## National Endowment for the Arts Residencies

No. FY80-414

### Program:

Matching grants of no more than \$3,000 to enable art schools, university art departments and other arts and community organizations to invite artists, critics, photographers and craftsmen of national reputation to instruct and work with students and faculty for short periods of time. Project costs should include only artists' fees, subsistence, travel expenses and other expenses directly associated with the residency. Preference will be given to inventive ways of bringing about contact between artist and student, for example, engaging students as assistants in a project, or making the creation of the work of art an integral part of the teaching situation.

### Deadline:

Sept. 1, 1980.

### For Further Information, Contact:

National Endowment for the Arts  
Visual Arts  
Program Information Office  
2401 E Street, N.W.  
Washington, DC 20506  
(202) 634-1566

(From 1980 ARIS)

## Academy of American Poets The Walt Whitman Award

No. FY80-415

### Program:

One award of \$1,000 plus publication for a book-length manuscript of original poetry by an American citizen. Applicants may never have had a book of poems of more than 40 pages published in an edition of more than 500 copies. Applicants must submit an official entry form, obtainable at the academy, along with their manuscript.

### Deadline:

Sept. 15, 1980 to Nov. 15, 1980.

### For Further Information, Contact:

Academy of American Poets  
1078 Madison Avenue  
New York, NY 10028  
(212) 988-6783

(From 1980 ARIS)

## American Council of Learned Societies Fellowships

No. FY80-416

### Program:

Stipends of up to \$13,500 to scholars with the doctorate or its equivalent for research in humanistic fields. Fellows must be able to devote a minimum of six continuous months (up to a maximum of 12) to a full-time work on their proposals. Applicants must be citizens or permanent residents of the U.S. or

Canada, and must not be more than 50 years of age at the time of the application deadline. Awards are intended primarily for the provision of free time, although amounts for travel, for clerical or research assistance or for reproduction or purchase of materials are allowable. Support of dependents may be included.

### Deadline:

Sept. 30, 1980.

### For Further Information, Contact:

American Council of Learned Societies  
Helen Goldsmith  
Office of Fellowships & Grants  
800 Third Avenue  
New York, NY 10022  
(212) 888-1759

(From 1980 ARIS)

## American Council of Learned Societies Research Fellowships for Recent Recipients of the Ph.D.

No. FY80-417

### Program:

Grants of up to \$7,000 for a minimum of 4½ months of full research in the humanities. The program is limited to scholars whose Ph.D. degrees were awarded after Jan. 1, 1978.

\* For all ACLS programs, a letter of inquiry is required for recipient of application forms. The letter should state the year of the applicant's Ph.D., his or her subject of research, his or her field of interest and the period for which he or she is requesting support.

### Deadline:

Sept. 30, 1980.

### For Further Information, Contact:

American Council of Learned Societies  
Helen Goldsmith  
Office of Fellowships & Grants  
800 Third Avenue  
New York, NY 10022  
(212) 888-1759

(From 1980 ARIS)

## Carolina Quarterly Contest in Fiction and Poetry for New Writers

No. FY80-418

### Program:

Three awards in Fiction (\$200, \$125 and \$75) and Poetry (\$150, \$100 and \$50) plus publication for original unpublished work by authors who have not as yet published a book-length manuscript in their field of entry. Fiction manuscripts may not exceed 6,000 words.

**Deadline:**  
Sept. 15, 1980 to Dec. 15, 1980.

**For Further Information, Contact:**

Carolina Quarterly  
Dorothy Hill, Editor  
Greenlaw Hall 066-A  
University of North Carolina  
Chapel Hill, NC 27514  
(919) 933-0244

(From 1980 ARIS)

**Dragon's Teeth Press  
Living Playwrights Competition**

**No. FY80-419**

**Program:**

- Poetic Drama Award - One award of \$500 plus publication by the press for a play written in any poetic form, experimental or traditional, in either free or metric verse. The play, whose leading character must be a figure in world history (from ancient to modern), should require only one set, 24-hour action and from two to 12 characters. Manuscripts may run from 30-90 pages.

- Essay Award - Three awards, \$150 first prize, \$100 second prize and \$50 third prize, for the best essays on the topic, Great Subjects for Poetic Drama in American History.

**Deadline:**  
Sept. 15, 1980.

**For Further Information, Contact:**

Dragon's Teeth Press  
Cornel Lengyel, Director  
El Dorado National Forest  
Georgetown, CA 95634

(From 1980 ARIS)

**Harian Creative Press-Adirondack  
Metroland Writers and Educators Conference  
Fiction Award**

**No. FY80-420**

**Program:**

Award of publication plus \$500 in copies for a previously unpublished manuscript (3,000-20,000 words). Preference is given to fiction that is strong in characterization and plot and written in a functionally suitable style. "Obscenity, violence and scrambled writing are not encouraged to be submitted." All submitted manuscripts are considered for publication by the Harian Creative Press.

**Deadline:**  
None

**For Further Information, Contact:**

Harian Creative Press-Adirondack Metroland  
Writers and Educators Conference

47 Hyde Boulevard  
Ballston Spa, NY 12020  
(518) 885-7397

(From 1980 ARIS)

**The Institute of Early American  
History and Culture  
The Jamestown Prize**

**No. FY80-421**

**Program:**

One award of \$1,500 plus publication by the University of North Carolina Press for the best book-length, scholarly manuscript on early American history or culture. The competition is open only to authors who have never published a book. The subject of the manuscript must pertain to America before 1815 or to the related history of the British Isles, Europe, West Africa or the Caribbean.

**Deadline:**  
Sept. 30, 1980.

**For Further Information, Contact:**

The Institute of Early American History and  
Culture  
Editor of Publications  
Box 220  
Williamsburg, VA 23185  
(804) 229-2771

(From 1980 ARIS)

**Iowa School of Letters  
Award for Short Fiction Collection**

**No. FY80-422**

**Program:**

One award of \$1,000 plus publication by the University of Iowa Press for a collection of short stories by an author who has not previously published a volume of short fiction. Manuscripts must be at least 150 pages long and may include stories which have previously been published individually in periodicals.

**Deadline:**  
Sept. 30, 1980.

**For Further Information, Contact:**

Iowa School of Letters  
Department of English  
University of Iowa  
Iowa City, IA 52242  
(319) 353-4986

(From 1980 ARIS)

**Japan-United States Friendship Commission  
Grants**

**No. FY80-423**

**Program:**

Grants of varying amounts are offered to cultural

and educational institutions in the United States and Japan, and, in the case of creative artists, to individuals, for scholarly, cultural and artistic activities designed to enhance friendship and people-to-people understanding between the United States and Japan. Projects include language and area studies, book collections, arts exchanges, fellowships and art exhibitions.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

Japan-United States Friendship Commission  
1875 Connecticut Ave., NW  
Suite 709  
Washington, DC 20009  
(202) 673-5295

(From 1980 ARIS)

**Longy School of Music  
Scholarships in Instrumental Study**

No. FY80-424

Program:  
Several scholarships covering full or partial tuition for one year's study at the school. Scholarships are renewable.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

Longy School of Music  
1 Follen Street  
Cambridge, MA 02138

(From 1980 ARIS)

**Loyola University of the South  
The Bultman Award**

No. FY80-425

Program:  
One award of \$100 plus a staged reading for the best original, unpublished and professionally unproduced play under an hour in length by a student who is a currently enrolled graduate or undergraduate. Applicants must be recommended by a member of the faculty of their college or university.

Deadline:  
Applications are accepted between Sept. 1, 1980 and Dec. 1, 1980.

For Further Information, Contact:

Loyola University of the South  
Ernest Ferlita, Chairman  
Department of Drama and Speech  
New Orleans, LA 70118

(From 1980 ARIS)

**Lutheran World Federation  
International Scholarship  
and Exchange Program**

No. FY80-426

Program:  
Up to five awards covering transportation, maintenance, tuition and incidentals for the graduate study of theology or the undertaking of internships or interdisciplinary research in Europe, Latin America, Asia or Africa. Applicants must be American citizens who are recommended by a Lutheran church. Inquiries should be addressed to Ms. Pat Hayden, Lutheran World Ministries, 360 Park Avenue South, New York, NY 10010. Phone: (212) 532-6350.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

Lutheran World Federation  
150 route de Ferney  
1211 Geneva 20  
Switzerland

(From 1980 ARIS)

**Manufacturer's Hanover Trust  
The George Jean Nathan Award  
for Dramatic Criticism**

No. FY80-427

Program:  
An award of \$5,000 given annually for the best piece of drama criticism written by an American citizen during the theatrical year (July 1 to June 30). Drama criticism that has been broadcast on television or radio programs is eligible, as are articles, essays, treatises or books.

Deadline:  
Sept. 20, 1980.

For Further Information, Contact:

Manufacturer's Hanover Trust  
600 Fifth Avenue  
New York, NY 10020  
(212) 957-1400

(From 1980 ARIS)

**Memorial Foundation for Jewish Culture  
Scholarships and Fellowships**

No. FY80-428

Program:  
Scholarships and fellowships ranging from \$1,000 to \$1,500 for work in Jewish studies by doctoral students, postbaccinical students, writers, artists and other scholars. Amount of support depends upon the cost of living in the grantee's country of residence. Institutional grants are made to universities, institutes and specialized agencies for specific projects of limited duration (usually for research or publication) and not for continuing programs. Such grants

vary in amount according to the budget of each project, but do not in any case exceed a fraction of the total cost, usually up to 25%, excluding overhead.

Deadline:

Institutional Applications: Sept. 30, 1980.  
Individual Applications: Nov. 30, 1980.

For Further Information, Contact:

Memorial Foundation for Jewish Culture  
15 East 26th Street  
New York, NY 10010  
(212) 679-4074

(From 1980 ARIS)

**Ministry of Education (Japan)  
Mombusho Scholarships**

No. FY80-429

Program:

Grants covering tuition, transportation and a stipend of about \$700 per month, for two and one-half years of study in Japan. Applicants must be American citizens under 35 who are university graduates. Candidates from all fields are encouraged to apply. However, the proposed course of study in Japan must be closely related to the candidate's field of study in the U.S. Knowledge of the Japanese language is essential. Application should be made through the applicant's local Japanese consulate. Further information can be obtained from the Japan Information Center, Consulate-General of Japan, 153 E. 53rd St., 44th Floor, New York, NY 10022, Phone: (212) 986-1600.

Deadline:

Sept. 30, 1980

For Further Information, Contact:

Ministry of Education (Japan)  
2-2 3-chome Kasumigaseki  
Tokyo  
Japan

(From 1980 ARIS)

**Ministry of Higher Education (Morocco)  
Study, Research and Exchange Scholarships**

No. FY80-430

Program:

Scholarships payable in Moroccan currency for study at any university or technical institute in the country. Applicants must be at least 17 and must be citizens of a country having a cultural agreement with Morocco.

Deadline:

Aug. 31, 1980.

For Further Information, Contact:

Ministry of Higher Education  
(Morocco)

Department of Scholarships  
and Student Affairs  
Rabat  
Morocco

(From 1980 ARIS)

**New Dance Group Studio, Inc.  
Scholarships**

No. FY80-431

Program:

Scholarships covering either full or partial tuition for one year's study at the studio; scholarships are renewable. Applicants must be able to demonstrate ability as potential professional dancers or dance teachers.

Deadline:

Sept. 15, 1980.

For Further Information, Contact:

New Dance Group Studio, Inc.  
254 West 47th Street  
New York, NY 10036

(From 1980 ARIS)

**National Federation of Music Clubs  
Award Program for Summer Music Festivals  
and Centers**

No. FY80-432

Program:

One award of \$500 for the performance and promotion of American music at summer music festivals. Application is open to summer music festivals, centers and camps in the United States. Inquiries should be addressed to Mrs. George Scruggs, Summer Festivals Chairman, 3357 Pasley Avenue, S.W., Roanoke, VA 24015.

Deadline:

Sept. 1, 1980.

For Further Information, Contact:

National Federation of Music Clubs  
Suite 1936  
310 South Michigan Avenue  
Chicago, IL 60604  
(312) 427-3683

(From 1980 ARIS)

**The National Orchestral Association  
Fellowships for Graduate  
Orchestral Training**

No. FY80-433

Program:

Fellowships of \$1,050 to \$1,750, granted on audition only, to musicians with proficiency on an orchestral instrument for advanced orchestral training not available elsewhere. The program lasts seven months (October through May). Fellowships are renewable for

two years on reaudition.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

The National Orchestral Association  
Mrs. Lois Schweitzer, Executive Director  
111 West 57th St., Room 1500  
New York, NY 10019  
(212) 247-1228

(From 1980 ARIS)

### **Eugene O'Neill Memorial Theater Center National Playwrights Conference**

No. FY80-434

Program:  
Sixteen stipends of \$200 plus room and board to enable playwrights to attend the month-long playwrights' conference (July-August) and work with other theater professionals. Playwrights should submit only original, previously unproduced scripts for either the theater (New Plays Program) or television (New Drama for Television Program). All plays selected will be eligible for the ABC Theater Award of \$10,000 and first option to negotiate for television rights with ABC Television.

Deadline:

Sept. 15, 1980 is the earliest possible date for submission of plays. Plays may be submitted up to Dec. 1, 1980.

For Further Information, Contact:

Eugene O'Neill Memorial  
305 Great Neck Road  
Waterford, CT 06385  
(203) 443-5378

(From 1980 ARIS)

### **Open Circle Theater Playwrights Prize**

No. FY80-435

Program:  
One award of \$200 plus production and residency expenses for the best original, unproduced full-length play that provides at least half of its major roles to women. There is no limitation on subject matter.

Deadline:  
Applications are accepted from Sept. 1, 1980, through Dec. 31, 1980.

For Further Information, Contact:

Open Circle Theater  
Barry Knower, Director  
Goucher College  
Dulaney Valley Road  
Towson, MD 21204

(From 1980 ARIS)

### **Regional Economy History Research Center Research Fellowships**

No. FY80-436

Program:  
Senior postdoctoral fellowships of a maximum of \$20,000 per year, junior postdoctoral fellowships of a maximum of \$15,000 per year and doctoral fellowships of a maximum of \$4,500 per year for research in the economic history of the Mid-Atlantic states, 1750-1850. The project focuses on the transition from an agrarian to early industrial, urban society, with particular attention to the social consequences of that transition. The center invites the participation of economic, social and intellectual historians, as well as of historians of science and technology, agriculture and labor; anthropologists; economists; sociologists; and geographers. Researchers will be in residence at the Eleutherian Mills Historical Library. The center also offers grants for stays of less than a semester and for summer visits. These grants will be available through June 30, 1982.

Deadline:  
Sept. 15, 1980 deadline is for consideration at the center's advisory board fall meeting.

For Further Information, Contact:

Regional Economic History Research Center  
Glenn Porter  
Eleutherian Mills-Hagley Foundation  
Box 3630  
Wilmington, DE 19807  
(302) 658-2401

(From 1980 ARIS)

### **Rochester Civic Theatre Playwright '80 Competition**

No. FY80-437

Program:  
One award of \$1,000 plus production and residency expenses for the best new play submitted by an American author. These will also be small consolation prizes awarded to the runners-up.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

Rochester Civic Theatre  
David B. Richardson  
Box 3  
Mayo Park  
Rochester, MN 55901

(From 1980 ARIS)

### **Rothmans University Endowment Fund University Endowment Fund**

No. FY80-438

Program:

Fellowships of Aus\$12,255 per year, plus fees and expenses, for citizens of all countries with at least three years of postgraduate research experience. Fellowship recipients are expected to provide assistance with the development of postgraduate studies at Australian universities. Applications are accepted in any field.

Deadline:  
Sept. 15, 1980.

For Further Information, Contact:

Rothmans University Endowment Fund  
H. McCredie, Secretary  
c/o The University of Sydney  
Sydney, New South Wales  
Australia 2006  
692-1122

(From 1980 ARIS)

### **Society for Italian Historical Studies SIHS Award**

No. FY80-439

Program:  
One award of \$200 for the best unpublished article or dissertation-length study of Italy by a Canadian or American scholar who is under 35 and beginning a career in Italian history.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

Society for Italian Historical Studies  
Alan J. Reinerman  
History Department  
Boston College  
Chestnut Hill, MA 02167  
(617) 969-0100

(From 1980 ARIS)

### **Society for Italian Historical Studies Howard and Helen R. Marraro Prize**

No. FY80-440

Program:  
One award of \$300 for the best published book or article on Italian cultural history by a Canadian or American scholar.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

Society for Italian Historical Studies  
Alan J. Reinerman  
History Department  
Boston College  
Chestnut Hill, MA 02167  
(617) 969-0100

(From 1980 ARIS)

### **University Women's Association of Nagpur Scholarship**

No. FY80-441

Program:  
One scholarship of 250 rupees per month tenable for two years at Nagpur University to enable a woman graduate of a recognized university to study in India.

Deadline:  
Sept. 1, 1980.

For Further Information, Contact:

University Women's Association of Nagpur  
Mrs. I. Kelkar  
240 Shankarnager  
Nagpur 440010  
India

(From 1980 ARIS)

### **Yeungnam University Scholarships**

No. FY80-442

Program:  
Ten scholarships of \$1,680 for two years of study at the university in fields including Korean language and literature. All foreign students are tuition exempt. Application must be made on behalf of the student by the head of his/her institution.

Deadline:  
Sept. 30, 1980 deadline is for spring semester.

For Further Information, Contact:

Yeungnam University  
Gyongsan, 632  
Korea  
Daego 8-2311 through 2337

(From 1980 ARIS)

### **National Science Foundation National Institute of Education The Improvement of Mathematics Education Using Information Technology**

No. FY80-443

Program:  
The primary goal of this effort is the improvement of mathematics education using information technology. This includes projects which address applications of mathematics within the sciences.

1. Observations on the goals of the program:
  - a. Proposals should address national (not local) concerns in an imaginative, creative (even artistic) fashion.
  - b. Proposals are encouraged that explore the use of information technology in teaching and learning completely new content areas or radically re-

structured traditional topics in precollege mathematics.

c. Proposals are encouraged that have potential for making advances by anticipating the capabilities of the next generation of information technology and by using our best current knowledge of:

- 1) how children learn in classroom settings;
- 2) how humans process information; and
- 3) the instructional effects of color and motion.

d. Proposals are also encouraged that address the concerns of traditionally underserved groups, such as women, minorities and the physically handicapped.

Deadline:

Aug. 19, 1980.

Program guidelines for this program, SE 80-59 may be obtained by writing to the National Science Foundation, Washington, D.C. 20550.

(From 1980 ARIS)

**Department of Transportation  
Faculty Fellow Program at the  
Transportation Systems Center**

No. FY80-444

Program:

Faculty members with expertise in transportation systems analysis, engineering and economics, human factors, psychology, sociology, and business, computer science, operations research, mathematics, management sciences and other disciplines are encouraged to apply for 12-month residencies at the Transportation Systems Center. Other time periods of residency can be arranged to suit individual schedules and preferences.

Deadline:

None

For Further Information, Contact:

Department of Transportation  
Research and Special Programs Administration  
Transportation Systems Center  
George K. Megerian, Faculty Fellow  
Program Coordinator  
Kendall Square  
Cambridge, MA 02142  
(617) 494-2718

(From 1980 ARIS)

**National Endowment for the Humanities  
Research Conferences**

No. FY80-445

Program:

Grants to support conferences, symposia and workshops designed to assess and communicate current research needs and directions and to make plans to improve conditions for research.

Deadline:

Sept. 15, 1980.

For Further Information, Contact:

National Endowment for the Humanities  
806 15th Street  
Washington, DC 20506  
Division of Research  
Harold Cannon, Director  
(202) 724-0226

(From 1980 ARIS)

**National Endowment for the Humanities  
State, Local and Regional Studies**

No. FY80-446

Program:

Grants of varying amounts to support both individual and collaborative projects that involve the preparation of materials, collection of resources and the production and dissemination of studies in the field of state, regional and local history. The program supports projects that are useful both to professional scholars and to members of historical societies and organizations, museums and other groups concerned with the study of the nation's heritage. Special attention is given to projects which encourage cooperation between academic humanists and community professionals.

Deadline:

Sept. 1, 1980

For Further Information, Contact:

National Endowment for the Humanities  
806 15th Street  
Washington, DC 20506  
Division of Research  
Harold Cannon, Director  
(202) 724-0226

(From 1980 ARIS)

**Fellowship Program  
Fellowship Program**

No. FY80-447

Program:

Stipends of \$2,480 plus round-trip air fare to Washington, DC, for a 13-week program, to individuals interested in becoming acquainted with the policies, procedures and operations of endowment and developing an overview of arts agencies in the U.S. Applicants must be sponsored by a college or university, state arts agency or other nonprofit arts organization. Participants are selected on the basis of academic background and prior professional experience. Generally 2-3 years of professional work experience, or an advanced degree is recommended. Each intern is assigned to one NEA program division or office throughout the 13-week program. Interns spend approximately two-thirds of their time working as members of the professional staff to gain a functional view of NEA

and to assist the program in daily operations. Activities include work with grant applications, panel review sessions and special projects. The rest of the activities include guest speaker seminars, field trips, panel meetings and the National Council on the Arts meeting.

Deadline:  
Sept. 5, 1980.

For Further Information, Contact:

Fellowship Program  
(202) 634-6380

(From 1980 ARIS)

### **American Council of Learned Societies Mellon Fellowships for Chinese Studies: Travel Grants**

No. FY80-448

Program:

Travel grants to enable American scholars to attend scholarly research conferences in the People's Republic of China and to Chinese scholars to attend scholarly research conferences and workshops in the U.S. Eligible conferences should focus on some aspect of Chinese society or culture, and the scholars supported must be specialists in a facet of these subjects. Applications should include as much as possible about the name and topic, date, location, participants and sponsorship of the conference, plus a brief description of the applicant's scholarly interests and his or her proposed role in the conference. Awards will probably cover no more than the basic cost of direct air fare.

Deadline:  
Sept. 15, 1980 - for conferences convening between Oct. 1980 and Jan. 1981.

For Further Information, Contact:

American Council of Learned Societies  
Office of Fellowships and Grants  
Dr. J. H. Parker  
800 Third Avenue  
New York, NY 10022

(From 1980 ARIS)

### **American Historical Association Helen and Howard R. Marraro Prize**

No. FY80-449

Program:

Two awards of \$500 and one of \$300 for the best book or article published between June 1, 1979 and June 1, 1980 that treats of Italian history in any epoch, of Italian cultural history or of Italian-American relations. Competitors must be resident citizens of the U.S. or Canada.

Deadline:  
Sept. 20, 1980.

For Further Information, Contact:

American Historical Association  
400 A Street SE  
Washington, DC 20003

(From 1980 ARIS)

### **North Atlantic Treaty Organization Study Visits**

No. FY80-450

Program:

Grants to allow scientists to visit scientists and/or institutions of other NATO countries with the objective of securing expert advice and discussing specific problems related to fields in the state system science area (Systems Analysis, Operational Research, Management Research, Systems Engineering, Cybernetics, etc.). Eligible applicants are nationals of NATO countries who have need for expert advice in connection with a research project and a well-defined problem. Applicants must have sufficient background to rapidly acquire useful skills in the application of specific systems science techniques to the problems in question and possess a good speaking knowledge of the country he/she wishes to visit.

Deadline:  
Aug. 31, 1980.

For Further Information, Contact:

North Atlantic Treaty Organization  
NATO Science Committee Special Program Panel on  
Systems Science  
NATO Headquarters  
1110 Brussels, Belgium

(From 1980 ARIS)

### **American Lung Association Research Grants**

No. FY80-451

Program

The American Lung Association offers research grant support in its area of interest, the prevention and control of lung disease. The research may be laboratory, clinical, epidemiological, social or other but must be relevant to lung disease.

These research funds are considered postgraduate seed money for support of young, not established, investigators.

Research support is in the \$10,000-15,000 range, for one- or two-year projects. Funding ratio is approximately one out of every six.

Deadline:  
Applications for the grant year beginning July 1, 1981 must reach the Association by Nov. 1, 1980.

For Further Information, Contact:

American Lung Association  
Director of Medical Affairs  
1740 Broadway  
New York, NY 10019



**American Lung Association  
Institution Pediatric and Adult  
Pulmonary Disease Training Grants**

No. FY80-452

**Program:**

The American Lung Association provides funds to institutions which have training resources for a fellowship in the field of prevention and control of pediatric or adult lung disease. The program is to provide seed money for training programs which otherwise are unable to achieve sufficient financial support for a first fellow to be accepted in the program. The objective is to stimulate the development of training programs, not already established, for the training of teachers, scientific investigators and clinicians in the field of pediatric and adult lung disease.

Awards are for the stipend of one fellowship at not more than \$14,000 per year for three years. Completed applications must be received by Oct. 1, 1980.

**Deadline:**

Oct. 1, 1980.

**For Further Information, Contact:**

American Lung Association  
Director of Medical Affairs  
1740 Broadway  
New York, NY 10019

**American Lung Association  
Fellowships**

No. FY80-453

**Program:**

**Edward Livingston Trudeau Fellowships:**

Edward Livingston Trudeau Fellowships are awarded to physicians who have completed graduate training in the field of lung disease and who have appointments in medical schools. The fellowships are intended to give promising instructors an opportunity to stay in academic medicine, as teachers and investigators. Awards are up to \$15,000. Completed applications must be received by Oct. 1, 1980.

**Training Fellowships:**

Training Fellowships are directed toward a career in the prevention and control of lung disease, preferentially to physicians entering the second or later year of residency in Internal Medicine, Pediatrics, Thoracic Surgery or other specialties; and to individuals holding the degree of M.D., Ph.D. or Sc.D., or others with comparable qualifications. Awards are up to \$14,000. Completed applications must be received by Oct. 1, 1980.

**Nursing Fellowships in Respiratory Disease:**

Nursing Fellowships are awarded to graduates of baccalaureate nursing schools. Awards are up to \$6,000. Completed applications must be received by April 1981.

**For Further Information Contact the Following:**

American Lung Association  
Director of Medical Affairs  
1740 Broadway  
New York, NY 10019

**current publications and  
other scholarly works**

**COLLEGE OF ARTS AND LETTERS**

**Communication and Theatre**

Lifton, Mitchell

M. Lifton. 1980. Whatever Happened to Falstaff? Commentary 2(5):26-28.

**Economics**

Gaertner, James F.

J. F. Gaertner and N. Rueschhoff. 1980. La Dimension Culturelle de la Comptabilite Internationale. CA Magazine 113(5):40-43.

Keating, Barry

B. Keating. 1980. Information Inputs as Influences on Efficient Consumer Decision-Making. The Journal of Consumer Affairs 14(1):244-247.

**Philosophy**

McInerny, Ralph

R. McInerny. 1979. Albert On Universals. The Southwestern Journal of Philosophy 10(3):3-18.

R. McInerny. 1980. Thoughts on (Nicholas) Wolterstorff's Theory and praxis. Christian Scholars 9(4):335-336.

**Psychology**

Ryan, Ellen B.

E.B. Ryan. 1980. Metalinguistic development and reading. Pages 38-59 in, L. H. Waterhouse, K. M. Fischer, and E. B. Ryan, eds., Language Awareness and Reading. International Reading Association. Newark, Delaware.

E.B. Ryan and M.A. Carranza. 1980. Language and Other Cultural Attitudes of Bilingual Mexican-American Adolescents. Ethnicity 7:191-202.

D.M. Scholl and E.B. Ryan. 1980. Metalinguistic Performances During the Early School Years. Language and Speech 23(2):199-211.

**COLLEGE OF SCIENCE**

**Chemistry**

Hamill, William H.

\* W.H. Hamill. 1980. Excess-electron energy levels, localization and transport in disordered media. Japanese Society of Radiation Chemistry 15:34-41.

\* M.N. Pisanias and W.H. Hamill. 1980. Anomalous high-field electron injection and photoconduction in thin-film alkali halides. Journal of Applied Physics 51:1569-1575.

Kozak, John J.

\* M.D. Hatlee and J.J. Kozak. 1980. A stochastic approach to the theory of intramolecular kinetics. 1. Master equation for irreversible reactions. Journal of Chemical Physics 72(8):4358-4367.

- Labinger, Jay A.  
J. Schwartz and J.A. Labinger. 1980. Patterns in organometallic chemistry with application in organic synthesis. Journal of Chemical Education 57:170-175.
- Levanon, Haim  
\* U. Eliav, and H. Levanon. 1980. Formation of pairs in rubidium-tetrahydrofuran crown ether solutions. Journal of Physical Chemistry 84:842-847.

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\*Under the Radiation Laboratory  
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#### Mathematics

- Dekster, Boris V.  
B.V. Dekster. 1980. The Length of a Curve in a Space of Curvature  $\leq K$ . Proceedings of the American Mathematical Society 79(2):271-278.
- Stoll, Wilhelm  
W. Stoll. 1980. The Characterization of Strictly Parabolic Manifolds. Annali di Pisa 4(7):87-154.

#### Microbiology

- Chan, Sham-Yuen  
S.Y. Chan and M. Pollard. 1980. Metastasis-Enhancing Effect of Heparin and Its Relationship to a Lipoprotein Factor. Journal of National Cancer Institute 64(5):1121-1125.

#### COLLEGE OF ENGINEERING

##### Aerospace and Mechanical Engineering

- Daschbach, James M.  
J.M. Daschbach and E.W. Henry. 1980. Computerized Video Work Measurement. Computers and Industrial Engineering 4(1):13-18.

##### Chemical Engineering

- Strieder, William C.  
T. Joy, P. Ajmera and W. Strieder. 1980. Effect of Thickness on Single-Ply Percolation and Conductivity. Journal of Composite Materials 14:130-141.

#### COLLEGE OF BUSINESS ADMINISTRATION

##### Accountancy

- Gaertner, James F.  
J. F. Gaertner and Norlin Rueschhoff. 1980. Cultural Barriers to International Accounting Standards. CA Magazine, Canadian Institute of Chartered Accountants. 113(5):36-40.

##### Management

- Vecchio, Robert P.  
R.P. Vecchio. 1980. The Function and Meaning of Work and the Job: Morse and Weiss (1955), Revisited. Academy of Management Journal 23(2):361-367.

#### LAW SCHOOL

- Ripple, Kenneth F.  
K.F. Ripple. 1980. Thurgood Marshall and the Forgotten Legacy of Brown v. Board of Education. Notre Dame Lawyer 55:471-484.
- K.F. Ripple and M.A. Murphy. 1980. An analysis of Reeves Inc. v. Kelley et al, 79-677. Preview of United States Supreme Court Cases October Term 1979. 36:11-12.
- Thornton, Peter W.  
P. W. Thornton. 1980. The Eleventh Amendment: An Endangered Species. Indiana Law Journal 55(2):293-348.

#### RADIATION LABORATORY

- Chipman, Daniel M.  
\* D.M. Chipman, W.E. Palke and B. Kirtman. 1980. Are Bonds Bent? To What Extent Do Bond Orbitals Follow Nuclear Motions? Journal of the American Chemical Society 102:3377-3383.
- \* C.A. Venanzi, B. Kirtman and D.M. Chipman. 1980. Exchange perturbation theory for electron scattering. Elastic scattering from hydrogen atoms. Physical Review A 21(5):1443-1452.
- Ferraudi, Guillermo  
\* Guillermo Ferraudi and L. K. Patterson. 1980. Free Radical Reactions with Dimeric Cobalt(II) Sulphophthalocyanine. A Pulse Radiolytic Study. Journal of the Chemical Society P.476-480.
- Patterson, Larry K.  
\* Guillermo Ferraudi and L. K. Patterson. 1980. Free Radical Reactions with Dimeric Cobalt(II) Sulphophthalocyanine. A Pulse Radiolytic Study. Journal of the Chemical Society P.476-480.
- Raghavan, Neervalur V.  
\* N. Selvarajan, and N.V. Raghavan. 1980. Oxidation of hexachloroiridate(III) by OH. Evidence for both inner- and outer-sphere electron transfer pathways. Journal of the Chemical Society Chemical Communications 336-337.
- Scaiano, Juan C.  
\* M.V. Encinas, E.A. Lissi and J.C. Scaiano. 1980. Photochemistry of aliphatic ketones in polar solvents. Journal of Physical Chemistry 84(9):948-951.
- Srisankar, Elappulli V.  
\* E.V. Srisankar. 1980. Pulse and  $\gamma$ -Radiolysis of Nicket(II) Nitritotriacetate in Aqueous Solutions. Journal of the Chemical Society P.675-680.
- Steenken, S.  
\* N.V. Raghavan and S. Steenken. 1980. Electrophilic Reaction of the OH Radical with Phenol. Determination of the Distribution of Isomeric Dihydroxycyclohexadienyl Radicals. Journal of the American Chemical Society 102(10):3495-3499.
- Tripathi, G.N.R.  
\* G.N.R. Tripathi. 1980. The vibrational Exciton Spectrum of p-Nitrotoluene crystal film. Journal of Physical Chemistry Solids 41:551-560.

#### OFFICE OF DEAN OF ADMINISTRATION

- McCollester, Charles W.  
C.W. McCollester. 1980. The "Spitting Lyon" of Vermont. Pages 70-79 in, R. Parks, ed. The New England Galaxy, the Best of 20 Years from Old Sturbridge Village. The Globe-Pequot Press, Chester, Connecticut.

# monthly summary

## Awards Received

IN THE MONTH OF JUNE, 1980

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Mathematics	Nagano, Smyth	Lie groups and differential geometry	Natl. Sci. Fdn.	97,500 12
Electrical Eng.	Sain	Total synthesis algorithms for multivariable control systems	U.S. Navy	65,000 12
Microbiology - Lobund Lab.	Asano	Physiological aspects of senescence in germfree animals	Natl. Inst. Health	60,018 12
Cent. Study Man	Davisson, Beverly, Bonello	Effect of inflation related factors upon suppliers to U.S. Air Force	U.S. Air Force	50,000 12
Psychology	Borkowski, Ryan	Metacognition and intelligence: Educational implications	Natl. Inst. Educ.	53,000 12
Metallurgy	Kuczynski, Allen	Pore shrinkage and Oswald ripening in metallic systems	Dept. Energy	56,000 12
Chemical Eng.	Strieder	Transport in heterogeneous and porous media	Natl. Sci. Fdn.	52,605 12
Chemistry	Hayes	X-ray photoelectron spectroscopy of heme compounds	Natl. Inst. Health	66,357 12
Chemistry	Thomas	Photochemistry of organic molecules absorbed on clays	U.S. Army	59,000 12
Chemical Eng.	Schmitz	Gradientless contactor for gas liquid reactions	Amer. Chem. Soc.	15,000 14
Cent. Study Man	Leege, Kerrigan	Jose Ortega y Gasset's Magnum Opus (Translation)	Earhart Fdn.	5,000 --
Physics	Poirier	Elementary particle physics	Natl. Sci. Fdn.	150,000 12
Physics	Blackstead	Phonon spectroscopy in rare earths and rare-earth iron compounds	Natl. Sci. Fdn.	45,000 12
Chemistry	Thomas	Photochemistry in colloidal semiconductors	Amer. Chem. Soc.	30,000 24
Chemistry	Miller	Synthesis of $\beta$ -lactams from hydroxamic acids	Natl. Inst. Health	54,759 12
Chemistry	Strickland, Castellino	Role of factors VII and VIIa in the extrinsic pathway	Natl. Inst. Health	282 12
Physics	Johnson	Scientist in residence - Argonne National Laboratory	Argonne Natl. Lab.	9,425 4.2
Microbiology - Lobund Lab.	Wostmann	Effect of intestinal microorganisms on cholesterol metabolism	Max Baer Heart Fund	10,000 --
Microbiology - Lobund Lab.	Pollard	Prostate adenocarcinomas in rats	Natl. Inst. Health	80,936 12
Chemical Eng.	Varma	Chemical and catalytic reaction engineering	Nalco Fdn.	8,500 12
Physics	Biswas, Cason Kenney, Shepard	High energy elementary particle physics	Natl. Sci. Fdn.	347,000 12
Microbiology -	Neta,	Tumor immunology metalloporphyrins	Natl. Inst. Health	19,040 12
Biology	Sneller, Weinstein	Dirofilaria immitis in mosquito organ and cell culture	Natl. Inst. Health	19,562 12
Mathematics	Hahn, Wong	Groups of Lie type and classical groups	Natl. Sci. Fdn.	18,200 12
AWARDS FOR EDUCATIONAL PROGRAMS				
Civil Eng.	Theis	Hydrodynamic and chemical modeling of heavy metals in ash pond leachates	Dept. Energy	13,112 12
Theology	Charles	Distinguished visiting professor 1981-1982	Lilly Endow., Inc.	15,600 10
AWARDS FOR SERVICE PROGRAMS				
- Cent. Past. Soc. Min.	Dwyer	Needs assessment program	- - -	20,082 --

(Awards Received continued.)

Department or Office	Principal	Short title	Sponsor	Dollars Months
Cent. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy	- - -	3,758 --
- Cent. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy	- - -	817 --
- Cent. Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	- - -	19,880 --
-Cent. Past. Soc. Min.	McNeill	Center for Experiential Learning	- - -	56 --
Cent. Past. Soc. Min.	Dwyer	Ministry to priests program - ministry to laity program	- - -	67,129 --

## Proposals Submitted

IN THE MONTH OF JUNE, 1980

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Chemistry	Hayes	Core absorption spectroscopy of metalloporphyrins	Natl. Inst. Health	37,249 12
Psychology	Anderson, Crowell	Analysis of long-term biobehavioral stress effects	Natl. Inst. Health	68,971 12
Physics	Mihelich	Rebuilding of four accelerator tube sections	Natl. Sci. Fdtn.	16,400 --
Microbiology Lobund Lab.	Westmann	Thyroid function in aging germfree rats and mice	Natl. Inst. Health	79,301 12
Electrical Eng.	Sain	Alternatives for jet engine control	Natl. Aero. Space Admin.	63,158 12
Microbiology Lobund Lab.	Asano	Experimental carcinogenesis by dietary nitrite	Natl. Inst. Health	101,863 12
Biology	Goetz	Reproduction in common carp by endocrine manipulation	Environ. Prot. Agency	179,488 36
Microbiology Lobund Lab.	Westmann	Cholesterol metabolism in the gnatobiotic gerbil	Natl. Inst. Health	84,395 12
Microbiology Lobund Lab.	Burleson, Kulpa	Interferon inducers associated with liposomes	Natl. Inst. Health	61,292 12
Aeros. Mech. Eng.	Kanury	Response mechanism: Blast/fire interaction	Fed. Emerg. Manag. Agency	87,260 24
Sociology Anthropology	Press	Medical change in the urbanization process	Natl. Inst. Health	74,383 12
Chemistry	Nowak	NMR studies of metals in kinases and related enzymes	Natl. Inst. Health	70,990 12
Microbiology Lobund Lab.	Burleson	Murine cytomegalovirus studies in germfree mice	Natl. Inst. Health	49,210 12
Cent. Study Man	Aldous, Klein	Family size and later kin contacts: A pilot study	Natl. Inst. Health	51,487 12
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Law School	Kellenberg Crutchfield, Link	Notre Dame Legal Aid and Defenders Association	U.S. Off. Educ.	75,155 12
College Bus. Admin.	Furuhashi	MBA affirmative action financial assistance - program review	Corning Glass Works Fdtn.	6,876 9
Civil Eng.	Irvine	Environmental health engineering training program	Environ. Prot. Agency	6,209 13
PROPOSAL FOR SERVICE PROGRAM				
Inst. Urban Studies	Smith Broden	Food and nutrition program	Ind. Dept. Pub. Instr.	11,756 1.5

# summary of awards received and proposals submitted

IN THE MONTH OF JUNE, 1980

## AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	18	\$ 1,148,508	7	\$ 260,925	25	\$ 1,409,433
Facilities and Equipment	1	13,112	-	--	1	13,112
Educational Programs	-	--	1	15,600	1	15,600
Service Programs	-	--	6	11,722	6	111,722
Total	19	\$ 1,161,620	14	\$ 388,247	33	\$ 1,549,867

## PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	\$ 239,284	9	\$ 786,163	14	\$ 1,025,447
Facilities and Equipment	-	--	-	--	-	--
Educational Programs	2	13,085	1	75,155	3	88,240
Service Programs	-	--	1	11,756	1	11,756
Total	7	\$ 252,369	11	\$ 873,074	18	\$ 1,125,443

## closing dates for selected sponsored programs

Proposals must be submitted to the Office of Research and Sponsored Programs seven (7) calendar days prior to the deadline dates listed below.

Agency	Programs	Application Closing Dates		
Department of Education	Technical Assistance and Energy Conservation Measures	Sept.	30,	1980
Department of Housing and Urban Development	Research Proposals	Sept.	30,	1980
Department of Labor	CETA Doctoral Dissertation Grants	Sept.	1,	1980
Fogarty International Center	Senior International Fellowships	Oct.	1,	1980
National Center for Health Services Research	Doctoral Dissertation Research Proposals	Oct.	15,	1980
National Endowment for the Humanities	Basic Research (Archaeological Projects)	Oct.	15,	1980
National Endowment for the Humanities	Editions	Oct.	1,	1980
National Endowment for the Humanities	Pilot Grants	Oct.	1,	1980
National Endowment for the Humanities	Planning and Assessment Studies	Sept.	1,	1980
National Endowment for the Humanities	Research Conferences	Sept.	15,	1980
National Endowment for the Humanities	Research Programs in the Humanities (Collections)	Sept.	1,	1980
National Endowment for the Humanities	Research Programs in the Humanities (Conferences)	Sept.	15,	1980
National Endowment for the Humanities	Research Tools and Reference Works	Oct.	1,	1980
National Endowment for the Humanities	Special Programs and Projects in the Humanities	Sept.	1,	1980
National Endowment for the Humanities	State, Local and Regional Studies	Sept.	1,	1980
National Endowment for the Humanities	Youth Grants	Oct.	15,	1980
National Science Foundation	Arctic Research Program	Sept.	1,	1980
National Science Foundation	Ethics and Values in Science and Technology	Sept.	1,	1980
National Science Foundation	International Cooperative Scientific Activities (U.S./Japan)	Sept.	1,	1980
National Science Foundation	Pre-College Teacher Development in Science Program	Oct.	1,	1980
Smithsonian Institution	Professional Training in Conservation and Museum Practices	Sept.	1,	1980
National Science Foundation	Science in Developing Countries	Sept.	1,	1980
National Science Foundation	Science in Developing Countries Program	Sept.	1,	1980
National Science Foundation	Travel Support to India and Pakistan	Sept.	1,	1980
National Science Foundation	U.S.-India Exchange of Scientists	Sept.	15,	1980

# documen- tation

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## 1981 summer session calendar

(Office of the Dean of Administration)

June 22	Monday	Registration for the regular summer session 9 a.m.-2:30 p.m. (Special dates and arrangements for institutes, workshops, minicourses, etc.)  Mass to formally open the summer session. Sacred Heart Church, 5:15 p.m.
June 23	Tuesday	Regular summer session classes begin 8 a.m.
June 26	Friday	Latest date for all class changes without penalty.
July 2	Thursday	Foreign language examination. Latest date for fulfillment of this requirement for master's degree in August 1981.
July 10	Friday	Latest date for handing in thesis and dissertations for degrees in August 1981.
July 24	Friday	Latest date for general examination for candidates for master's degree in August 1981. Latest date for securing approval of subject of thesis for master's degree in August 1982.
July 27, 28, 29	Mon., Tues., Wed.	Preapplication by graduate students for the summer session, 1982.
July 29	Wednesday	Latest date for applying for admission to candidacy for master's degree in August 1982.
Aug. 5	Wednesday	Last class day. Final language examination given.
Aug. 6	Thursday	Course examinations for all students.
Aug. 7	Friday	August Commencement exercises. Baccalaureate Mass and Convocation for the conferring of degrees.

- 457 --Japan-United States Friendship Commission Grants (No. FY80-423)
- 458 --Longy School of Music Scholarships in Instrumental Music (No. FY80-424)
- 458 --Loyola University of the South The Bultman Award (No. FY80-425)
- 458 --Lutheran World Federation International Scholarship and Exchange Program (No. FY80-426)
- 458 --Manufacturer's Hanover Trust The George Jean Nathan Award for Dramatic Criticism (No. FY80-427)
- 458 --Memorial Foundation for Jewish Culture Scholarships and Fellowships (No. FY80-428)
- 459 --Ministry of Education (Japan) Mombusho Scholarships (No. FY80-429)
- 459 --Ministry of Higher Education (Morocco) Study, Research and Exchange Scholarships (No. FY80-430)
- 459 --New Dance Group Studio, Inc. Scholarships (No. FY80-431)
- 459 --National Federation of Music Clubs Award Program for Summer Music Festivals and Centers (No. FY80-432)
- 459 --The National Orchestral Association Fellowships for Graduate Orchestral Training (No. FY80-433)
- 460 --Eugene O'Neill Memorial Theatre Center National Playwrights Conference (No. FY80-434)
- 460 --Open Circle Theater Playwrights Prize (No. FY80-435)
- 460 --Regional Economy History Research Center Research Fellowships (No. FY80-436)
- 460 --Rochester Civic Theatre Playwright '80 Competition (No. FY80-437)
- 460 --Rothmans University Endowment Fund University Endowment Fund (No. FY80-438)
- 461 --Society for Italian Historical Studies SIHS Award (No. FY80-439)
- 461 --Society for Italian Historical Studies Howard and Helen R. Marraro Prize (No. FY80-440)
- 461 --University Women's Association of Nagpur Scholarship (No. FY80-441)
- 461 --Yeungnam University Scholarships (No. FY80-442)
- 461 --National Science Foundation National Institute of Education The Improvement of Mathematics Education Using Information Technology (No. FY80-443)
- 462 --Department of Transportation Faculty Fellow Program at the Transportation Systems Center (No. FY80-444)
- 462 --National Endowment for the Humanities Research Conferences (No. FY80-445)
- 462 --National Endowment for the Humanities State, Local and Regional Studies (No. FY80-446)
- 462 --Fellowship Program Fellowship Program (No. FY80-447)
- 463 --American Council of Learned Societies Mellon Fellowships for Chinese Studies: Travel Grants (No. FY80-448)
- 463 --American Historical Association Helen and Howard R. Marraro Prize (No. FY80-449)
- 463 --North Atlantic Treaty Organization Study Visits (No. FY80-450)
- 463 --American Lung Association Research Grants (No. FY80-451)
- 464 --American Lung Association Institution Pediatric and Adult Pulmonary Disease Training Grants (No. FY80-452)
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## notre dame report

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Christopher J. Meehan, Editor  
 Printing and Publications Office  
 415 Administration Building  
 Notre Dame, Ind. 46556  
 (219) 283-1234