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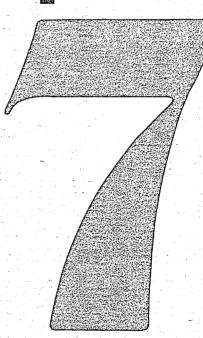
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the university

Memorial Library Hours Christmas Vacation

Thursday, Dec. 22 - Monday, Jan. 16, 1978

1st and 2nd floors Monday - Saturday Sunday

8 a.m. - 5 p.m.

closed

Tower

Monday - Saturday

8 a.m. - 10 p.m.

Sunday

1 p.m. - 10 p.m.

Memorial Library Tower only will be open: Dec. 23 and Dec. 27 Dec. 31

8 a.m. - 10 p.m. 8 a.m. - 5 p.m.

Memorial Library Building will be closed:

Dec. 24 - 26 (Christmas weekend) Jan. 1-2 (New Year's weekend)

The Research Libraries will be open Monday through Friday 8 a.m. until noon and 1 p.m. until 5 p.m. They will be closed the same days as the Memorial Library will be closed as indicated above.

All libraries will return to their regular schedules on Tuesday, Jan. 17.

United Way Campaign

The Notre Dame United Way Campaign has reached its goal. The staff increased its participation rate significantly, the students more than doubled their donations of last year, and the special gift from the C.S.C. community was very generous. These factors, in addition to continued support from the faculty and retirees, contributed to making this year's campaign a success. If you have not yet returned your pledge card to the Personnel Office, however, please do so at once.

A complete breakdown of contributions is as follows:

<u>1976</u>	<u>1977</u>		
349	(379)	Facul ty	\$32,880.80
154	(152)	Administrators	9,176.78
697	(480)	Staff	9,525.76
18		Retirees	695.00
		Students	4,647.78
		Special gifts	3,850.00
		Direct pledges	1,851.40
		Total	\$62,627.52

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The Campaign for Notre Dame

"The Campaign for Notre Dame", the University's current development program, has achieved 58 per cent of its \$130 million goal in eight months. Gifts and pledges totaling \$75,035,250 have been received and gifts and commitments have come from slightly more than 30,000 individuals, foundations, corporations and estates.

In terms of the major campaign priorities, 46 per cent of the \$92 million endowment goal has been achieved, 71 per cent of the physical facilities goal of \$29.3 million, and 73 per cent of the \$8.7 million goal for current use funds has been reached.

'Catholic Character' text available

The text of a talk on the "Catholic Character of Catholic Universities" given in November in the College of Arts and Letters by Prof. Karel Dobbelaere, a sociologist of religion and former dean of the Social Science faculty at the Catholic University of Leuven, is available through the Dean's Office. Professor Dobbelaere's research suggests that the future of the Catholic university depends on its ability to differentiate its teaching and research programs from those of other institutions, possibly by directing them to social problems involving distributive justice.

AOH To Endow ND Center

The directors of the Ancient Order of Hibernians in America (AOH), the largest fraternal organization of Irish and Irish-Americans, have approved plans to raise \$1.3 million to endow Notre Dame's new Center for the Study of American Catholicism. The unanimous decision of the national board of the Hibernians is subject to ratification at the Hibernians national meeting in Killarney, Ireland, in June

Income from the endowment would offset the salary and office expenses of the center director and provide initial underwriting for the four major activities of the center--scholarships and instruction; research; publication, and collection of archival material. The national secretariat of the Hibernians would move to the Notre Dame campus, and its publication, "The National Hibernian Digest," would be printed here.

faculty notes

Honors

Vincent P. DeSantis, professor of history, has been appointed a reviewer for the National Endowment for the Humanities for its grants for public programs in the humanities conducted through museums, historical societies, public libraries, civic organizations and radio and television broadcasting.

Raymond C. Gutschick, professor of earth sciences, was awarded the Neil Miner Award by the National Association of Geology Teachers at the annual meeting of the Geological Society of America and Associated Societies, Nov. 5-8, in Seattle, Wash. The award is given annually to the college or university professor who is recognized as an outstanding teacher and who has made exceptional contributions to the stimulation of interest in the earth sciences.

Rev. Theodore M. Hesburgh, C.S.C., president of Notre Dame, was sworn in Nov. 29 as U.S. ambassador to the 1979 United Nations conference on Science and Technology for Development. Father Hesburgh is believed to be the first Catholic priest in this country to be given ambassadorial rank.

John Matthias, associate professor of English, has been appointed permanent associate of Clare Hall, Cambridge.

Michael K. Sain, professor of electrical engineering, has been named to the editorial board for the <u>Journal</u> for Interdisciplinary Modeling and Simulation. He and <u>James L. Melsa</u>, chairman and professor of electrical engineering, were elected fellows of the Institute of Electrical and Electronics Engineers, effective Jan. 1.

Yu-ming Shaw, assistant professor of history, has been appointed an associate member of the Center for Far Eastern Studies of the University of Chicago for the academic year 1977-78.

<u>Susan Yasar</u>, staff librarian, has been made a member of the Indiana Cooperative Library Services Authority (INCOLSA) Union List of Serials Task Force for a term ending June 30, 1978.

Activities

George B. Craig, Clark professor of biology, spoke on "Lankesteria barretti: Prospects for Biological Control of Aedes triseriatus" at the meeting of the Entomological Society of America in Washington, D.C., Nov. 26-Dec. 1.

Theodore J. Crovello, chairman and professor of biology, presented two papers entitled "The Literature as a Rare Plant Source" and "The Flora Indiana Project and Rare Plant Information" at the Rare Plants Data Symposium held at the New York Botanical Gardens, Nov. 14-18.

<u>Vincent P. DeSantis</u>, professor of history, gave a talk to the Phi Alpha Theta Chapter of Saint Mary's College on Nov. 29, on "Presidential Assasinations."

Msgr. John J. Egan, special assistant to the president, chaired the Land Use Task Force Committee meeting at the meeting of the Committee on Legislation for Social Justice, National Conference of Catholic Charities, in Maryland, Dec. 2-3.

Garabet J. Gabriel, associate professor of electrical engineering, presented a paper entitled "Potential Damage to DC Superconducting Magnets due to High Frequency Electromagnetic Waves," at the Seventh Symposium on Engineering Problems in Fusion Research, Knoxville, Tenn., Oct. 25-28.

Moira Geoffrion, assistant professor of art, had a sculpture accepted in the juried Hip-Pocket Wearing Exhibition in October and November, at the CVA Gallery, Illinois State University, Normal, Ill.

Bernard J. Kilbride, professor of finance, presented a paper entitled "Investing for Inflation" at the annual meeting of the Canadian Religious Conference in Toronto, Ont., Nov. 1.

Lawrence H.N. Lee, professor of aerospace and mechanical engineering, presented a paper entitled "Quasi-Bifurication in Dynamics of Elastic-Plastic Continua," at the winter annual meeting of the American Society of Mechanical Engineers in Atlanta, Ga., Nov. 27-29.

Robert C. Nelson, assistant professor of aerospace and mechanical engineering, presented a paper entitled "A Correlation of Trailing Vortex Data Obtained from Flight Test Measurements" at the American Institute of Aeronautics and Astronautics (AIAA) General Aviation Technologyfest in Wichita, Kan., Nov. 18-19.

Irwin Press, associate professor of sociology and anthropology, chaired and hosted a roundtable discussion on "The Function of Urban Folk Medicine" at the annual meeting of the American Anthropological Association in Houston on Dec. 2. He was also a discussant for a session on "The Yucatec Maya Film Project: Reflexive Ethnography and Visual Anthropology."

Robert H. Schuler, director of the Radiation Laboratory and professor of chemistry, presented a seminar entitled "ESR and Optical Studies of Radiation Produced Radicals" at Kalamazoo College, Kalamazoo, Mich. on Nov. 29.

Yu-ming Shaw, assistant professor of history, presented a paper at the 26th Annual Meeting of the Midwest Conference on Asian Affairs, Oct. 14-15, at DeKalb, Ill., entitled "The Problem of Evaluating American Missionary Work in China." He also chaired a session on "The China Missionaries: Religious and Secular Tensions in the Modern Period, Part II."

Thomas L. Theis, assistant professor of civil engineering, participated in a symposium at the Illinois Institute of Technology, Chicago, on "Human Values in a Changing World," Nov. 17, and presented a paper entitled "Values in Engineering Education."

Arvind Varma, associate professor of chemical engineering, presented a paper entitled "Some Modeling Aspects in Automotive Catalysis" done with <u>James J. Carberry</u>, professor of chemical engineering, at the annual meeting of the American Institute of Chemical Engineers in New York, Nov. 15-17.

James D. Whitehead, adjunct assistant professor of theology, and Evelyn Eaton Whitehead, assistant professor of theology, conducted a workshop for the clergy of the Diocese of Lafayette, La., Nov. 21-22 on "Adulthood and its Invitations to Religious Growth."

Eduardo E. Wolf, assistant professor of chemical engineering, chaired a session and presented a paper entitled "Crystallite Size Effects During Propylene Oxidation on Pt/ γ Al₂0₃" at the Materials Research Society annual meeting in Boston, Mass., Nov. 14-16.

K.T. Yang, chairman and professor of aerospace and mechanical engineering, chaired a session entitled "Heat Transfer in Turbulent Flows" at the 14th Annual Meeting of the Society of Engineering Science at Lehigh University, Bethlehem, Pa. on Nov. 16.

office of advanced studies

Information Circulars

The Rotary Club of Crown Point, Indiana Rotary Foundational Educational Awards for Study Abroad

No. FY78-99

The Rotary Club of Crown Point, Indiana, is seeking young men and women as candidates for Rotary Foundational Educational Awards for Study Abroad in the academic year 1979-80.

Types of Awards:

- Graduate Fellowships, for those who have received a bachelor's degree or equivalent and are between the ages of 20 and 28.
- Undergraduate Scholarships for those with a minimum of two years of university level work and are between the ages of 18 and 24.
- Technical Training Award, for those employed or engaged in a technical field for two years, a secondary school graduate between the ages of 21 and 35.
- 4. Awards to Teachers of the Handicapped, for secondary school graduates who have been engaged as full-time teachers of the mentally, physically or educationally handicapped for at least two years at the time of application and are between the ages of 25 to 50.

Each award includes round-trip transportation, educational and living expenses for one academic year, and funds for intensive language training, if necessary.

Eligibility:

The candidate cannot be an immediate relative of a Rotarian. He or she must be an outstanding student and highly qualified as an ambassador of goodwill. They may be married, except for Undergraduate Award which is open for singles only.

For further information contact:

Mr. Donald W. Nolan 1126 North Main Street Crown Point, Indiana 46307 (219) 663-1434 or (219) 769-3302

Smithsonian Institution Smithsonian Fellowships

No. FY78-100

Smithsonian Fellowships are offered to provide opportunities for pre- and postdoctoral investigators to receive further training in research in collaboration with members of the Smithsonian professional research staff, utilizing the facilities and collections of the Institution.

Applicants must propose to conduct research in one of the following disciplines for a minimum of six and a maximum of twelve months: American and Cultural History; History of Art; History of Science and Technology; Anthropology; Evolutionary and Systematic Biology; Environmental Sciences; Earth Sciences, and Tropical Biology.

Qualifications for Application for Postdoctoral Fellowships:

Applicants who have received the Ph.D., or equivalent within five years of the date on which tenure at the Institution would commence, are eligible to apply. Recipients must have completed that degree at the time the fellowship commences.

Qualifications for Application for Predoctoral Fellowships:

Students accepted by a university as candidate for the Ph.D., or equivalent, are eligible. At the time of appointment the University must approve the undertaking of dissertation research at the Institution and indicate that requirements for the doctorate, other than the dissertation, have been substantially met.

Deadline:

Applications must be postmarked by January 15, 1978.

Stipends:

The stipend for postdoctoral fellows is \$12,000 for twelve months. For predoctorals it is \$7,000 for twelve months. Modest additional allowances are offered: Travel allowance to assist with relocation, and an allowance for research-related expenses.

For further information and applications write:

Mr. Edward Davidson or Miss Gretchen Gayle Ellsworth
Co-Director Co-Director
Office of Academic Studies
Smithsonian Institution
Washington, D.C. 20560

The Indiana Committee for the Humanities Resource Center

No. FY78-101

The Indiana Committee for the Humanities invites faculty and staff to take advantage of a compilation of humanities materials available from their Resource Center. Whether one is creating a project in the humanities, identifying humanists to participate in a project, developing ways to publicize a project or simply interested in widening one's own knowledge in the disciplines of the humanities, it is possible to borrow, free except for return postage, a diversity of program materials, references or aids in the humanities.

Films, audio and videotapes, study guides, pamphlets, magazines and newsletters have been collected.

An outreach program, a special mobile service taking the-humanities to the people, is also offered by the Center. The program provides a selected film and a qualified humanist to lead discussions for groups.

For example, a cross-section of available videotapes includes the following subject areas: "Child Abuse: A National Crisis"; "Marriage: A Changing Institution"; "Rape: A Woman's Problem"; "Black Women in American History"; "The Creative Process and Women Behind the Scenes."

For further information, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7378.

The Division of Research and Sponsored Programs also has available for perusal a copy of the Committee's publication entitled "Humanist Directory." This publication is a directory produced by ICH to serve as a resource guide. Its purpose is to make the names and interests of Indiana humanities scholars available to individuals and groups interested in using the humanities in public discussion programs.

The S and H Foundation Lectureship Program, 1978-79

No. FY78-102

The S and H Lectureship Program focuses on fields of public affairs and social science, broadly defined. It has a dual purpose: First, to enrich established curricula by bringing scholarly and public experts into direct contact with faculties and students; second, to extend the influence of the sponsoring school into the nearby community by the presentation of at least one public lecture by each distinguished visitor. Proposals for coordinated lectures dealing with one broad subject are preferred.

Proposals:

All written proposals will be given full consideration, providing they are received no later than February 15, and cover all the requirements listed below.

No application form is supplied. Only one copy of a proposal is required. Proposals must not exceed five pages in length, and should include the following:

- 1. A description of the proposed lecture or lectures.
- A list of possible speakers with brief biographical data for each.
- A tentative schedule of meetings.
- 4. An estimate of the budget for the amount requested.
- A statement confirming that the lectures will be well publicized and open to the community without charge.
- 6. Information showing that the program is feasible and that there is adequate administrative machinery for its implementation.

Awards:

Awards are limited to a maximum of \$2,000 for any one institution. Awards will be announced by April 30, 1978.

Institute for the Study of World Politics Fellowships for 1978-79

No. FY78-103

The Institute for the Study of World Politics will award from twenty to twenty-five fellowships for the 1978-79 academic year to scholars examining political, economic and social issues that affect the prospects for international peace and justice. The Institute seeks to promote studies that will elucidate current world events and trends and that will, whenever possible, identify practical measures that will contribute to the resolution of significant international issues.

Some areas of concern are: Limitation of strategic nuclear arms, control of the proliferation of nuclear weapons. Improvement of levels of health, nutrition, education, economic security and social welfare within developing countries. Development of systems for more prudent and equitable distribution and management of technology, raw materials, food, fuels and other resources. Definition and recognition of fundamental human rights, and development of more effective international mechanisms and procedures for the protection of such rights.

Qualifications:

Fellowships will be awarded to post-doctoral scholars and to doctoral candidates conducting dissertation research, but not to graduate students at earlier stages of work. Fellowships vary in amount, and are awarded for periods of from three to nine months. Fellowships may include funds for tuition, maintenance and travel or other field research costs.

Deadline:

February 1, 1978.

For further information and application materials write:

Institute for the Study of World Politics 1978-79 Fellowship Competition 1995 Broadway - Sixth Floor New York, New York 10023

National Science Foundation Science for Citizens (SFC) Program Public Service Science Residencies and Internships

No. FY78-104

The National Science Foundation Science for Citizens program plans to award 15 to 25 Public Service Science Residencies and 15 to 25 Public Service Science Internships, and make approximately 20 awards for forums, conferences and workshops in 1978.

Public Service Science Residencies and Internships enable scientists and engineers and students of science and engineering to undertake up to a year's activities with citizen groups and other appropriate organizations in need of their expertise. Residents receive a stipend of \$18,000 for a 12-month tenure, with current salary matched up to a maximum of \$25,000; interns receive a \$6,000 stipend for a 12-month tenure.

Proposals will be due at NSF on March 15, 1978 and awards will be announced in late June 1978. Copies of the guidelines for the SFC program will soon be available.

National Science Foundation Science for Citizens (SFC) Program Forums, Conferences and Workshops

No. FY78-105

Science for Citizens Forums, Conferences and Workshops enable non-profit organizations to bring together citizens and scientists to provide citizens with access to expertise on science-related policy issues and to better inform scientists as to those issues of concern to citizens.

Preliminary proposals are due at NSF on March 1, 1978, with formal proposals due on May 1, 1978. Awards will be announced in August 1978. Copies of the guidelines will soon be available.

Jane Coffin Childs Memorial Fund for Medical Research Fellowship Program

No. FY78-106

An application deadline of January 1, 1978, has been set for fellowship awards and grants-in-aid from the Jane Coffin Childs Memorial Fund for Medical Research. The Fund supports research into the origins and treatment of cancer. Fellowship applicants must be under 30 years of age, and must either have received within the last two years an M.D. or Ph.D. degree in the proposed field of study or else provide evidence of equivalent training and experience.

Stipend:

Annual stipends for the one- or two-year award period are about \$10,000, with additional support for dependent children, travel expenses and laboratory research costs.

For additional information and application materials write to:

Office of the Director Jane Coffin Childs Memorial Fund for Medical Research 333 Cedar Street New Haven, Connecticut 06510 Phone: (203) 432-4503

The Ford Foundation Worldwide Competition for Research on International Economic Order

No. FY78-107

The Ford Foundation has announced its fifth round of worldwide competition designed to encourage and support research on important problems related to the international economic order.

Suggested Research Areas:

- The International Transmission of Economic Disturbances
- The Organization of the World Monetary, Investment and Trade Systems
- The Relationships Among Trade and Investment, Income Distribution and Economic Policy
- 4. Trends and Policies in Commodity Markets
- International Resource Allocation, Location of Industry and Transfer of Technology
- 6. The Politics of International Economic Relations

Research Approach:

Proposals from single researchers will be considered; however, it is expected that fruitful research on the problems outlined in the program statement will generally require input by more than one researcher. In addition, solution of some of these problems will require analysis by social scientists other than economists. Proposals including such collaboration will be appropriate.

Budget and Institutional Involvement:
Preference will be given to projects which also have some support from the applicant's institution. In no case may indirect costs exceed 10 percent.

Deadline:

March 15, 1978.

National Research Council Resident Research Associateships—1978

No. FY78-108

The National Research Council conducts the postdoctoral Research Associateship Programs in cooperation with a number of selected federal laboratories and research organizations.

Objectives of the program are:

- To provide postdoctoral scientists and engineers of unusual promise and ability opportunities for research on problems, largely of their own choice, which are compatible with the research interests of the sponsoring laboratories.
- To contribute thereby to the overall research effort of the federal laboratories.

Resident Research Associateships and Postdoctoral Research Associateships are tenable at the following facilities:

The Jet Propulsion Laboratory California Institute of Technology Pasadena, California

Goddard Space Flight Center Greenbelt, Maryland

Goddard Institute for Space Studies New York, New York

George C. Marshall Space Flight Center Huntsville, Alabama

Naval Surface Weapons Center White Oak Silver Spring, Maryland

Michelson Laboratory Naval Weapons Center China Lake, California

U.S. Army Medical Bioengineering Research and Development Laboratory Ft. Detrick, Maryland

Armed Forces Radiobiology Research Institute Bethesda, Maryland

The Lewis Research Center Cleveland, Ohio

The Langley Research Center Hampton, Virginia

Dryden Flight Research Center Edwards, California

Wallops Flight Center Wallops Island, Virginia National Oceanic and Atmospheric Administration Department of Commerce Washington, D.C.

Naval Research Laboratory Washington, D.C.

Ames Research Center Moffett Field, California

U.S. Army Ballistic Research Laboratory U.S. Army Armament Research and Development Command Aberdeen Proving Ground, Maryland

Agricultural Research Service U.S. Department of Agriculture Washington, D.C.

U.S. Environmental Protection Agency at the Corvallis Environmental Research Laboratory Corvallis, Oregon

U.S. Army Natick Research and Development Command Natick, Massachusetts

Air Force Systems Command

Naval Medical Research and Development Command Department of the Navy

Walter Reed Army Institute of Research Washington, D.C.

Lyndon B. Johnson Space Center Houston, Texas

National Bureau of Standards Washington, D.C. and Boulder, Colorado

Application Procedure:
Detailed information on application procedures, all necessary forms, and a list of the supporting documents required are available from:

Associateship Office (JH 606) National Research Council 2101 Constitution Avenue, N.W. Washington, D.C. 20418

Deadline:

Applications must be postmarked not later than January 15, 1978 and May 1, 1978 and must be received within ten days of these dates. All supporting documents must be received by the NRC by February 13, 1978 and June 1, 1978, respectively.

The Office of Advanced Studies, Research and Sponsored Programs, has available a series of booklets that describe each program in detail; included is a listing of areas of support. For this information call Extension 7378.

National Center for Health Services Research Conference Grants

No. FY78-109

The National Center for Health Services Research (NCHSR) announces its support, through the general research grant program, for conferences organized to plan or assess research in health services.

The National Center for Health Services Research solicits grant applications for support of two types of conferences. The first, the Research Development Conference, will seek to define new and potentially significant areas of research on problems of health services delivery. The second, the Research Design and Methodology Conference, will address methodological problems and technical issues of major importance in health services delivery.

Two types of conferences will be supported through $\mbox{\it grant awards:}$

Research Development Conference

Conferences are eligible for support that are designed to identify issues of concern in the area of health services delivery and to formulate a general or specific strategy for research related to such issues. The participants in this type of conference might include members of the research community, policy- and decision-makers from the private and public sectors, and representatives of various groups of consumers. However, all research conferences funded under this program must include potential users of the research results

Research Design and Methodology Conference

Conferences are also eligible for support that are designed to describe, assess, or resolve methodological and technical issues of major importance in health services research. Conferences of this type will, for example, attempt to define and seek solutions to problems inherent in a particular methodological approach. Alternatively, they will explore potentially useful techniques from various disciplines that give promise of being usefully employed in studies of the health care system. It is anticipated that those who participate in conferences in this category will be drawn primarily from the research community.

For further information, contact the Office of Research and Sponsored Programs, Extension 7378.

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
National Research Council	Postdoctoral Research Associateships	January 15, 1978
Office of Education	Career Education Program	January 18, 1978
Office of Education	Cooperative Education Programs	January 16, 1978
Office of Education	Desegregation - Training Institutes	January 17, 1978
Office of Education	Environmental Education Programs	January 20, 1978
Office of Education	Indian Fellowship Program	January 23, 1978
Smithsonian Institution	Fellowships	January 15, 1978
Smithsonian Institution	Predoctoral Fellowships	January 15, 1978

Dean Joseph C. Hogan College of Engineering Notre Dame, IN 46556

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