

# notre dame report

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# the university

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## campus computing needs

The University's mainframe computer is scheduled to be replaced during the Christmas break with a newer IBM model having over twice the current computing power. The replacement computer, an IBM 3033U16, will be leased for two years. Richard Spencer, assistant provost for computing, said the two-year lease will allow a better assessment of long-range computing needs while providing an interim solution for current increased needs. Because of rapid advances in the microcomputer industry, the need for a campus computer network is critical, he said. The savings of the two-year lease will allow work to begin on the network and give enough flexibility to keep up with technological advancements.

The replacement mainframe will be installed in the Computing Center to support research computing, coursework needs and administrative computing that has not yet been converted to the Hewlett-Packard system installed in the Administration Building in June 1982.

## committee on utilization of university facilities

Provost Timothy O'Meara has named Robert E. Gordon, Vice President for Advanced Studies, Chairman of the Committee on Utilization of University Facilities. Recommended by the Summer Session Activities Policy Committee in a report which appeared in Notre Dame Report #3, 1983-84, the committee will oversee on-campus extra-curricular activities. Serving on the committee will be Mr. Thomas Mason and Rev. John L. Van Wolvlear, C.S.C.

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Nov. 23, 1983

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# faculty notes

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## honors

Barbara Allen, assistant professor of American Studies, was elected to the Executive Board of the Great Lakes American Studies Association to serve from 1984 to 1986.

James Cushing, professor of physics and director of physics graduate studies, has been named the first recipient of the Father James L. Shilts Teaching Award given by the University's College of Science. Cushing joined the Notre Dame faculty in 1966 and is a specialist in elementary particle theory. He was chosen by a committee composed of five University administrators and a student representative. The award is given in memory of Rev. James L. Shilts, a physics faculty member who taught astronomy and astrophysics. Shilts died in August 1982.

Linda C. Ferguson, assistant professor of the program of liberal studies, was honored as one of six distinguished women graduates, by the Women's Council, University of Missouri-Kansas City, on the occasion of the 50th anniversary of the university, at a series of events in Kansas City, Oct. 26-28.

Stephen A. Fredman, assistant professor of English, had his recently published book, Poet's Prose, nominated for a Pulitzer Prize in the nonfiction category.

Astrik L. Gabriel, professor emeritus in the Medieval Institute and director of the Frank M. Folsom Ambrosiana Microfilm and Photographic Collection, was recently elected Honorary Member of the Hungarian Academy of Sciences at the 1983 Plenary Session of the Academy.

Ralph McInerny, Michael P. Grace professor of medieval studies, director of the Medieval Institute, and director of the Maritain Center, was invited to become a permanent contributor to the Review of the Institute Giovanni Paolo II, Pontificia Università Lateranense, Vatican City, Italy.

Norlin Rueschhoff, associate professor of accountancy, was elected chairman of the International Section Nominations Committee at the annual meeting of the American Accounting Association, New Orleans, La., on Aug. 22. He was also appointed co-editor of the International Accounting Forum.

Lawrence A. Woods, associate librarian, was appointed as chairman of the Networking Committee of the American Society for Information Science, 1983-85.

## activities

Eileen T. Bender, assistant professor of English, presented a talk entitled "The 'Business' of American Literature" at the final conference of the Creating Connections project (sponsored by Fund for Improvement of Post-Secondary Education), Warrenton, Va., Oct. 14. She participated as a panel member discussing "The Artist at Mt. Palomar" during a forum on Public Misunderstanding of Science at the annual meeting of the Society of Sigma Xi, Toronto, Canada, Oct. 29.

Kathleen Biddick, assistant professor of history, presented a paper entitled "Market Intensity and Taxable Wealth among English Peasants at the End of the Thirteenth Century: A Case Study" at the Eighth Annual Meeting of the Social Science History Association held in Washington, D.C., Oct. 27-30.

Rev. David B. Burrell, C.S.C., professor of philosophy, read a paper, "Prophecy and Revelation: Comparative Notes on Islamic, Jewish and Christian Sources," at a colloquium at Haverford College, Haverford, Pa., Oct. 25.

Dino S. Cervigni, associate professor of modern and classical languages, read a paper on "Guido, Buonconte, and the Mystery of Salvation (Inf. 27 and Pg. 5)" at the MMLA Convention, Minneapolis, Minn., Nov. 4.

Byung T. Cho, associate professor of management, presented a paper entitled "Multivariate Analysis of Residential Demand for Electrical Energy" at the joint national meeting of the Operations Research Society of America and the Institute of Management Science held in Orlando, Fla., Nov. 6-9.

Rev. Regis A. Duffy, O.F.M., visiting professor of theology, spoke on "Nurturing a Personal Relationship with God" at the Sunshine State Religious Education Conference, Orlando, Fla., Nov. 12.

William Eagan, associate professor of management, was the program chairman for the annual meeting of the Tri-State Regional Business Law Association, University of Notre Dame, April 15-16. He was the chairman of a committee on Constitutional Revisions for the ABLA, chairman of a session on "Contracts," and a discussant on a panel considering "Teaching Business and Society Courses," at the Convention of the American Business Law Association, held in Boston, Mass., on Aug. 14-17.

Linda C. Ferguson, assistant professor of the program of liberal studies, gave a public lecture, "The Charm Dissolves Apace: On the Role of the Music Critic," at the University of Missouri-Kansas City, on the occasion of the university's 50th anniversary, on Oct. 27. She also presented lectures to three classes at the Conservatory of Music in Kansas City on Oct. 28: "The Concept of Humanism as Embodied in Music of the Renaissance"; "On Teaching Music as an Abstraction"; and "Electronic Music Composition: What Does It Mean to the Performer?"

G. Ferraudi, associate professional specialist in the Radiation Laboratory, gave a talk entitled "Photochemical and Thermal Properties of Cu(II) Macrocyclic Complexes Containing the Ligands: TIM, DIM and Me- $\phi$ -TIM," at the 35th Southeast Regional American Chemical Society Meeting, Charlotte, N.C., Nov. 9-11.

Josephine Massyngberde Ford, professor of theology, presented a lecture, "Towards a Modern Interpretation of Revelation," at Wheaton College, Wheaton, Ill., Nov. 7.

Walter J. Gajda, Jr., associate professor of electrical engineering, delivered an invited presentation entitled "Notre Dame Research Activities in the Cold Weather Transit Technology Program" to engineering and management personnel of the Southeastern Pennsylvania Transit Authority, Philadelphia, Pa., on July 20.

Umesh Garg, assistant professor of physics, chaired a session on "Nuclear Spectroscopy" at the fall meeting of the Division of Nuclear Physics, American Physics Society, held at the University of Notre Dame, Oct. 13-15. He also presented a paper entitled "The Giant Monopole Resonance in Transitional and Deformed Nuclei" and coauthored five other papers presented at the meeting.

John J. Gilligan, director of the White Center for Law and Government, and professor of law, delivered a lecture at the Notre Dame London Law Centre on "The War Powers Act" on Oct. 14.

Denis Goulet, O'Neill professor of education for justice, presented a lecture, "New Directions and Grass-roots Development Initiatives," sponsored jointly by the Netherlands Ministry of Foreign Affairs and Society for International Development at Nijmegen Oct. 16-20, and Noordwijk Oct. 21-22. He served as a panelist and spoke on "The Theory and Practice of Participatory Action Research" at the Third World Centre, Catholic University of Nijmegen, Netherlands, on Oct. 17. Goulet lectured on "Material and Moral Incentives as Policy Instruments in Developing Countries" at the Institute for World Economics, Hungarian Academy of Sciences, Budapest, Oct. 28. He spoke at the Hungarian Institute of International Affairs, Ministry of Foreign Relations, Budapest, on the topic "U.S. Policy towards Latin America" on Oct. 31. He also delivered a lecture on "Human Rights in Latin America: Focus on Brazil" at Saint Mary's College, Notre Dame, Ind., as part of their Justice Education program, on Nov. 10.

Richard W. Hubbard, assistant director of the Gerontological Education, Research and Services Center, gave an invited address on "Families and Institutionalized Elderly" at the Morningside Nursing Home, South Bend, Ind., on Oct. 25. He also lectured on "The Aging Family" at First United Presbyterian Church on Oct. 30.

Thomas P. Leff, assistant professor of communication and theatre, chaired the session, "Computer Assisted Instruction and Sentence Combining: Will it Work?" at the Second Annual Conference on Sentence Combining at Miami University, Oxford, Ohio, Oct. 20-22.

John W. Lucey, associate professor of aerospace and mechanical engineering, served as a judge at the American Nuclear Society Student Design Presentation at the Society's meeting in San Francisco, Calif., Nov. 2.

John R. Malone, professor of marketing, gave a talk, "Assessing the Advertising Potential of Standard Statistical Metropolitan Areas," at the Management Conference of the Outdoor Advertising Association of America, Center for Continuing Education, University of Notre Dame, Ind., Oct. 17.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor and chairman of theology, presented a workshop session on "The Mission of a Catholic School" at the High School-College Interface sponsored by the Freshman Year of Studies, University of Notre Dame, Center for Continuing Education, Nov. 14. He also presented a Theological Inquiry Seminar in the Computing Center, University of Notre Dame, Nov. 15.

Ralph McInerney, Michael P. Grace professor of medieval studies, director of the medieval institute, and director of the Maritain Center, presented a lecture, "Our Mystery Fiction," to the American Association of University Women, American National Bank, South Bend, Ind., Oct. 19.

Kenneth Moore, associate professor and chairman of anthropology, organized and chaired a session on

"Urban Culture" at the XIth International Congress of Anthropological and Ethnological Sciences held in Quebec City, Canada, Aug. 13-17. He also delivered a paper elaborating the theme of the session.

Rev. Edward D. O'Connor, C.S.C., associate professor of theology, gave two talks, "The Jubilee Year 1983" and "The Sacrament of Reconciliation," at the Parish Renewal Day, St. Casimir's Parish, South Bend, Ind., Oct. 16.

Teresa Godwin Phelps, assistant professor of law, gave a talk entitled "The Dual Vision of War in David Jones's *In Parenthesis*," at the Western Conference on British Studies, Boulder, Colo., Oct. 21. She also presented the topic, "Power, Purpose and Audience: Three Foci for Teaching Writing for Professionals" at the "Intellectual Skills Development" Conference, Western Michigan University, Kalamazoo, Nov. 18-19.

Alvin Plantinga, O'Brien professor of philosophy, participated in the Balliol College reading party (on J.L. Mackie *The Miracle of Theism*), St. Gervais, France, Aug. 9-13. He read a paper, "On Ockham's Way Out," at the International Wittgenstein Conference in Kirchberg, Austria, Aug. 17. He also read a paper, "Christian Philosophers," at the International Congress of Philosophy in Montreal, Canada, Aug. 23. Plantinga read a paper, "On Ockham's Way Out," at Villanova University, Villanova, Pa., Sept. 23. "Alston on Reid" was the title of a paper he read at the Wheaton Philosophy Conference, Wheaton College, Wheaton, Ill., Oct. 14.

J. Keith Rigby, Jr., assistant professor of earth sciences, presented a paper entitled "Conodonts and the Early Evolution of Vertebrates" at the national meeting of the Geological Society of America held in Indianapolis, Ind., on Nov. 1.

Kenneth F. Ripple, professor of law, was an invited member of the faculty of the Federal Judicial Center Workshop and lectured on "The Federal Rules of Appellate Procedure," Fort Worth, Tex., Oct. 31.

Paul Roche, adjunct professor and poet-in-residence of the program of liberal studies, gave the first public reading of his new poem entitled "In the Land of Legna: Images from a Farther Planet" at the University of Notre Dame, Memorial Library auditorium lounge, on Nov. 9.

John Santos, professor of psychology and director of the GERAS Center, chaired a symposium on "Gaps in Delivering Mental Health Services to Older Adults" at the 91st Annual Convention of the American Psychological Association in Anaheim, Calif., on Aug. 27. He also presented the results of a national study on the impact of block grants on mental health services for the elderly. His study was part of an American Psychological Association project that served as a follow-up to the latest White House Conference on Aging.

Thomas J. Schlereth, professor of American studies, delivered a paper, "The New England Presence in Chicago Life and Letters," at the Chicago Literary Arts Conference, Chicago Public Library Cultural Center, on Oct. 29.

Roger A. Schmitz, McCloskey dean of engineering and Keating-Crawford professor of chemical engineering, presented a paper at a symposium on "Meeting the Research Needs of the Nation -- a Joint Effort Between NSF and the Research Community" at the annual meeting of the American Institute of Chemical Engineers, Washington, D.C., Nov. 1.

Samuel Shapiro, associate professor of history, presented a talk entitled "Shakespeare and I" to the Unitarian Universalist Fellowship of Elkhart, Ind., on Oct. 2.

Lee A. Tavis, C. R. Smith professor of business administration, coauthored a paper entitled "Multi-criteria Optimization of the General Capital Budgeting Process" with R. L. Crum and D. D. Klingman, presented at the Sixth European Congress on Operations Research, in Vienna, July 21; and the Financial Management Association Annual meetings in Atlanta, Ga., Oct. 7. He also gave a presentation entitled "Decision Analysis Strategies When Information Is Incomplete and Uncertain" with R. L. Crum at the Joint National Meetings of the Institute of Management Science and Operations Research Society of America, Orlando, Fla., Nov. 7.

Arvind Varma, professor and chairman of chemical engineering, presented a graduate seminar entitled "Reactions of CO, NO, O<sub>2</sub> and H<sub>2</sub>O on Platinum and Three-Way Catalysts" in the Department of Chemical Engineering, University of Virginia, Charlottesville, Va., on Oct. 20.

Stephen Watson, assistant professor of philosophy, chaired a session on "The Nature of Imagination in the Work of Merleau-Ponty," at the 7th annual meeting of the Merleau-Ponty Circle held at the New School for Social Research, New York, Oct. 2-4. He presented an invited response-paper at a conference on "Dilthey and Phenomenology," held at Pennsylvania State University, University Park, July 29-31.

Thomas Werge, professor of English, gave an invited lecture, "Dante's *Divine Comedy*," St. Anselm's College, N.H., April 19. He also presented an invited lecture, "Visions of God in Modern American Literature," University of Wyoming, Laramie, June 20.

Howard Wettstein, associate professor of philosophy, gave a talk on "Reference and Context" at the Center for the Study of Language and Information, Stanford University, Stanford, Calif., Nov. 1.

Rev. Oliver F. Williams, C.S.C., assistant professor of management, gave a talk to the faculty of Indiana Vocational Technical College on "Emerging Trends Affecting Education, Work, Technology, and Quality of Life" at the Knollwood Country Club, Granger, Ind., Nov. 4.

Eduardo E. Wolf, associate professor of chemical engineering, presented a seminar entitled "Hydrogen and Oxygen Evolution from Visible Light Photolysis of Water in the Presence of Heterogeneous Catalysts" at the Annual Meeting of the American Institute of Chemical Engineers, Washington, D.C., Oct. 30 and Nov. 2.

Larry Woods, associate librarian, spoke on "Micro-computers in the Academic Library" at the Midwest Meeting of the Library Association's Quadrennial Meeting, Cincinnati, Ohio, Nov. 4.

# documen- tation

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## university libraries minutes october 10, 1983

Present: Harvey A. Bender, James Cullather, Maura Daly, Vincent P. DeSantis, Lloyd H. Ketchum, Robert C. Miller, Andrew J. Sommese.

Bender opened the meeting by introducing the guests: Timothy O'Meara, Maureen Gleason (Chair, Director of Libraries Evaluation Committee), Patrick Max (Chair, Library Faculty's Faculty Affairs Committee), and Pamela Paidle (Chair, Library Staff Committee).

The provost had requested to join the meeting to present the results of the report of the Director of Libraries Evaluation Committee. He said the final report of the committee contained the unanimous recommendation for the continuation of Miller as Director of Libraries. He indicated that he supported this recommendation and it has been approved by the President.

Gleason summarized the thorough process employed by the Evaluation Committee and the process employed in developing its evaluation and recommendations.

Miller was complimented by all in attendance on the accomplishments in both improved services and collections in the University Libraries over the past five years.

Bender asked if there is a possibility of Friends of the Library support for research scholar use of our major collections. Miller responded that some was already in place in special areas such as the American Catholic Studies, the Medieval Institute, and Sports and Games, though not from the Friends.

Miller reported that the problem of late arrival of materials in the Mathematics Library has been looked into. Some standing orders have been set up and in other cases of non-receipt, a better system of claiming has been established. Another Mathematics Library problem of space was brought up and it was agreed that space needs and the handling of incoming and outgoing materials in all branch libraries should be a topic of general discussion.

A question was posed as to the priority of the libraries in fund raising in Public Relations and Development. Miller responded that the Libraries have been 1A and 1B since his arrival.

Possible agenda items for 1983-84 include a review of the book budget, a discussion of other approval plans which are being considered, and the strengths and weaknesses of our present collection.

At the Nov. 7 meeting an overview of the book budget will be presented and there will be a general discussion of the strengths and weaknesses of the collection. An update of library automation will also be given.

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On Nov. 18 at 4:00 p.m. in 221 Memorial Library there will be a reception for the Advisory Council for University Libraries, the Faculty Committee, and the Library Faculty. On Nov. 19 at 9:00 a.m. in the Faculty Lounge of Memorial Library there will be a joint meeting of the Advisory Council and the Faculty Committee for an update of library automation. A roster of Advisory Council members will be sent to Faculty Committee members before the November meetings.

DeSantis made the motion that a fire drill of Memorial Library be held during the fall semester of 1983. This motion was seconded and unanimously passed. Miller will contact appropriate University administrators for approval of evacuation of the building for this purpose.

## corrections to nd report no. 4

Editor's Note: Following are corrections and additions to Notre Dame Report #4 which have been brought to the editor's attention. All page numbers listed below refer to Report #4; underlined portions are the correct changes to be made.

### University Committees

William M. Daniher, College of Business Administration, and Robert M. Hudak, MBA - Law, should be added as Student Representatives of the Academic Council, p. 123.

### Faculty of the University, Academic Year 1983-84

REV. PATRICK D. GAFFNEY, C.S.C., Assistant Professor of Anthropology. B.A., Univ. of Notre Dame, 1969; M.Th., ibid., 1973; M.A., Univ. of Chicago, 1977; Ph.D., ibid., 1982. (1980)

JOHN H. ROBINSON, Assistant Professor of Philosophy. B.A., Boston College, 1967; M.A., Univ. of Notre Dame, 1972; Ph.D., Univ. of Notre Dame, 1975; J.D., Univ. of California, 1979. (1981) [To be added.]

RUSSELL G. WAHLERS, Assistant Professor of Marketing. B.B.A., Kent State Univ., 1970; M.B.A., ibid., 1973; D.B.A., ibid., 1981. (1981)

KATHLEEN MAAS WEIGERT, Assistant Professional Specialist in the Center for Social Concerns. B.A., Univ. of Minnesota, 1966; M.A., ibid., 1968; Ph.D., Univ. of Notre Dame, 1972. (1974)

# advanced studies

## notes for principal investigators

### Fringe Benefits for Staff Employees

This notice supercedes the notice on page 528, Notre Dame Report No. 20, 1982-1983.

The University provides Blue Cross - Blue Shield (BC-BS) group hospitalization for all full-time staff employees. Over a twelve-month period, the overall percentage rate can vary considerably among individuals. Consequently, OAS-DRSP suggests that until further notice, an "exact" calculation be used for staff employee benefits in proposal budgets. The following rates should be used for this calculation:

#### Social Security

7.0 percent of salary requested up to \$35,700

#### Blue Cross - Blue Shield

\$50.00 per month for single coverage - for part-time employees who work at least 30 hours per week and prorated for salary requested for full-time employees

\$122.00 per month for family coverage - for part-time employees who work at least 30 hours per week and prorated for salary requested for full-time employees.

## information circulars

Additional information on all circulars listed may be obtained by calling Extension 7432. Please refer to the circular number.

## humanities

### National Endowment for the Humanities Humanities, Science and Technology Program

No. FY84-232

The National Endowment for the Humanities (NEH) has had a long-standing interest in the humanities study of science and technology. Since 1973 this interest has been focused through the program on Science, Technology, and Human Values. In 1982 the program changed its name to Humanities, Science and Technology (HST) and joined the Endowment's Division of Re-

search Programs. Starting this year, the Endowment is significantly augmenting its ability to serve scholars working in this area. In addition to continuing its tradition of cooperative grant-making with the Ethics and Values in Science and Technology (EVIST) Program at NSF, HST is inviting proposals for an important new kind of award.

These new NEH Research Awards in Humanities, Science, and Technology will support research on a broad range of topics designed to improve the ability of the humanities to interpret, analyze and assess both the practices and the impact of science and technology. Appropriate foci for these new research projects might include, but need not be limited to: the form and content of scientific and technological knowledge, the interaction among science, technology and other elements of culture, and the conceptual and methodological foundations of humanities studies of science and technology. The program invites proposals which approach any of these foci from the perspectives of history, language and literature, philosophy, art history and criticism, comparative religion and philosophical methods.

Formal guidelines for the new award have been issued and are available in the Division of Research and Sponsored Programs. The first deadline will be March 1, 1984. However, applicants are urged to submit proposals by January 1, 1984.

## social sciences

### Council for European Studies Pre-Dissertation Fellowships

No. FY84-218

#### Program:

Approximately ten awards of up to \$2,000 will be given to graduate students who have completed at least two years of graduate study in the social sciences at an American or Canadian university by June, 1984. The program emphasizes topics relating to Europe during the industrial period. Students with approved dissertation proposals embarking on doctoral research are specifically excluded from this program, the purpose of which is to enable students to spend a summer (or the equivalent period) in Europe prior to making final plans for their dissertations in order to explore the feasibility of dissertation topics and to sharpen needed research skills.

Deadline:

January 15, 1984

For Further Information Contact:

Council for European Studies  
1404 International Affairs Building  
Columbia University  
New York, NY 10027  
(212) 280-4727

(From 1983 ARIS)

## science

### American Chemical Society ACS Congressional Fellowships

No. FY84-216

Program:

The ACS will support two fellows who will spend one year working as special legislative assistants on the staffs of Congressional committees or of individual Congressmen. The stipend is \$24,200 with the provision that each fellow can obtain additional support from sources outside the ACS. In addition, secretarial and travel support is available. The purposes of the program are to: 1) provide an opportunity for scientists to gain first-hand knowledge of the operations of the legislative branch of the federal government; 2) make available an increasing amount of scientific and technical expertise to the government; and 3) broaden the perspective of both the scientific and governmental communities regarding the value of such scientific-governmental interaction.

Deadline:

January 31, 1984

For Further Information Contact:

American Chemical Society  
Amanda B. Huston  
Program Assistant  
Department of Public Affairs  
1155 - 16th Street NW  
Washington, DC 20036  
(202) 872-4384

(From 1983 ARIS)

### Joint Institute for Laboratory Astrophysics Fellowships and Associateships

No. FY84-221

Program:

The JILA is devoted to research, study and teaching in low-energy atomic and molecular

physics, chemistry, theoretical astrophysics, and closely related areas. Primary interest at present is an atomic and molecular structure and collisions, the chemistry of small molecules, laser physics and precision measurements, spectroscopy and spectral line broadening, solar physics, stellar atmospheres, stellar stability, the interstellar medium, observational astrophysics and geophysical measurement. The following programs are supported by the National Bureau of Standards of the U.S. Department of Commerce.

Visiting Scholarships: Approximately ten fellowships are awarded for independent research and study to scientists with extensive research experience beyond the significant degree, although younger persons with significant scientific achievements are also encouraged to apply. Deadline: January 13, 1984.

Postdoctoral Research Associateships: A number of one-year associateships are awarded to provide advanced research experience in the years immediately after the Ph.D. degree and are generally renewable for a second year. No deadline. Appointments are offered throughout the year with many appointments commencing in September. It is advantageous for applicants to apply early in the year.

Research Fellowships for Teachers: This fellowship is for a United States teacher in the physical sciences who, in his/her home college or university, has an active role in the instruction and counseling of minority and women students. Deadline: January 13, 1984.

For Further Information Contact:

Joint Institute for Laboratory  
Astrophysics  
University of Colorado  
Dr. Carl J. Hansen, Secretary  
Visiting Scientists Office  
JILA, Campus Box 440  
Boulder, CO 80309  
(303) 492-7796

(From 1983 ARIS)

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These new NEH Research Awards in Humanities, Science, and Technology will support research on a broad range of topics designed to improve the ability of the humanities to interpret, analyze and assess both the practices and the impact of science and technology. Appropriate foci for these new research projects might include, but need not be limited to: the form and content of scientific and technological knowledge, the interaction among science, technology and other elements of culture, and the conceptual and methodological foundations of humanities studies of science and technology. The program invites proposals which approach any of these foci from the perspectives of history, language and literature, philosophy, art history and criticism, comparative religion and philosophical methods.

Formal guidelines for the new award have been issued and are available in the Division of Research and Sponsored Programs. The first deadline will be March 1, 1984. However, applicants are urged to submit proposals by January 1, 1984.

### **National Science Foundation U.S.-Republic of Korea Cooperative Sciences Program**

No. FY84-214

**Program:**  
Proposals for cooperative research, short- and long-term visits, and workshops/seminars may be submitted in the emphasis areas of forest diseases and insect pests, marine biology, remote sensing technology, and other fields of NSF interest. Please note that short-time visits have no deadline for receipt of proposals.

**Deadline:**  
January 1, and July 1, 1984

For Further Information Contact:

National Science Foundation  
Directorate for Scientific,  
Technological, and International  
Affairs  
Division of International Programs  
Latin America and Pacific Section  
Dr. Gerald A. Edwards  
Room 1212

1800 G Street NW  
Washington, DC 20550  
(202) 357-9537

(From 1983 ARIS)

## **law**

### **American Bar Foundation Legal History Research Fellowships**

No. FY84-215

**Program:**  
Fellowships and grants of up to \$6,000 for three to nine months are awarded to encourage and assist scholars to begin or to bring to fruition and publication original research in English and American legal history. Applicants must hold or have passed the exams for a Ph.D. in history or a related subject, or the LL.B. or J.D. in law. Preference will normally be given to younger scholars.

**Deadline:**  
January 1, 1984

For Further Information Contact:

American Bar Foundation  
Program in Legal History  
1155 East 60th Street  
Chicago, IL 60637

(From 1983 ARIS)

### **Department of Justice Unsolicited Research Program**

No. FY84-209

**Program:**  
The NIJ announces a competitive research grant program that sponsors a limited number of projects that address significant issues pertaining to adult crime and criminal justice, that are of sound methodological design, and have potentially important implications for criminal justice policy, practice, research and/or theory. The range of funding for each grant will be from \$10,000 to \$120,000 for research of up to two years' duration.

**Deadline:**  
June 1, 1984

For Further Information Contact:

Department of Justice  
National Institute of Justice  
Unsolicited Research Program  
National Criminal Justice  
Reference Service  
Box 6000  
Rockville, MD 20850

(From 1983 ARIS)

## library

### Huntington Library Research Awards

No. FY84-220

Program:

This program awards grants to scholars for significant research in the collections of the Library in the fields of English and American history and literature as well as English art history. No grants are awarded for doctoral dissertations. The grants are of two types:

- Short-term Awards: from one to five months with stipends of \$750/month.
- Huntington Library-NEH Fellowships: three or four awards, made available through grants from the National Endowment for the Humanities, for periods of six to twelve months, with awards adjusted to need up to a maximum of \$1,833/month.

Deadline:

December 31, 1983\*

For Further Information Contact:

Huntington Library  
Martin Ridge  
Coordinator of Research  
1151 Oxford Road  
San Marino, CA 91108  
(213) 792-6141

\*Applications are accepted between October 1 and December 31 each year for awards within the 12-month period beginning on the following June 1.

(From 1983 ARIS)

## general

### Belgian American Educational Foundation, Inc. Graduate Fellowships for Study in Belgium

No. FY84-217

Program:

Fellowships of \$8,000 are available for advanced study at one of the Belgian universities or other institutions of higher learning. One applicant can be nominated by the Dean of the graduate or professional school of his/her university. Candidates must be American citizens, preferably under the age of 30, with a speaking and reading knowledge of French or Dutch, and must possess a master's degree or be working towards a Ph.D. or equivalent degree.

Deadline:

December 31, 1983

For Further Information Contact:

Belgian American Educational  
Foundation, Inc.  
Emile L. Boulpaep, M.D.  
President  
195 Church Street  
New Haven, CT 06510  
(203) 777-5765

(From 1983 ARIS)

### Educational Testing Service Visiting Scholar Program

No. FY84-229

Program:

The purpose of the Visiting Scholar Program of the National Assessment of Educational Progress is to provide opportunity for visiting scholars to further their experience in their fields of expertise and interest by extending their own research pertaining to the education of Black, Hispanic, and other minority students. Scholars will work closely with senior NAEP staff.

Qualifications:

A doctorate or the equivalent in training and experience in relevant discipline such as Psychology, Education, Sociology, Political Science, Public Policy, and evidence of prior research relevant to the education of minorities.

Stipend:

The stipend will be determined on the basis of current employment or on training and experience. Relocation and special expenses will be included as appropriate.

Deadline:

January 1, 1984

Proposal Guidelines:

For a copy of detailed guidelines, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7432. For applications, contact the following:

Dr. Marion Epsfein  
NAEP Visiting Scholar Program  
Educational Testing Service  
Princeton, New Jersey 08541

### Hoover Institution National Fellows Program

No. FY84-219

Program:

Postdoctoral fellowships are available to younger scholars for one full year of unrestricted creative research and writing at the Hoover Institution. Research projects deal with both current and historical policy.

issues in domestic and foreign affairs. Special emphasis is placed on those proposals that consider important policy issues facing the United States. A Fellow may concentrate research and writing in one or more fields of study such as political science, economics, modern history, international relations, law, and sociology.

**Deadline:**  
January 15, 1984

**For Further Information Contact:**

Hoover Institution  
Executive Secretary  
Stanford University  
Stanford, CA 94305  
(415) 497-0163

(From 1983 ARIS)

**Massachusetts Institute of Technology  
Study Fellowships for Scientists  
and Engineers in Science,  
Technology and Society**

No. FY84-222

**Program:**

Several one-year study fellowships are available to persons who have an outstanding record of performance in a particular field of engineering, science, or medicine and who wish to pursue further advanced studies on the relationship of science, technology, and society. Study at M.I.T. may be undertaken in the fields of science, technology, and public policy; social and historical studies of science and technology; technology and the political economy of industrial societies; and cultural dimensions of science and technology. Partial or full stipend is available, normally not to exceed \$25,000, and to be based on current salary.

**Deadline:**  
February 1, 1984

**For Further Information Contact:**

Massachusetts Institute of Technology  
Mellon Fellowship Committee  
Professor Leon Trilling  
Chairman  
STS Program, E51-128  
Cambridge, MA 02139  
(617) 253-4092

(From 1983 ARIS)

**Massachusetts Institute of Technology  
STS Research Fellowships**

No. FY84-223

**Program:**

Several one-year fellowships at M.I.T. on the

relationships of science, technology, and society are available to those with a Ph.D. degree or equivalent in the fields of science, engineering, social science, or the humanities with evidence of a commitment to research involving the interaction of science, medicine, or engineering with society. Areas of interest are as in FY84-222. Preference this year will be given to the history of science. Partial or full stipend is available, normally not to exceed \$25,000, and to be based on current salary.

**Deadline:**  
January 15, 1984

**For Further Information Contact:**

Massachusetts Institute of Technology  
Exxon Fellowship Committee  
Shawn Finnegan, Secretary  
STS Program, E51-128  
Cambridge, MA 02139  
(617) 253-4092

(From 1983 ARIS)

**Newberry Library  
Francis C. Allen Fellowships**

No. FY84-225

**Program:**

The Newberry Library Center for the History of the American Indian offers fellowships to women of Indian heritage who are pursuing an academic program at any stage beyond the undergraduate degree.

**Deadline:**  
February 1, 1984

**For Further Information Contact:**

Newberry Library  
Committee on Awards  
60 West Walton Street  
Chicago, IL 60610  
(312) 943-9090

(From 1983 ARIS)

**Newberry Library  
Monticello College Foundation  
Fellowship for Women**

No. FY84-224

**Program:**

A six-month fellowship, for work in residence at the Newberry by a woman scholar, carries a stipend of \$8,500. Applicants must have the Ph.D. The award is designed primarily for women at an early stage in their professional careers whose work gives clear promise of scholarly productivity and whose career would be significantly enhanced by six months of

research and writing. Preference will be given to applicants whose scholarship is particularly concerned with the study of women, but study may be proposed in any field appropriate to the Newberry's collections.

Deadline:  
January 15, 1984

For Further Information Contact:

Newberry Library  
Committee on Awards  
60 West Walton Street  
Chicago, IL 60610  
(312) 943-9090

(From 1983 ARIS)

**National Science Foundation  
Anthropology Program**

No. FY84-210

Program:  
Archaeology, and cultural, social, and physical anthropology spanning all topics, geographical areas, and methodologies, systematic research collections; human origins; the interaction of population, culture, and the environment; and the improved methods of radiocarbon and other techniques of dating and analysis.

Deadline:  
January 1,\* and August 1, 1984

For Further Information Contact:

National Science Foundation  
Directorate for Biological, Behavioral  
and Social Sciences  
Division of Behavioral and  
Neural Sciences  
John E. Yellen  
Program Director  
1800 G Street NW  
Washington, DC 20550  
(202) 357-7804

\*Proposals should be submitted by January 1 for research beginning after July 1 of that year, and submitted by August 1 for research beginning after February 1 of the following year.

(From 1983 ARIS)

**National Science Foundation  
Ecology**

No. FY84-211

Program:  
Grants for the study of the community ecology of land and inland waters, with emphasis on interactions such as competition, herbivory, pollination, and predation of natural and

agricultural ecosystems, and on coevolution within interacting groups; microbial ecology of soils and sediments, especially in relation to decomposition, nutrient cycling, and productivity; and influences on the distribution and abundance of animal and plant communities both now and in the recent geological past.

Deadline:  
January 16, June 15 and October 1, 1984

For Further Information Contact:

National Science Foundation  
Directorate for Biological, Behavioral  
and Social Sciences  
Division of Biotic Systems and  
Resources  
Nancy L. Stanton  
1800 G Street NW  
Washington, DC 20550  
(202) 357-9734

(From 1983 ARIS)

**National Science Foundation  
Population Biology and Physiological Ecology**

No. FY84-213

Program:  
Grants for the study of general principles that describe the adaptations of animals and plants to their microenvironments; evolutionary and ecological significance of life-history characteristics of plants and animals (including behavioral ecology); theoretical models for ecological genetics; adaptive significance of genetic variability; and physiological aspects of genetically determined enzyme variability.

Deadline:  
January 16, June 15 and October 1, 1984

For Further Information Contact:

National Science Foundation  
Directorate for Biological, Behavioral  
and Social Sciences  
Division of Biotic Systems and  
Resources  
Louis E. Pitelka  
1800 G Street NW  
Washington, DC 20550  
(202) 357-9728

(From 1983 ARIS)

**National Science Foundation  
Systematic Biology**

No. FY84-212

Program:  
Grants for the study of the identities, relationships, and distributions of living species of plants, animals, and micro-organisms;

fossil studies of extinct species to determine changes in biotic diversity through the earth's history; improved methods of gathering, processing, and analyzing systematic data; functional morphology; and chemosystematics.

**Deadline:**  
January 16, June 15 and October 1, 1984

**For Further Information Contact:**

National Science Foundation  
Directorate for Biological, Behavioral  
and Social Sciences  
Division of Biotic Systems and  
Resources  
Lloyd Knutson  
1800 G Street NW  
Washington, DC 20550  
(202) 357-9588

(From 1983 ARIS)

**Resources for the Future  
Gilbert F. White Fellowship Program**

**No. FY84-230**

**Program:**  
Resources for the Future will award two resident fellowships for the 1984-1985 academic year in honor of Gilbert F. White, retired chairman of the RFF board. The fellowships are intended for young professionals who wish to devote a year to scholarly work on a social or policy problem in the areas of natural resources, energy, or the environment.

**Eligibility:**  
The award is open to individuals in any discipline who will have completed their doctoral requirements by the beginning of the 1984-1985 academic year. Faculty members who will be on sabbatical leave during this period are encouraged to apply.

**Stipend:**  
\$24,000, plus research support, office facilities, and up to \$1,000 for either moving expenses or living expenses for families with children.

**Duration:**  
A minimum of nine and a maximum of twelve months.

**Deadline:**  
March 1, 1984

**Applications:**  
For further information and application forms, write to:

Emery N. Castle  
President  
Resources for the Future  
1755 Massachusetts Avenue NW  
Washington, DC 20036

**Resources for the Future  
Small Grants Program**

**No. FY84-231**

**Program:**  
Resources for the Future has initiated a program of small grants to be awarded for the support of research on issues related to the environment, natural resources, or energy. The problem is intended to address a need that is not now being met by most funding agencies, which tend to emphasize large projects and require complex lengthy applications. Proposals for the grants may originate in the humanities or in the social or natural sciences. They may deal with either theoretical or applied topics, but they must be focused on research.

**Eligibility:**  
Researchers of all nationalities are eligible. Ongoing as well as new projects will be considered.

**Amount:**  
The maximum grant will be \$30,000, but most will be smaller. Overhead at 10% is allowed.

**Duration:**  
Projects should run for at least two months and not more than two years.

**Deadline:**  
March 1, 1984

**Applications:**  
For further information and application forms, write to:

Mrs. Jean Schanz  
Resources for the Future  
1755 Massachusetts Avenue NW  
Washington, DC 20036

**Soviet/East European and International  
Security Program  
Ford Foundation Dual Competence Fellowships**

**No. FY84-226**

**Program:**  
Graduate degree and postdoctoral training awards are available in amounts to be determined according to individual budget statements, for study at a university or research institution leading to dual competence in Soviet/East European studies and international security and arms control. Competition for the awards is open to specialists in either of these fields wishing to gain competence in the other. This competition is multidisciplinary and encourages the participation of political scientists, economists, historians, sociologists, linguists, physical scientists, lawyers, and engineers who specialize in one or the other of the two fields and wish to gain competence in the other. Graduate degree fellowships are intended for those in the

all-but-dissertation stage who are willing to devote an extra year of study to dual competence training.

Deadline:  
January 31, 1984

For Further Information Contact:

Soviet/East European and International Security Program  
Charles W. Thomas  
Administrative Director  
Box 53, International Affairs Building  
Columbia University  
420 West 118th Street  
New York, NY 10027  
(212) 280-3535

(From 1983 ARIS)

**Woodrow Wilson National Fellowship Foundation  
Charlotte W. Newcombe Doctoral Dissertation Fellowships 1984**

No. FY84-227

Program:

Approximately 48 fellowships of \$7,500 each are available to encourage original and significant study in ethical or religious values in all areas of human endeavor. Applicants must be enrolled in a doctoral program in either the humanities or the social sciences at a graduate school in the United States and expect to complete all doctoral requirements except the dissertation by January 1984.

Deadline:  
December 23, 1983\*

For Further Information Contact:

Woodrow Wilson National Fellowship Foundation  
Box 642  
Princeton, NJ 08540

\*Applications must be requested by December 23rd, and completed applications must be postmarked by January 6th.

(From 1983 ARIS)

**Zonta International  
1984-85 Emilia Earhart Fellowships**

No. FY84-228

Program:

Approximately 30 fellowships of \$5,000 each are awarded annually to women for graduate study in aerospace-related sciences and engineering. Applicants must have by the beginning of the 1984 academic year: 1) a bachelor's degree preparatory for advanced

study and research in a qualifying area of science or engineering; 2) a superior academic record and evidence of potential; and 3) an acceptance by an institution offering fully accredited graduate courses and degrees in aerospace-related sciences and engineering.

Deadline:  
December 31, 1983

For Further Information Contact:

Zonta International  
35 East Wacker Drive, Suite 2040  
Chicago, IL 60601  
(312) 346-1445

(From 1983 ARIS)

## current publications and other scholarly works

Current publications should be mailed to the Division of Research and Sponsored Programs, Room 314, Administration Building.

### COLLEGE OF ARTS AND LETTERS

#### American Studies

- Allen, Barbara  
B. Allen and L. Montell. 1983. A Biographical Approach to the Study of Memorates. International Folklore Review 2:85-104.
- Schlereth, Thomas J.  
T.J. Schlereth. 1983. Edward Frederick Sorin and the Founding of Notre Dame. Eerdmans' Handbook to Christianity in America. W.B. Eerdmans Company, Grand Rapids, Michigan. Pages 248-252.

#### Core Course

- Neiman, Alven M.  
A.M. Neiman. 1983. The Generality Most Worth Having: Reflections on the Carnegie Report. Perspectives: The Journal of the Association for General and Liberal Studies 13(1):41-47.

#### Economics

- Kwan, Kim S.  
K.S. Kwan and G. Turrubiate. 1983. Structures of Foreign Trade and Their Impacts on Factor-Content, Employment, and the Distribution of Income: Case of Mexico. El Trimestre Economico 50(4):2173-2192.
- Skurski, Roger B.  
R.B. Skurski. 1983. Soviet Marketing and Economic Development. Macmillan, London, and St. Martin's, New York. 174 pp.
- R.B. Skurski. 1983. Editor. New Directions in Economic Justice. Univer-

## awards received

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
AWARDS FOR RESEARCH				
History	Hatch	Editing the Early Sermons of Jonathan Edwards	Univ. Bridgeport	35,433 26
Medieval Inst.	McInerny	Mary M. Davis Collection of Italian Renaissance Art	Kress Fdn.	50,000 12
Physics	Kolata	Scientist-in-Residence Argonne National Laboratory	Argonne Natl. Lab.	39,197 12
Communication Theatre	Leff	Performance Theory: Problems in Contemporary Theatre, Blau	Natl. Endow. Humanities	2,700 2
Communication Theatre	Leff	NEA Composers Fellowship Grant	Natl. Endow. Arts	5,000 11
Chemistry	Castellino	Catalytic Properties of Blood Coagulation Protein C	Amer. Heart Assocn.	21,780 12
Chemical Eng.	Ivory	Analysis of a Proposed Continuous Flow Device (PCFE)	Natl. Sci. Fdn.	39,572 12
Electrical Eng.	Sain	Alternatives for Jet Engine Control	Natl. Aero. Space Admin.	77,230 12
Chemical Eng.	McHugh	Special Topics in Thermodynamics	Exxon Chem. Co.	63,908 12
AWARDS FOR SERVICE PROGRAMS				
Inst. Past. Soc. Min.	Melloh	Notre Dame Center Pastoral Liturgy-Publications	---	609
Inst. Past. Soc. Min.	Pelton	Notre Dame Institute Clergy Education	---	12,072 --
Inst. Past. Soc. Min.	Melloh	Notre Dame Center Pastoral Liturgy	---	1,496 --
Inst. Past. Soc. Min.	Melloh	Notre Dame Center Pastoral Liturgy-Workshops	---	9,452 --

## proposals submitted

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
PROPOSALS FOR RESEARCH				
Chemical Eng.	Wolf	Transient FTIR Studies of Catalytic Reactions	Natl. Sci. Fdn.	143,885 24
Biology	Martin	Development of a Multipotent Stem Cell, the Interstitial Cell	Natl. Sci. Fdn.	307,990 38
Civil Eng.	Irvine, Kulpa	Structured Biological Models	Natl. Sci. Fdn.	168,061 12
Electrical Eng.	Antsaklis, Kantor	Robust Multivariable Control. Design for Chemical Processes	Natl. Sci. Fdn.	352,211 24
Mathematics	Stanton	Eigenvalues of Complex Laplacians	Natl. Sci. Fdn.	60,938 36
Mathematics	Pillay	Topics in Model Theory	Natl. Sci. Fdn.	49,853 36
Microbiology	Kulpa	Pilot Plant Studies	Occidental Chemical Corp.	26,433 12

Department or Office	Principal	Short title	Sponsor	Dollars Months
Mathematics	Knight, Nadel	Mathematical Sciences: Model Theory	Natl. Sci. Fdn.	33,648 12
Electrical Eng.	Antsaklis, Kantor	Robust Multivariable Control Design for Chemical Processes	Dept. Energy	380,051 24
Chemistry	Serianni	Biologically-Important Furanosyl Rings	Natl. Inst. Health	90,286 12
Biology	Martin	Nicotine Effects on Development	Natl. Inst. Health	47,518 12
Chemistry	Lappin	Stereoselectivity in Electron Transfer	Natl. Inst. Health	92,684 12
Biology	Tweedell	Factors Controlling Metastasis	Phi Beta Psi Sorority	14,272 12
Biology	Rai	Genetic Differentiation in the <i>Aedes albopictus</i> Subgroup	Natl. Inst. Health	81,551 12

PROPOSALS FOR FACILITIES AND EQUIPMENT

Physics	Johnson	Computing Equipment for RRPA Calculations	Natl. Sci. Fdn.	90,000 38
Physics	Garg, Mihelich, Funk, Kolata	BGO Detector System - Phase I	Dept. Energy	205,624 18

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Inst. Urban Studies	Broden, King	Upward Bound	Dept. Education	305,293 12
College Eng.	Brach, Akai	Women and Minorities in Engineering	Dept. Energy	55,331 2
Biology	Weinstein	Experimental Parasitology and Vector Biology	Natl. Inst. Health	159,617 12

PROPOSALS FOR OTHER PROGRAMS

Inst. Urban Studies	Broden, Outlaw	Educational Talent Search	Dept. Education	154,682 12
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## summary of awards received and proposals submitted

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	287,923	3	46,897	9	334,820
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	4	23,629	4	23,629
Other Programs	0	0	0	0	0	0
Total	6	287,923	7	70,526	13	358,449

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	4	289,080	10	1,560,301	14	1,849,381
Facilities and Equipment	0	0	2	295,624	2	295,624
Instructional Programs	2	464,910	1	55,331	3	520,241
Service Programs	0	0	0	0	0	0
Other Programs	1	154,682	0	0	1	154,682
Total	7	908,672	13	1,911,256	20	2,819,928

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## notre dame report

An official publication of the University of Notre Dame, Department of Information Services. Individual copies are available in the Notre Dame Hammes Bookstore at 50 cents each. Mail subscriptions are \$10 per year. Back copies are available through the mail at 70 cents each.

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