

notre dame report

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the university

fitzpatrick hall dedication panel discussion

All faculty members of the University are invited to attend a panel discussion on the future of science and technology in the Third and Fourth Worlds held as part of the dedication of the Fitzpatrick Hall of Engineering on October 5 from 1:30 p.m. to 3:15 p.m. in the auditorium of the Center for Continuing Education. Presiding at the discussion will be Prof. Timothy O'Meara, provost of the University. Father Hesburgh will be the moderator, and the four discussants will be members of the U.S. delegation to the recent U.N. Conference on Science and Technology for Development in Vienna. Father Hesburgh was cochairman of the delegation along with Jean Wilkowski, coordinator for the U.S. delegation, who will be one of the panelists. The others are James P. Grant, head of the Overseas Development Council and executive director designate of UNICEF; Rodney Nichols of The Rockefeller University, and Dr. Victor Rabinowitch of the National Academy of Sciences.

president's address to the faculty

The annual President's address to the faculty of the University will be delivered by Father Hesburgh at 4:30 p.m. Oct. 8 in Washington Hall.

national conference on abortion

The attention of the faculty is called to the National Conference on Abortion, sponsored by the Center for the Study of Man in Contemporary Society October 15-17 in the Center for Continuing Education. Thirteen speakers have been invited to discuss some of the ethical issues raised by the legalization of elective abortion and not thus far notably resolved by debate. These range from the determination of public attitudes toward abortion media treatment of abortion; the effect of abortion on those medical practitioners who perform it; an evaluation of social science research on abortion; a survey of adoption in America, and the debate over public funding of abortion. The faculty is invited to attend the 2-hour sessions, which begin Monday at 2 p.m. and end Wednesday at 4 p.m., as space permits. A schedule of the conference can be obtained by writing the Center for Continuing Education.

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tiaa pension plan meetings

Larry Hershberger, assistant vice president, and Harlan Strader, benefit plan counselor, of Teachers Insurance and Annuity Association (TIAA), will conduct meetings to review the TIAA Pension Plan with faculty and eligible staff administrators.

The meetings will be held from 10 to 11:30 a.m. and 3 to 4:30 p.m. in the auditorium of the Center for Continuing Education. Spouses are welcome to attend the meetings.

university herbaria recognized

Notre Dame's herbaria have been officially designated as a National Resource Collection by the American Society of Plant Taxonomists. With over 250,000 specimens of preserved plants, Notre Dame's herbaria are the largest in Indiana.

united way campaign

Notre Dame's United Way campaign will get underway October 1 with a goal of \$70,800--an increase of over seven per cent from the 1978 goal. Funds raised in the campaign are used to support the work of some 33 service agencies in St. Joseph County. The chairman of this year's campaign drive is Ronald Weber, professor of American studies. Directing the student campaign is Chris Digan, a junior in the College of Business Administration.

archives display

The University Archives has mounted an exhibit in the Memorial Library concourse celebrating the 100th anniversary of the opening of the Main Building. "The Notre Dame Main Building: Fact and Symbol, 1879-1979" will occupy the seven display cases for the entire fall semester. An illustrated catalog, in the form of an interpretive essay by Thomas J. Schlereth, associate professor of American studies, accompanied by historical photographs, will be available in the Archives, 607 Memorial Library.

faculty notes

appointments

Edward Blackwell, director of minority student affairs, will also assume the interim directorship of the College of Arts and Letters' Black Studies Program, replacing James B. Stewart, assistant professor of economics, who is on leave under a National Endowment for the Humanities research fellowship.

Rev. Francis T. Cafarelli, C.S.C., has left his post as staff professional specialist in the Freshman Year of Studies to become director of student accounts, replacing Rev. Michael J. Heppen, C.S.C.

honors

Thomas P. Cullinane, associate professor of aerospace and mechanical engineering, has been elected national vice president of the College-Industry Council on Material Handling Education which receives its financial support from The Material Handling Institute, Inc.

Arnim Henglein, visiting scientist at the Radiation Laboratory and visiting professor of chemistry, was elected to the Council of the International Congress of Radiation Research at the recent meeting of the congress in Tokyo.

Morris Pollard, chairman and professor of microbiology and director of the Lobund Laboratory, has been appointed a special consultant to the Office of the Dean, Rush Medical School, Chicago.

Julian Samora, professor of sociology and anthropology, has been appointed to the editorial boards of the Latin America Review and Migration Today. Samora has also been appointed to a review panel for the National Science Foundation.

Howard J. Saz, professor of biology, has been invited to serve on the editorial board of "Molecular and Biochemical Parasitology."

Thomas J. Schlereth, associate professor of American studies, has been named program chairman of the American Studies Association Regional American Studies Midwest Conference to be held jointly at the Newberry Library and the Chicago Historical Society, Chicago, Dec. 7-8.

James. H. Seckinger, professor of law, was recently appointed chairman of the Committee on Teaching of Trial Advocacy, Litigation Section, American Bar Association.

Roland B. Smith, Jr., associate professional specialist in the Institute for Urban Studies and director of the Upward Bound Program, has been appointed to the Indiana State Advisory Committee of the United States Commission on Civil Rights.

Eugene C. Ulrich, associate professor of theology, has been appointed an associate editor of the Catholic Biblical Quarterly for 1979-83.

activities

Peri E. Arnold, associate professor and chairman of government and international studies, presented a paper, "The Presidency and Reorganization: A Comparative Analysis of Six Cases, 1905-1955," at the 1979 annual meeting of the American Political Science Association, Washington, D.C., Aug. 31-Sept. 3.

Sheilah O'Flynn Brennan, associate professor of philosophy, chaired a session on Hebraic and Hellenic Roots of Analogy at the fourteenth International Congress on Medieval Studies, Western Michigan University, Kalamazoo, May 3-6.

Stephen R. Carpenter, assistant professor of biology, presented a simulation model of aquatic plant decomposition at the annual meeting of the American Society of Limnology and Oceanography, June 19-22, at S.U.N.Y. at Stony Brook. Carpenter also presented a new method of measuring mortality and production of hierarchically structured plants at the American Institute of Biological Sciences meeting held Aug. 13-16 at Oklahoma State University, Stillwater.

Francis J. Castellino, dean of the college of science and professor of chemistry, lectured on "Molecular Properties of Plasminogens from Different Mammalian Species" to the Pharmaceutical Research Division of New England Nuclear, N. Billerica, Mass., Aug. 22.

Byung T. Cho, associate professor of management, presented a paper, "The Residential Demand for Natural Gas" at the annual meeting of the American Statistical Association in Washington, D.C., Aug. 16.

Fred R. Dallmayr, Dee Professor of Government and International Studies, presented a paper, "Habermas and Social Evolution," at the 1979 annual meeting of the American Political Science Association, Washington, D.C., Aug. 31-Sept. 3.

Vincent P. De Santis, professor of history, while on a Fulbright Professorship to Australia from May-September 1979, lectured on the American Presidency, American politics, and American foreign affairs at the Universities of Queensland, New South Wales, Sydney, La Trobe, and Melbourne and at the Australian National University and the Royal Military College in Australia; and in New Zealand at the Universities of Auckland, Waikato, and Canterbury.

De Santis also participated in a conference at Taipei, Taiwan in July on the matter of the security of the Western Pacific nations where he read a paper on President Carter's "Two China Policies."

Guillermo J. Ferraudi, assistant professional specialist in the Radiation Laboratory, presented two papers, "Photochemistry of Iron (III) Complexes with Macrocyclic Ligands" and "Flash Photolytic Study of Trans-Cr(tfa)₃ in Nonaqueous Solvents" at the American Chemical Society meeting held in Washington, D.C. Sept. 10-14.

Ester Fuchs, instructor in government and international studies, presented a paper, "Mayor Daley and the City That Words," at the annual meeting of the American Political Science Association, Washington, D.C., Aug. 31-Sept. 3.

K. Paul Funabashi, associate faculty fellow in the Radiation Laboratory, presented a paper (co-authored by W.P. Helman of the Radiation Laboratory) entitled "Theoretical Aspects of Electron Scavenging Reaction" at the 6th International Congress of Radiation Research held in Tokyo, Japan, May 13-19. Funabashi also chaired a session on "Unsolved Problems in the Primary Processes in Radiation Chemistry" at the Symposium on Fundamental Applied Radiation Chemistry held in Kyoto, May 22.

Alexander J. Hahn, associate professor of mathematics, delivered two lectures, "Isomorphism of the Integral Orthogonal Groups" and "Pseudo-orthogonal Groups and a Unification of the Isomorphism Theory" at the Conference on Abstract Homomorphisms of Algebraic Groups held at Pennsylvania State University, University Park,

Pa., May 28-June 2.

William H. Hamill, professor emeritus of chemistry and senior scientist in the Radiation Laboratory, chaired the Symposium on Intermediate Species in Rigid Organic Systems held at the 6th International Congress of Radiation Research held in Tokyo, Japan, May 13-19. He also presented a paper "Excess Electron Energy Levels in Liquid Alkanes" at a symposium on Unsolved Problems in Radiation Chemistry at the University of Kyoto, May 22.

Rev. Theodore M. Hesburgh, C.S.C., University President, spoke at the 75th anniversary of Assumption College in Worcester, Mass., Sept. 18.

Stephen D. Kertesz, professor emeritus of government and international studies, delivered two lectures entitled "From the Second Vienna Award to Paris: Transylvania and Hungarian-Rumanian Relations During World War II" at the Symposium on Transylvania, Kent State University, May 18-20. He also chaired the opening session of the XIIth International Conference on "East and West in the Seventies" in Wildbad Kreuth, Bavaria, May 23-27.

Lloyd H. Ketchum, Jr., associate professor of civil engineering, presented two papers at the 87th National Meeting of the American Institute of Chemical Engineers held in Boston, Aug. 19-22: "Flexible Operation of Intermittent Systems" (co-authored with Robert L. Irvine, associate professor of civil engineering), and "Design of Overland Flow Treatment Sites on Sandy Soils."

Richard W. Komuniecki, a postdoctoral research fellow, presented a paper (co-authored with Howard J. Saz, professor of biology, and P. Komuniecki) entitled "Branched-chain Fatty Acid Synthesis from Pyruvate and Succinate in Intact *Ascaris* mitochondria," at the annual meeting of the American Society of Parasitologists, Minneapolis, Minn., July 29-Aug. 3.

Lawrence H. N. Lee, professor of aerospace and mechanical engineering, presented a paper, "On Dynamic Stability and Quasi-Bifurcation" at the 16th Annual Meeting of the Society of Engineering Science at Northwestern University in Evanston, Sept. 4-7.

Thomas V. Merluzzi, assistant professor of psychology, presented a paper, "Group Structure and Group Process: Explorations in Therapeutic Sociality" (co-authored with Greg J. Neimeyer, graduate student in psychology,) at the Third International Congress on Personal Construct Psychology, Breuhelen, The Netherlands, July 12.

Asokendu Mozumder, associate faculty fellow in the Radiation Laboratory, presented a paper, "Electron Thermalization in Gases" at the 6th International Congress of Radiation Research held in Tokyo, Japan, May 13-19. Mozumder also presented a paper, "Physical

Properties Related to Electron Transport in Liquefied Rare Gases" at the Institute of Physical and Chemical Research, Saitama, Tokyo, May 19.

Rev. Edward D. O'Connor, C.S.C., associate professor of theology, lectured at the annual Charismatic Conference in Southampton England, July 30-Aug. 3, on the topics, "Christian Community" and "Repentance and Healing."

Larry K. Patterson, associate professional specialist in the Radiation Laboratory, presented a paper, "Radical Processes in Model Lipid Systems. A Pulse Radiolysis Study" at the 6th International Congress of Radiation Research held in Tokyo, Japan, May 13-19. Patterson also presented a paper "Radical Processes in Lipids" at Shizuoka University, Shizuoka, Japan, on May 21.

Morris Pollard, professor and chairman of microbiology and director of the Lobund Laboratory, delivered three papers at the annual meeting of the Association for Gnotobiotics held at the Sloan-Kettering Institute for Cancer Research in New York City, July 8-11: "Development of AKR Leukemia in Germfree Allogeneic CFW Chimeric Mice", "Promotion of Liver Tumors in 'Normal' Gnotobiotic Wistar Rats by Orally Administered Phenobarbital" and "Absence of Immunocytomas in Gnotobiotic Lou-C Male Rats." Pollard also participated in the Miles Symposium on Polypeptides at the Johns Hopkins Medical Center, Baltimore, Md., July 11-13. Pollard also presented a paper, "Model Tumor Systems" at a symposium on Animal Quality and Models in Biomedical Research at the annual meeting of the International Committee on Laboratory Animals in Utrecht, The Netherlands, Aug. 21-24.

Kenneth F. Ripple, associate professor of law, participated in discussion and the planning session of the Committee on the Federal Constitution, New York State Bar Association, New York City, Sept. 10.

Norlin G. Rueschhoff, chairman and associate professor of accountancy, served on the 1975-78 American Accounting Association Nominating Committee for Notable Contributions to Periodical International Accounting Literature.

John A. Ruhe, associate professor of management, was an invited guest panelist on business ethics at the Dedication of William E. Urschel Hall, College of Business Administration, Valparaiso University, on Sept. 9.

Michael K. Sain, professor of electrical engineering, received the Corporate Plaque Award for a Quality Technical Publication from the Bendix Corporation for his paper "Linear Multivariable Synthesis with Transfer Functions" (co-authored with Joseph L. Peczkowski.)

Howard J. Saz, professor of biology, presented a paper (co-authored with P. R. Komuniecki) entitled "Production of Branched-chain Fatty Acids by *Ascaris mitochondria*," at the annual meeting of the American Society of Parasitologists, July 29-Aug. 3, Minneapolis, Minn.

V. M. L. Srivastava, postdoctoral research associate in biology, presented a paper, "Amino Acid Metabolism in *Brugia pahangi*" at the annual meeting of the American Society of Parasitologists, July 29-Aug. 3, Minneapolis, Minn.

Carleton W. Sterling, assistant professor of government and international studies, presented a paper, "Voter Participation: Public Policy and Public Response," at the 1979 annual meeting of the American Political Science Association, Washington, D.C., Aug. 31-Sept. 3.

M. Katherine Tillman, assistant provost and associate professor in the General Program of Liberal Studies, delivered the keynote address, "The Educator as Liberal Artist," for the opening of the academic year to the faculty of Mundelein College, Chicago, Sept. 13.

James R. Stock, assistant professor of marketing, was an invited participant to the Association of American Railroads/American Trucking Association Carrier Management Conference held at the University of Minnesota, Minneapolis, Sept. 9-11.

Eugene C. Ulrich, associate professor of theology, gave a presentation, "Toward a Critical Edition of the Greek Text of 2 Samuel 14" while directing a three-day continuing seminar in "Old Testament Textual Criticism" at the Catholic Biblical Association's annual meeting, Boston College, Aug. 21-24.

Robert P. Vecchio, assistant professor of management, presented a paper, "A Longitudinal Study of Organizational Commitment Among Executive Newcomers" at the annual meeting of the American Statistical Association in Washington, D.C., Aug. 16.

R. Brian Walsh, director of the Computing Center, presented an invited address to the IBM Higher Education Executive Conference on the "Advantages and Disadvantages of the Combined Computing Center" held in Phoenix, Ariz., July 23-25.

Phyllis M. Webb, assistant professor of microbiology, delivered a paper, "Mitogen Responses of Germfree Mice Fed Chemically Defined or Natural Diet" at the annual meeting of the Association for Gnotobiotics held at the Sloan-Kettering Institute for Cancer Research in New York City, July 8-11.

James L. Wittenbach, Peat, Marwick, Mitchell Associate Professor of Accountancy, presented a paper, "Liquidity Management Practices of U. S. Corporations" at the International Atlantic Economic Conference held in Salzburg, Austria, May 14. Wittenbach also served as a faculty member at the 1979 American Institute of Certified Public Accountants, University of Michigan Joint National Tax Education Program, Ann Arbor, Michigan, July 23-25.

Bernard S. Wostmann, professor of microbiology, delivered two papers at the annual meeting of the Association for Gnotobiotics held at the Sloan-Kettering Institute for Cancer Research in New York City, July 8-11: "Effect of Glucose-Amino Acid Diets on Metabolic Parameters and Thyroid Function of Germfree C3H Mice" and "Thyroid Hormones in Older Germfree Rats and Mice."

advanced studies

notes for principal investigators

University Committee on the Protection of Human Subjects (UCPHS) Meetings and Due Dates for Project Descriptions

For the first semester of academic year 1979-80, the UCPHS has scheduled meetings for the first Friday of every month at 2:30 p.m. Project descriptions for review at these meetings are due in the Office of Research and Sponsored Programs 10 working days prior to the meeting. Submissions not meeting the due date requirement will be held till the next scheduled meeting.

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.

Department of Energy Faculty Development Projects in Energy Education

No. FY80-25

The U.S. Department of Energy, Education Programs Division, desires to receive and consider for support proposals for faculty development projects in energy education under the direction of college or university faculty in the following three (3) areas:

1. Summer Workshops - Four year College, Community College and two year Postsecondary Technical Education Teachers
2. Summer Workshops - High School Teachers
3. In-Service Workshops - Elementary and/or Junior High School Teachers

Offerors may propose on any one, any combination, or all of the programs mentioned above. A separate, detachable proposal must be submitted for each area proposed.

The due date for receipt of proposals is Nov. 1, 1979.

Canadian Embassy Canadian Studies Faculty Enrichment Program

No. FY80-26

Program:

The Faculty Enrichment Program of the Canadian Embassy is designed to enable selected faculty of United States universities and colleges to undertake study and research relating to Canada in order to devise a new course (or courses) in Canadian studies to be offered as part of their regular teaching load. The program provides an award to help meet living and travel expenses for periods of up to six months.

Deadline:

Applications must be received by Oct. 31, 1979 for grants which are tenable between April 1, 1980 and March 31, 1981.

Application procedures, guidelines and conditions are too lengthy to include in this Information Circular. For details, contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

Inter-American Foundation The Latin American & Caribbean Learning Fellowship on Social Change

No. FY80-27

Program:

The Latin American and Caribbean Learning Fellowship on Social Change provides opportunities for scholars to learn about processes related to social change in Latin America and the Caribbean. The Fellowship is designed to enable the fellow to study the change process through affiliation with a host country institution. The objectives on social change are: 1. to finance research in Latin America and the Caribbean in predoctoral and postdoctoral studies; 2. to contribute to research and scholarship on social change; 3. to provide an opportunity to learn about social change processes in association with Latin America and Caribbean scholars and practitioners; and 4. to involve the academic community in learning about social change from a multidisciplinary and problem-oriented perspective.

Eligibility:

Doctoral and postdoctoral fellowships are open to scholars in the social sciences and professions with knowledge of Latin America or the Caribbean. Applicants must have a multidisciplinary background and should be concerned with the processes of social change from a problem-oriented perspective. Doctoral candidates must be enrolled in higher education institutions and have fulfilled all degree requirements other than the dissertation. Postdoctoral fellows must have received their degree within three years prior to application.

Stipend:

Stipends vary from country to country but average about \$550 per month. Allowances for the fellow and legal dependents include maintenance, transportation and health and accident insurance. Limited research related expenses are also available.

Institutional Affiliation:

It is required that each fellow be affiliated with a Caribbean or Latin American institution.

Duration:

Research will be supported for a minimum of six months, and up to a maximum of 24 months.

Priorities:

While all research topics concerning the processes of social change in Latin America and the Caribbean will be considered, there are several priorities. For a list of these priorities, contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

Deadline:

Applications must be postmarked on or before Dec. 5.

Applications:

Application forms may be obtained by writing to:

Learning Fellowship on Social Change
Inter-American Foundation
1515 Wilson Boulevard
Rosslyn, VA 22209

**Florida State University
Excavations in Chianti, 1980**

No. FY80-28

Program:

The Department of Classics at Florida State University plans to continue, in the summer of 1980, its excavations at the north Etruscan hilltop site of Cetamura, in the region of Chianti, Italy. Previous excavations have revealed extensive remains of stone walls and tiles from the buildings of the settlement, as well as pottery, coins and metalwork ranging in date from the fourth century B.C. to the period of the early Roman empire.

The excavation is to be conducted as a field school, with appropriate instruction and with special field trips. The excavation fee will be around \$600. This includes full board at the excavation and transportation and accommodations on the field trips. Fees for transportation are additional. The anticipated dates for the dig are mid-July to mid-August.

Two assistantships in the field school will be offered to applicants with the appropriate qualifications. For further information about the excavation in general and about the assistantships, write to:

Professor John J. Reich
Department of Classics
Florida State University
Tallahassee, FL 32306

Deadline:

There is no indication what the deadline for the summer of 1980 will be. However, the deadline for the summer of 1979 was March 15.

**Education Exchange Program
National Academy of Sciences
Committee on Scholarly Communication
with the People's Republic
of China (CSCPRC)**

No. FY80-29

Advanced Training Program:

Fellowships are available for individuals beyond the bachelor's level, with preference given to individuals engaged in scholarly studies at the predoctoral level, for a program of advanced training in the People's Republic of China. Three to four years of modern standard Chinese are required, but for natural scientists this requirement may be relaxed. Minimal tenure is 10 months with a maximum of one year.

Research Program:

Research grants are available for scholars who have received the Ph.D. but also for a limited number of especially well-qualified advanced doctoral candidates.

Senior Scholar Program:

The CSCPRC may continue a Senior Scholar research program in academic year 1980-1981. This program, limited to researchers at the level of Associate Professor or above, has been a reciprocal exchange program with the Scientific and Technical Association of the People's Republic of China. Applicants to the National Research Program described above who are eligible will be given the opportunity, if that program is continued, to indicate on their applications whether or not they wish to be considered for it.

Deadline:

Applications must be postmarked no later than Nov. 2, 1979.

Applications:

Applications are now available at the following address:

CSCPRC
Educational Exchange Program
National Academy of Sciences
2101 Constitution Avenue
Washington, D.C. 20418

**The National Council for Soviet and
East European Research
1979-1980 Research Program**

No. FY80-30

The National Council for Soviet and East European Research invites proposals for research contracts in its

1979-1980 Research Program. This program will concentrate on processes of change in the contemporary Soviet Union and the states of Eastern Europe. It will be especially concerned with the ability of the regimes to foster, manage and contain these processes and with the possible systemic and strategic corollaries and consequences of their efforts to do so.

The Council will receive proposals on a continuing basis and will review and contract for approved proposals on a semi-annual schedule of Nov. 1 and May 1.

Eligibility:

Eligibility is limited to scholars at the postdoctoral level. The council will consider proposals for both large (including collaborative) and small projects, with a duration of not more than two years.

Applications:

Applications should be submitted in the form of institutional proposals for research contracts. Because the council operates with public funds its contracts involve provisions comparable to those of federal research contracts, and sponsoring institutions should be prepared to administer that level of complexity.

Guidelines for the preparation and submission of proposals are available from:

The National Council for Soviet and East European Research
1 Oxford Street
Cambridge, MA 02138

The Guidelines and a Budget Preparation Form are also available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

**National Endowment for the Humanities
Youth Projects**

No. FY80-31

NEH Youth Projects are designed to encourage new and challenging out-of-classroom opportunities for young people to develop their knowledge and skills in the humanities.

NEH Youth Projects offers two categories of support: "Major Project Grants" and "Planning and Pilot Grants." Major Project Grants are intended for organizations requiring extensive implementation support. In past years, most grants have been within the range of \$5,000 to \$25,000. Occasionally, grants of \$100,000 and more are made for projects designed to reach exceptionally broad youth audiences at a regional or national level. All Major Project Grants should involve hundreds of young people in participatory learning experiences in the humanities. Planning and Pilot Grants--with an application deadline in April--will make available smaller awards of \$2,500 or \$5,000.

NEH Youth Projects must focus on the disciplines of the humanities, which include history, philosophy, literature, history and criticism of the arts, and those aspects of the social sciences employing historical or philosophical approaches.

Awards made in this area have been for the development of resource materials, outreach programs, group research projects, workshops, media projects and other activi-

ties in the humanities.

The deadline to apply for Major Project Grants is Dec. 1, 1979.

**The Council for Philosophical Studies
Visiting Philosopher Grants**

No. FY80-32

The Council for Philosophical Studies has announced its application deadlines for grants to assist colleges in inviting distinguished philosophers to participate in public lectures, colloquia, visits to classes and discussions during spring and fall 1980. Priority in funding the two or three day visits is given to institutions which do not ordinarily have access to distinguished philosophers.

Deadlines:

Oct. 29, 1979 for spring 1980 visits.
March 31, 1980 for fall 1980 visits.

For further information write to:

The Council for Philosophical Studies
San Francisco State University
1600 Holloway Avenue
San Francisco, CA 94132

**National Science Foundation
Alan T. Waterman Award**

No. FY80-33

The National Science Foundation Alan T. Waterman Award Committee has issued a call for nominations of candidates for the fifth annual Award.

Intended to give recognition to an outstanding young researcher in any field of science, mathematics or engineering and to encourage further high quality research, the award was established by the Congress in 1975 to mark the 25th anniversary of the National Science Foundation and to honor the first director of the foundation, Dr. Waterman.

In addition to a medal, the recipient receives up to \$50,000 per year for up to three years of research or advanced study in the mathematical, physical, medical, biological, engineering, social or other sciences at the institution of the recipient's choice.

Deadline for nominations for the 1980 award to be received by the Award Committee at the NSF is Dec. 31, 1979. Announcement of the award will be made in May 1980.

Candidates for the award must be U.S. citizens and must be 35 years of age or younger as of Dec. 31, 1979. Candidates should have completed sufficient scientific or engineering research to have demonstrated, through personal accomplishments, outstanding capability and exceptional promise for significant future achievement. In addition, candidates should exhibit quality, innovation and potential for discovery in their research.

The Ford Foundation Postdoctoral Fellowships for Minorities

No. FY80-34

Eligibility:

U.S. citizenship; Ph.D. degree or equivalent research training and experience; membership in one of the following groups: Black Americans, Mexican Americans/Chicanos, Puerto Ricans, Native Americans.

Disciplines:

Biological Sciences, Physical Sciences, Mathematics, Engineering Sciences, Social Sciences and the Humanities.

Location of Work:

Appropriate nonprofit institutions in the United States including research universities, government laboratories, national laboratories, privately sponsored nonprofit institutes and selected centers for advanced studies.

Tenure:

Six to 12 months.

Stipends:

New Postdoctoral (applicants who have held the doctorate for no more than three years as of Feb. 1, 1980) - \$13,000.

Intermediate Postdoctoral (applicants three to seven years beyond the doctorate) - \$18,000.

Senior Postdoctoral (applicants at least seven years beyond the doctorate) - \$25,000.

Deadline:

Closing date for applications is Feb. 1, 1980.
Announcement of awards is Mid-March of 1980.

For further information, contact the following:

The Fellowship Office
National Research Council
2101 Constitution Avenue, N.W.
Washington, D.C. 20418
Telephone: (202) 389-6984

National Science Foundation Graduate Fellowships

No. FY80-35

As one means of aiding the progress of science in the United States, the National Science Foundation (NSF) plans to award approximately 420 new three-year Graduate Fellowships to individuals who have demonstrated ability and special aptitude for advanced training in the sciences. In addition, approximately 1,000 Fellows will be supported on continuations of Graduate Fellowships previously awarded.

NSF Graduate Fellowships are awarded for study or work leading to master's or doctoral degrees in the mathematical, physical, medical, biological, engineering and social sciences, and in the history and philosophy of science. Awards are not made in clinical, law, education or business fields, in history or social work, for work leading to medical, dental or public health degrees, or for study in joint science-professional degree programs. Applications are encouraged from

minorities, women, physically handicapped and members of other groups underrepresented in science.

NSF Graduate Fellowships are awarded subject to the availability of funds. New fellowships to be awarded in March 1980 will be for maximum tenured periods of three years.

Recipients of new three-year awards must begin fellowship tenure not later than the beginning of the 1980 fall term, but may use the remaining two years of support within the four-year period following the first year. This option enables fellows to engage in other institutionally-approved activities that contribute to their overall training.

The deadline for filing applications is Nov. 29, 1979.

National Science Foundation Minority Graduate Fellowships

No. FY80-36

As one means of increasing the number of practicing scientists who are members of ethnic minority groups which traditionally have been underrepresented in the advanced levels of the nation's science talent pool, the National Science Foundation plans to award approximately 50 new three-year Minority Graduate Fellowships. These fellowships will be awarded to minority individuals who have demonstrated ability and special aptitude for advanced training in the sciences. In addition, approximately 100 individuals will be supported on continuations of Minority Graduate Fellowships previously awarded.

National Science Foundation Minority Graduate Fellowships are awarded for study or work leading to master's or doctoral degrees in the mathematical, physical, medical, biological, engineering and social sciences, and in the history and philosophy of science. Awards are not made in clinical, law, education or business fields, in history or social work, for work leading to medical, dental or public health degrees, or for study in joint science-professional degree programs.

NSF Minority Graduate Fellowships will be awarded subject to the availability of funds. New fellowships to be awarded in March 1980 will be for maximum tenured periods of three years.

Recipients of new three-year awards must begin fellowship tenure not later than the beginning of the 1980 fall term, but may use the remaining two years of support within the four-year period following the first year. This option enables Fellows to engage in other institutionally-approved activities that contribute to their overall training.

The deadline for filing applications is Nov. 29, 1979.

Lilly Endowment Faculty Open Fellowships 1980-1981

No. FY80-37

The Lilly Endowment has announced its sixth competition for its Faculty Open Fellowships. The Endowment seeks to identify faculty of real ability whose aspirations and needs cannot be served by conventional fellowships for study and research. It hopes to find teacher/

scholars in mid-career who seek a break from academic routine through which they can hope for enrichment as persons and as teachers. It may mean using the Fellowships to test or apply theory in "real life" settings; for others, it may mean a period of reading and reflection on the overall enterprise of teaching and curriculum building.

Eligibility:

To be eligible, a candidate must have been a member of the faculty at his or her institution for a minimum of five years. Both the fellow and the institution must plan for his or her return after use of the award. The candidate must be engaged in classroom teaching for at least 50% of his or her time. If a candidate is entitled to a semester or year's sabbatical pay from the institution, this must be declared in the application and reflected in the application budget.

Deadline:

The final date for filing nominations and applications is Dec. 1, 1979.

All proposals must be routed through the Office of Advanced Studies, Division of Research and Sponsored Programs, with routing form, internal budget and required number of copies.

Timetable:

September-October: Application forms available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

Oct. 11: Informational meeting for applicants. Time and place to be announced.

Nov. 1: Proposals due in Office of Advanced Studies. Each proposal will be reviewed and if problems are noted, the candidate will be so informed and have time to make corrections.

Nov. 8: Proposals to Provost Office.

Nov. 9-17: Proposals to members of the Lilly Endowment Selection Committee. The Committee, which will rank proposals, represents each college, the Law School, the Office of Advanced Studies and previous Fellowship winners.

Nov. 20: Final selection of three proposals and letter by Prof. Timothy O'Meara, Provost.

**Henry Luce Foundation
Luce Scholars Program**

No. FY80-38

Program:

To provide a one-year Asian experience to future leaders who, without this grant, would probably not have the opportunity to live in and learn about Asia. The Asian Foundation finds professional positions in institutions or agencies in East or Southeast Asia for each of the 15 chosen Luce Scholars. Some teach or do research but no one is enrolled in a university, and no academic credit is extended.

Qualifications:

- * High academic achievement.
- * Strong and clearly defined career interest in a specific field, but not Asian affairs or international relations.
- * Outstanding capacity for leadership.
- * No Asian language ability expected; not qualified if applicant has had previous Asian experience.

Eligibility:

American citizens no more than 29 year of age on Sept. 1, 1980, chosen from among Notre Dame's -

- Junior faculty
- Recent graduates
- Graduate students
- Law students
- Very exceptional seniors

Whom to contact:

Interested candidates should contact Dr. Donald P. Costello, Chairman, Notre Dame's Luce Scholars Selection Committee, Room 339 O'Shaughnessy Hall. Completed applications must reach Dr. Costello by noon on Monday, Nov. 26, 1979.

**The German Marshall Fund of the
United States
Postdoctoral Fellowship Fund-1980**

No. FY80-39

The German Marshall Fund of the United States will accept applications until Nov. 30 for its 1980 postdoctoral fellowship program. Individual study and travel awards will be made to postdoctoral scholars doing original research on problems common to advanced industrialized societies in an internationally comparative framework.

For further information and application forms write to:

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

**The Society of Sigma XI
The Scientific Research Society
of North America
Monie A. Ferst Award**

No. FY80-40

The Monie A. Ferst Award is one of the Society's primary means of honoring nationally distinguished research scientists, particularly those who have distinguished themselves through education. The award is made specifically to recognize those who have made "...notable contributions to motivation and encouragement of research through education."

Nominations from Notre Dame will be made through the Office of Advanced Studies.

For further information contact Dr. Chau T.M. Le, Assistant Vice President, Advanced Studies, Extension 7545.

**National Science Foundation
Cooperative Research with Latin America**

No. FY80-41

The U.S.-Latin American Cooperative Science Program seeks to foster and support mutually beneficial cooperation in scientific research between scientists of the U.S. and Latin America and the independent nations of the Caribbean. U.S. investigators may request supplemental funding to extend on-going research into

cooperative efforts with qualified Latin American scientists. Workshops and short-term scientific visits are also supported. Cooperating scientists in the foreign countries must obtain support from other sources, and must submit a matching proposal to their own national science council. The next target date is Nov. 1, 1979.

National Science Foundation Systematic Anthropological Collections

No. FY80-42

NSF's Anthropology Program of the Division of Behavioral and Neural Sciences provides limited support for the improvement of systematic anthropological research collections. In 1980 proposals will be considered for systematic collections of outstanding importance and in critical need of restoration, as well as smaller systematic collections of high scientific value. Primary goal of these grants is to enhance the availability of such collections for scientific research. Any institution holding significant anthropological research collections may apply.

The deadline for submission of proposals is Nov. 10, 1979.

National Science Foundation Earthquake Hazards Mitigation

No. FY80-43

Unsolicited research proposals for fiscal year 1980 on Earthquake Hazards Mitigation (EHM) may be submitted at any time during the fiscal year to the EHM program in NSF's new Directorate for Engineering and Applied Science (EAS).

EHM is concerned with the engineering, architectural and societal aspects of earthquake effects.

National Science Foundation Program for the Analysis of Science Resources

No. FY80-44

Awards will be for in-depth analyses and integration of data on scientific and technical personnel; funding of scientific and technological activities and related studies; scientific and technological manpower forecasting efforts; and development of new measures of outputs of scientific and technological activity, especially of indicators of technological innovation.

The target date for fiscal year 1980 proposals is Feb. 8.

National Science Foundation East Asia Cooperative Science Program

No. FY80-45

NSF's U.S.-Republic of Korea Cooperative Science Program has established three special emphasis areas: biochemical engineering, remote sensing and marine biology.

During the past year, U.S.-Taiwan seminars were held in the areas of fermentation engineering, pesticide chemistry, fish health and virus diseases of fruits and vegetables.

NSF supports U.S. investigators working in joint projects with the ASEAN countries-Indonesia, Malaysia, Philippines, Singapore, Thailand. Projects include disciplines related to natural resources, such as forestry, agriculture, marine biology and earth sciences.

The Charles A. Lindbergh Fund 1980 Lindbergh Grants

No. FY80-46

Program:

Grants of up to \$10,580 will be awarded annually to individuals whose proposed projects represent a significant contribution toward the achievement of a balance between technological progress and the preservation of our natural environment.

Deadline:

Applications, related credentials and letters of recommendation are to be submitted no later than Jan. 1, 1980. Grants will be announced in mid-April.

Grant Application Procedures:

Grant application procedures are too lengthy to include in this Information Circular. For more information, contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

National Academy of Sciences Committee on Scholarly Communication with the People's Republic of China Training and Research Opportunities for Natural Scientists, Social Scientists, Engineers, and Humanists in the Peoples' Republic of China, 1980-1981

No. FY80-47

Advanced Training Program:

Fellowships are available for individuals beyond the bachelor's level, with preference given to individuals engaged in scholarly studies at the predoctoral level, for a program of advanced training in the People's Republic of China. Most applicants will be placed in Chinese universities and institutions which require advanced Chinese language skills. Three to four years of modern standard Chinese are required. For natural scientists this requirement may be waived.

Tenure:

Ten months to one year, beginning in the summer of 1980.

Research Program:

Research grants are available primarily for scholars who have received the Ph.D. but also for a limited number of especially well-qualified advanced doctoral candidates. Length of grant tenure will normally be three months to a year in the natural sciences and engineering and six months to a year in the social sciences and humanities.

Senior Scholar Program:

The CSCPRC may continue a Senior Scholar research program in academic year 1980-1981. This program is limited to researchers at the level of Associate Professor or above.

Deadline:

Applications must be postmarked no later than Friday, Nov. 2, 1979.

Applications:

Applications may be obtained by writing to:

CSCPRC
Educational Exchange Program
National Academy of Sciences
2101 Constitution Avenue
Washington, D.C. 20418

**American Association of University Women Educational Foundation
American Fellowships-Dissertation,
Postdoctoral Research and
Selected Professions**

No. FY80-48

Program:

The American Association of University Women Educational Foundation awards dissertation and postdoctoral fellowships to women of the United States who have achieved distinction or promise of distinction in their fields of scholarly work. There are no restrictions as to age or academic field or place of study. Great importance is attached to the project, its probable significance as a contribution to knowledge, and the applicant's qualifications to pursue it.

Postdoctoral Fellowships:

Awards for postdoctoral research are available for those who hold the doctorate at the time of application. Preference is normally given to those who hold junior academic appointments and plan to use the fellowship year for research leave, or to women whose professional careers have been interrupted or who plan a career change.

Dissertation Fellowships:

Dissertation fellowships are available for those who will have successfully completed all required course work and examinations for the doctorate except for the defense of the dissertation by Jan. 2, 1980. It is expected that the fellowship would be used for the final year of doctoral work and that the degree would be received at the end of the fellowship year. Preference is given to those who submit written statements from their departments confirming acceptance of the prospectus.

Qualifications:

Applicants must be citizens of the United States or hold permanent resident status at the time of application and must intend to pursue their professional careers in the United States.

Stipends:

\$3,500-\$7,000 (up to \$9,000 for postdoctoral fellowships).

Limitations:

The following assistance is not allowed: Research equipment, assistants and similar costs; publication; travel to meetings, conferences or seminars; tuition for further course work; repayment of loans or other personal obligations; grants-in-aid for projects of less than 12 months.

Deadline:

Dec. 15, 1979.

Application Forms:

Only applications on current official AAUW Educational Foundation forms will be considered. These are available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

**American Association of University Women Educational Foundation
International Fellowships for Women of Countries Other Than the United States**

No. FY80-49

Program:

The American Association of University Women Educational Foundation awards International Fellowships for advanced study and training to women of outstanding ability who are citizens of countries other than the United States and may be expected to give effective leadership upon return to their home countries. There are no restrictions as to age or field of study.

Qualifications:

- * Academic degree equivalent to the bachelor's degree from a U.S. university.
- * A plan of study or research that will advance the applicant's professional competence.
- * Intention of applicant to return home to pursue her professional career. Preference will be given to applicants who have specific positions to return to their own countries.
- * Intention of applicant to devote full time to graduate work.
- * Satisfactory English proficiency.

Stipends:

\$2,500-\$5,500.

Awards do not include funds for research equipment, assistants and similar costs.

Application Forms:

Only applications on current official AAUW Educational Foundation forms will be considered. These are available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

**American Association of University Women Educational Foundation
Fellowships to American Women in Selected Professions**

No. FY80-50

Program:

To assist women in their final year of professional training in the fields of law, dentistry, medicine, veterinary medicine and architecture. Applicant must be a student at an accredited U.S. institution.

Period of Award:

One academic year - September to June.

Stipends:

Awards average \$4,000.

Deadline:
Dec. 15, 1979.

Application Forms:

Only applications on current official AAUW Educational Foundation forms will be considered. These are available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

**Department of Transportation
UMTA University Research and
Training Program**

No. FY80-51

The Urban Mass Transportation Administration plans to award a limited number of grants to accredited institutions of higher education to assist in carrying out specific research and training activities. Specifically, the program aims to: (1) promote research and training that is relevant to the programmatic needs of UMTA and that will strengthen state and local capability to plan, design, build and operate transportation systems and services; (2) encourage and support increased interaction between universities and local transportation and planning agencies on matters of local transportation concern; (3) encourage universities to become a source of ongoing advice, observation and evaluation with respect to transportation plans, programs and projects in their own communities, and to serve as a mechanism for the exchange of experience with other cities and transit properties; (4) assist in the training of individuals already engaged in professional activities in public transportation; and (5) attract more of the nation's young talent into careers in public transportation.

Applications may be submitted that include: (1) major research activities involving a team of faculty and students; (2) research involving the cooperation of university researchers with local public and/or transit operators; and (3) specialized training courses or university-based seminars, conferences or workshops. UMTA is inviting applications for two different types of grants, project grants and program grants.

Project grant applications should be limited to one of the topic areas listed below. Projects should normally not exceed a maximum of \$70,000. Project grant applications will be evaluated according to the following criteria: relevance of the proposed research or training to the solution of important transportation problems and to the mission and programmatic needs of UMTA; professional merit of the proposed research or training; professional qualifications of the principal investigator(s) and the supporting staff; and applicability of the research results to theory or practice.

Program grants are intended to support a combination of activities as part of a comprehensive and continuing program of urban transportation research, education and training at a small number of institutions. UMTA awarded three program grants in fiscal 1979 and expects to award two during fiscal 1980 and one during fiscal 1981. Initial program grants can be for activities to take place during a 3-year period. Subsequent funding of these grants will be predicated upon satisfactory performance during the preceding period and the availability of congressionally appropriated funds. Program grant activities must address one or more of the topic areas listed below. The total cost of the proposed pro-

gram grant may not exceed \$290,000. Program grant funding requests may not exceed \$150,000 the first year, \$90,000 the second year and \$50,000 the third year.

Program grant applications will be evaluated according to the following criteria: relevance of the proposed research or training to the solution of important transportation problems and to the mission and programmatic needs of UMTA; professional merit of the proposed research; professional qualifications of the principal investigator(s) and the supporting staff; merit of non-research activities proposed; qualifications of principal persons involved in nonresearch activities; reasonableness of costs estimated for each element of the program; proposed management of the program grant; role of students in grant activities; plans for involvement of minorities and women in the program; qualifications of the program grant director; prior urban transportation related research; education and training activities at the institution; long-term commitment of the institution to research, education and training in the field of urban transportation; present and future urban transportation educational programs and plans including specific course identification; and scope and nature of specifically planned interactions with local urban transportation agencies.

Following are the research topic areas identified to be of priority interest to UMTA: (1) transportation analysis, planning and evaluation methods; (2) transportation/urban development interactions; (3) transportation financing and pricing; (4) transportation system management; (5) improving transportation in center cities; (6) transportation and energy conservation; (7) transportation for elderly and handicapped persons; (8) long-range directions for urban public transportation; (9) automated guideway transit systems; (10) state-of-the-art review; and (11) consumer issues. The order in which the research topics is listed is not an order of priority.

Applications must be received by UMTA by Dec. 3, 1979.

**The Newspaper Fund, Inc.
1980 Editing Internship Program**

No. FY80-52

Program:

The Editing Internship Program puts selected college students on major daily newspapers and wire service copy desks for a full summer.

In addition to a regular weekly salary determined by the newspaper, interns will be sent a \$700 scholarship check after the applicant and his/her supervising editor report to the Fund about the internship.

The purpose of the program is to identify college juniors who have the interest and ability in news editing.

Deadline:
Nov. 22, 1979.

Applications:
Request applications from:

The Newspaper Fund
P.O. Box 300
Princeton, NJ 08540

current publications and other scholarly works

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

American Studies

- Weber, Ronald
R. Weber. 1979. Art-journalism revisited. The South Atlantic Quarterly 78(3):275-289.

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W.H. Leahy. 1978. County line cheese company and amalgamated meat cutters and butcher workers of North America. Labor Arbitration Reports 69:1088-1093.
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English

- Bernstein, Gene M.
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Lordi, Robert J.
R.J. Lordi, ed. 1979. Richardus Tertius: A Critical Edition with a Translation. Garland Publishing Co., pp. i-xlvi, 1-539.

History

- DeSantis, Vincent P.
V.P. DeSantis. 1979. Review of Bruce and William B. Catton's The Bold and Magnificent Dream: America's Founding Years, 1492-1815. History 7:121.

Sociology and Anthropology

- Aldous, Joan
W. Dumon and J. Aldous. 1979. European and U.S. Political context for family policy research. Journal of Marriage and the Family 41:497-507.
Carlton, Wendy
W. Carlton. 1979. Sociology of motherhood: How to be a successful mother. Pages 67-80 in, Women's Studies Program, University of Pennsylvania.
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- Craig, Jr., George B.
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- tera: Culicidae). Journal of Medical Entomology 15(2):89-98.
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S. Podlasek and L.M. Hunt. 1979. A simple technique for preparing mitotic chromosome spreads from Hemipteran embryos. The Journal of Heredity 69:419-420.
Kelly, Thomas J.
T.J. Kelly and M.S. Fuchs. 1979. Precocene is not a specific antigonadotropic agent in adult female Aedes aegypti. Physiological Entomology 3:297-301.
Saz, Howard J.
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Tweedell, Kenyon S.
K.S. Tweedell and M. Mizell. 1979. Detection of Lucké Herpes virus antigens in infected frong nephric cells. Archives of Virology 59:239-249.

Chemistry

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- eign exchange dealings. Pages 28-30 in, Proceedings of the Academy of International Business.
Williamson, Robert W.
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Finance and Business Economics

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Marketing Management

- Pitts, Robert E.
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- Stock, James R.
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- Ripple, Kenneth F.
K.F. Ripple and D. Kommers. 1979. Aussergesetzliche masstabe in der rechtsprechung des supreme court der vereinigten staaten. Zeitschrift fur Politik 26:125.
K.F. Ripple and D. Kenyon. 1979. State sovereignty - a polished but slippery crown. Notre Dame Lawyer 54:745.

RADIATION LABORATORY

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Grieser, Franz
M. Almgren, F. Grieser and J.K. Thomas. 1979. Rate of exchange of surfactant monomer radicals and long chain alcohols between micelles and aqueous solutions. Journal of the Chemical Society 75: 1674-1687.
Scaiano, Juan C.
M.V. Encinas and J.C. Scaiano. 1979. Quasi-isoenergetic triplet energy migration in homogeneous solution. Chemical Physics Letters 63(2):305-308.
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monthly summary

Awards Received

IN THE MONTH OF AUGUST, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Chemistry	Pasto	Substituted allenes via metal complexes, intermediates, and reaction mechanisms	Amer. Chem. Soc.	30,000 24
Earth Sciences	Winkler	Preservation of monuments of limestone and sandstone	Western Waterproofing Co.	5,000 12
Aerospace Mech. Eng.	Batill, Nelson, Mueller	Development of design criteria for a high speed flow visualization facility	U.S. Air Force	69,486 12
Microbiology - Lobund Lab.	Burleson, Pollard	Interferon I and II on specific tumor models systems in rats	Miles Labs., Inc.	24,960 12
Chemistry	Fehlner	Metal-metal interactions in clusters by photoelectron spectroscopy	Natl. Sci. Fdtn.	36,000 12
Aerospace Mech. Eng.	Lloyd, Yang	Radiation-convection interaction in heat transfer	Natl. Sci. Fdtn.	7,270 12
Biology	Saz	Chemotherapy and metabolism of filariids	Natl. Inst. Health	29,272 12

Awards Received (continued)

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Physics	Blackstead	Phonon spectroscopy in rare earths and rare-earth-iron compounds	Natl. Sci. Fdn.	50,000 12
Physics	Browne, Darden, Funk, Kolata, Malmin, Mihelich	Nuclear structure research	Natl. Sci. Fdn.	175,000 12
Physics	Darden	Study of nuclei using polarized beams	Natl. Sci. Fdn.	10,452 24
Civil Eng.	Theis, Katona	Hydrodynamic and chemical modeling of heavy metals in ash pond leachates	Dept. Energy	85,293 12
Physics	Livingston	Research in fast ion spectroscopy	Univ. Chicago	9,542 12
Microbiology - Lobund Lab.	Pollard	Maint. of germfree animals for activities in mole. biology...laboratory facilities	Miles Labs., Inc.	2,000 12
Microbiology - Lobund Lab.	Pollard	LOBUND - unrestricted funds	Miles Labs., Inc.	5,000 12
Metallurgical Eng.	Kargol, Fiore	Hydrogen behavior in coated and uncoated low alloy steels	U.S. Army	37,392 12

AWARDS FOR FACILITIES AND EQUIPMENT

Chemical Eng.	Wolf	Infrared studies of surface dynamics during CO oxidation on PT supported catalysts	Natl. Sci. Fdn.	58,140 12
Electrical Eng.	Ajmera, Gajda, Kwor	Quadrupole mass spectrometer and a sputter-etch gun for molecular beam epitaxy system	Natl. Sci. Fdn.	12,833 12
Metallurgical Eng.	Kosel	X-ray diffraction research equipment	Natl. Sci. Fdn.	45,000 12

AWARDS FOR EDUCATIONAL PROGRAMS

Art Gallery	Porter	Coordinator of public and community outreach programs	Ind. Arts Commission	5,500 12
Aerospace Mech. Eng.	Jolles	SCORE - energy efficient vehicle competition - modification D	Student Competition Relevant Eng., Inc.	500 20
Management	Bella	The Jesse H. Jones professorship in management	Houston Endow., Inc.	75,000 9
Electrical Eng.	Liu	Research workshop on nonlinear circuits and systems	Natl. Sci. Fdn.	21,500 12
Economics	Skurski	AID contract for participant training	Agency Internatl. Develop.	220 4
College Eng.	Quigley	Introducing minority students to engineering careers	CIC - MPME	6,200 12

SERVICE PROGRAMS

Cent. Human Devel.	Dwyer	Needs assessment program	---	23,586 --
Cent. Past. Soc. Min.	Gallen	Notre Dame Center for Pastoral Liturgy	---	515 --
Cent. Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	---	3,843 --
Cent. Past. Soc. Min.	Gaynor	Religious Leaders Program	---	100 --
Cent. Past. Soc. Min.	McNeill	Center for Experiential Learning	---	600 --
College Business Admin.	Raymond	Small Business Institute	Small Bus. Admin.	2,500 3

Proposals Submitted

IN THE MONTH OF AUGUST, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
General Program	Sloan	Darwin's species concept and German biology: Conceptual scientific change	Natl. Sci. Fdn.	57,619 14
Marketing	Kennedy	An analysis of motivational incentives in the management of technology	U.S. Air Force	62,244 18

Department or Office	Principal	Short Title	Sponsor	Dollars Months
Aerospace Mech. Eng.	Slepicka	Optimum utilization of warehouse space	Corning Glass Works	10,813 10
Aerospace Mech. Eng.	Kanury	Research on liquid fuel ignition	Purdue Univ.	135,392 36
Chemistry	Kozak	Nonclassical behavior of the square-well fluid	Natl. Sci. Fdn.	140,944 24
Cent. Const. Studies	Moots, Gaffney, Dutile	State regulation of religiously affil- iated higher education	Ford Fdn.	166,890 18
Aerospace Mech. Eng.	Slepicka	Investigation of teller machines effects on productivity	St. Jos. Bank Trust Co.	5,000 5
Microbiology - Lobund Lab.	Burleson, Pollard	Inactivation of microorganism by ozone	Telecomm. Ind., Inc.	6,119 3

PROPOSAL FOR FACILITIES AND EQUIPMENT

Cent. Study Man	Santos, Hubbard, Santos	Gerontology career preparation program	Admin. Aging	61,928 12
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PROPOSAL FOR EDUCATIONAL PROGRAMS

Cent. Study Human Rights	Santos, Kommers	Civil rights of the elderly	Admin. Aging	86,535 12
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summary of awards received and proposals submitted

IN THE MONTH OF AUGUST, 1979

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$ 364,287	7	\$ 212,380	15	\$ 576,667
Facilities and Equipment	-	- - -	3	115,973	3	115,973
Educational Programs	4	81,920	2	27,000	6	108,920
Service Programs	1	2,500	5	28,644	6	31,144
Total	13	\$ 448,707	17	\$ 383,997	30	\$ 832,704

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	1	\$ 6,119	7	\$ 578,902	8	\$ 585,021
Facilities and Equipment	-	- - -	1	61,928	1	61,928
Educational Programs	-	- - -	1	86,535	1	86,535
Service Programs	-	- - -	-	- - -	-	- - -
Total	1	\$ 6,119	9	\$ 727,365	10	\$ 733,484

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
Administration on Aging	Research and Development in the Field of Aging	November 1, 1979
Alcohol, Drug Abuse and Mental Health Administration	Research Scientist Development Program	November 1, 1979
Department of Energy	Elementary Teacher Inservice Energy Education	November 1, 1979

Department of Energy	Faculty Development Projects in Energy	November 1, 1979
Department of Justice	Visiting Fellowships - National Institute of Law Enforcement	November 15, 1979
Department of Transportation	University Research in Transportation	November 1, 1979
Food and Drug Administration	Research Support	November 1, 1979
Institute of International Education	Graduate Study and Predoctoral Research Abroad	November 1, 1979
National Endowment for the Humanities	Education Programs	November 1, 1979
National Endowment for the Humanities	Education Programs (institutional development)	November 1, 1979
National Endowment for the Humanities	Education Programs (pilot grants)	November 15, 1979
National Endowment for the Humanities	Fellowship and Stipend Programs (fellows, Category C)	November 12, 1979
National Endowment for the Humanities	State Programs in the Humanities	November 1, 1979
National Endowment for the Humanities	Youth grants	November 15, 1979
National Institute of Mental Health	Mental Health Epidemiology	November 1, 1979
National Institute of Mental Health	Metropolitan Problems	November 1, 1979
National Institute of Mental Health	Minority Group Mental Health Programs	November 1, 1979
National Institute of Mental Health	Prevention and Control of Rape	November 1, 1979
National Institute of Mental Health	Project Grants	November 1, 1979
National Institute of Mental Health	Research Grants	November 1, 1979
National Institute of Mental Health	Special Research Grants	November 1, 1979
National Institute of Mental Health	Studies of Crime and Delinquency	November 1, 1979
National Institute of Mental Health	Training Grants	November 1, 1979
National Institute on Alcohol Abuse and Alcoholism	Research	November 1, 1979
National Institute on Drug Abuse	Drug Abuse Prevention Education Projects	November 1, 1979
National Institute on Drug Abuse	Research on Narcotic Addiction and Drug Abuse	November 1, 1979
National Institutes of Health	Projects to Support Animal Resources	November 1, 1979
National Institutes of Health	Research Career Development	November 1, 1979
National Institutes of Health	Research Project Grants	November 1, 1979
National Library of Medicine	Biomedical Publication Grants	November 1, 1979
National Science Foundation	Biochemistry	November 1, 1979
National Science Foundation	Biological Instrumentation	November 1, 1979
National Science Foundation	Biophysics	November 1, 1979
National Science Foundation	Cell Biology	November 1, 1979
National Science Foundation	Comprehensive Assistance to Undergraduate Science Education	November 9, 1979
National Science Foundation	Computer Science	November 1, 1979
National Science Foundation	Developmental Biology	November 1, 1979
National Science Foundation	Ecology	November 2, 1979
National Science Foundation	Ecosystem Studies	November 2, 1979
National Science Foundation	Engineering Studies Initiation	November 15, 1979
National Science Foundation	Genetic Biology	November 1, 1979
National Science Foundation	Human Cell Biology	November 1, 1979
National Science Foundation	Mathematics Regional Conferences	November 15, 1979
National Science Foundation	Metabolic Biology	November 1, 1979
National Science Foundation	NATO Postdoctoral Fellowships in Science	November 2, 1979
National Science Foundation	Physically Handicapped in Science	November 15, 1979
National Science Foundation	Population Biology and Physiological Ecology	November 2, 1979
National Science Foundation	Postdoctoral Fellowships	November 2, 1979
National Science Foundation	Precipitation Enhancement Project	November 1, 1979
National Science Foundation	Regional Mathematics Conferences	November 15, 1979
National Science Foundation	Regulatory Biology	November 1, 1979
National Science Foundation	Student-Originated Studies	November 2, 1979
National Science Foundation	Systematic Anthropological Collections	November 10, 1979
National Science Foundation	Systematic Biology	November 2, 1979
National Science Foundation	U.S.-France Exchange of Scientists	November 1, 1979
National Science Foundation	U.S.-Japan Cooperative Science	November 1, 1979
National Science Foundation	U.S.-Latin America Cooperative Research and Workshops	November 1, 1979
Office of Education	Doctoral Dissertation Research	November 1, 1979
Office of Education	Faculty Research Abroad	November 1, 1979
Office of Education	Foreign Curriculum Consultants	November 1, 1979
Office of Education	Fulbright-Hays Training Grants	November 2, 1979
Office of Education	Group Projects Abroad	November 1, 1979
Office of Education	Metric Education Program	November 14, 1979
Office of Education	National Defense Foreign Language Fellowships	November 1, 1979
Public Health Service	Occupational Safety and Health Training	November 1, 1979
Society of Sigma Xi	Grants-in-Aid of Research	November 1, 1979
University of Sigma Xi	School of Medicine Admissions	November 15, 1979
the Health Sciences		

documen- tation

opening mass homily

(Following is the homily preached at the Opening Mass in Sacred Heart Church, Sept. 9, 1979, by Timothy O'Meara, Kenna professor of mathematics and provost of the University).

My dear brothers and sisters,

We are gathered together today to celebrate the opening of the 138th academic year, to commit ourselves anew, to ask the risen Christ to bless us and to guide us and our University this year and into the future.

To commit ourselves anew? In all honesty, is it reasonable to ask anyone to make a lasting commitment to anything in this day and age? We live in a world that is evolving with such speed that its very evolution has become commonplace. The breakthroughs of today are obsolescent tomorrow. No sooner has our technology taken us to the limits of the universe of Copernicus than our theoreticians introduce us to singularities in time and space that shatter the imagination. No sooner have we transplanted the human heart than we are warned of ghoulish genetic engineering for the future. We are capable of gathering, processing and arranging facts at enormous speed. Yet we have little time to digest what it all means. The institutions of our country are barely capable of managing the flow of traffic, let alone of comprehending and evaluating their own functions. The human dilemma of poverty and wealth, of good and evil, of life and death, remains. To borrow from T.S. Eliot:

"Where is the Life we have lost in living?
Where is the wisdom we have lost in knowledge?
Where is the knowledge we have lost in information?
The cycles of Heaven in twenty centuries
Bring us farther from God and nearer to the Dust."

From "Two Choruses from 'The Rock'"

Our moral order has come adrift. We have lost our sense of conviction: our lifetime commitments last for nine years, or nine months, or terminate at our pleasure. Where are our constants? For without constants, where can we find commitment? Yet we say that we are a committed University. We had better be sure that we understand what our commitments are.

First, we are committed to the pursuit of truth through knowledge, through reason and faith. There are those, and they are legion, who would divorce faith from reason. That is not the position of Augustine or Aquinas or Newman. Nor was it Sorin's. Nor is it ours. There are others who, in order to maximize the use of our resources, would fence us in, would confine us to disciplines to which we, as Catholics, should be best suited. Please excuse me if I see in this a nostalgia for the isolationism of Catholic higher education of the early 20th century. It is our responsibility to be on the cutting edge of new knowledge, to enrich it with our faith, and to be enriched by it in return. We have the responsibility to create a fertile intellectual milieu, here at Notre Dame, for ourselves and our students. Then and only then, will we start to lead our society and not follow it. Then and only then will we participate in Building the Earth.

While we are building the earth, let us take care that we not destroy it. There are questions of world order, disarmament, the use of resources, feeding the hungry; of the oppression of people, pollution of our cities, corruption of the media, trash on our streets, trash on our minds. And there are questions of individual morality, integrity in business, fidelity in love, temperance in our lives. We must define our morality, we must concern ourselves, we must think. Let us not be satisfied with a morality that is an average, or a chart or a print-out. The constants we seek are where they have always been: thou shalt not kill, blessed are the peacemakers, have faith and hope and charity. Only their environment has changed. We must see things anew. We must apply ourselves from all directions with a knowledge of our faith, and of the lessons of history, and of the bounds of technology. Then, in the words of Teilhard de Chardin:

"Perhaps, impelled by the necessity to build the
unity of the World
we shall end by perceiving that the great object
unconsciously pursued by science
is nothing else than the discovery of God."
From Building the Earth, Wilkes Barre (1965)

As one who has lived long enough to remember Hitler and pre-Vatican II days, I rejoice in the prospect of our students integrating their faith with involvement in social concerns. In my own youth this was left to our religious orders or to members of other faiths--the Catholic laity had evidently neglected the second part of the greatest commandment: you must love your neighbor as yourself. Today we are in danger of neglecting the first. As scholars and teachers, committed to educating our Catholic youth and enriching our Catholic tradition, we must remember the entire answer that Jesus gave to the scribe who asked Him which was the greatest commandment:

"This is-the first:
Listen, Israel,
the Lord our God is the one Lord,
and you must love the Lord your God
with all your heart, with all your soul,
and with all your mind and with all your strength.
The second is this:
You must love your neighbor as yourself.
There is no commandment greater than these."
Mark 12:28-32

We at Notre Dame have a special obligation to explore all the truth, to relate it to our faith, to give generously to our students, and to exemplify our ideals by the way in which we live from day to day. We must lead and not follow. This must be our commitment.

minutes of the 189th graduate council meeting march 28, 1979

March 28, 1979, Room 121 Hayes-Healy Center

The chairman called the meeting to order at 3:40 p.m. and welcomed Sheilah Brennan, Edward A. Kline, William Cerny, and Eugene J. Leahy, who had been invited to take part in the discussion of the review of the graduate Music program. Council members who were absent from this meeting were: Dean Joseph C. Hogan, replaced by Edward W. Jerger; Dean Bernard Waldman, and John G. Borkowski, excused.

I. MINUTES OF THE 188th MEETING

The minutes of the 188th meeting were approved as circulated.

II. REVIEW OF THE GRADUATE PROGRAM IN MUSIC

Edward A. Kline, chairman of the University Music Review Committee, was invited to present the main points of the committee's Final Report. The external reviews' reports, although submitted separately, are, according to Kline, in close agreement on several points. All three reviewers praise the Music Department for its aggressive and imaginative leadership. They are impressed with the physical plant and equipment, and especially with the newly renovated Crowley Hall of Music and the Holtkamp organ in Sacred Heart Church.

There are six concentrations in the graduate program: Music and Liturgy, Liturgical Music, Music Education, Performance and Literature, Composition and Theory, and Music History. The external reviewers call for greater efforts to increase the status of the Music and Liturgy concentration as Notre Dame may well become a national center for such study. Kline reported that the department agrees that the concentration is suited to the image of the University, but does not see it as the sole concentration to be offered by the department.

While all three external reviewers are in agreement that the performance and literature concentration should be continued, and that music education should be eliminated, they are divided on the future of other concentrations. The department, on the other hand, does not believe that any concentration should be terminated. It also stresses the volume and importance of its service function on the undergraduate level, a service which reaches one out of six students in the University.

The external reviewers consider the faculty to be well qualified, but call for greater scholarly productivity and visibility. In the department's own evaluation, however, the faculty is active in composition, performance, and scholarship as well as in teaching.

The external reviewers unanimously recommend significant increase in enrollment. The department, on the other hand, confirms that 'massive increases' in student enrollment are not projected due to various restraints. It considers the symposium on church music, recommended by one external reviewer as a recruitment device, to be a fine suggestion, but one that the department cannot implement in the immediate future.

The external reviewers find the library holdings to be good, yet call for an increase in funding for additional acquisitions and for the appointment of a full-time music librarian. They recommend that the five scattered areas of music materials in the Memorial Library be consolidated at one location, and that the music listening facilities in the library be constantly checked. They also point out the need for adequate performance facilities and suggest that the department be consulted if the Washington Hall is to be renovated.

Kline concluded his summary with remarks that Sheilah Brennan and he had made on some points not addressed by the external reviewers. The constraints of the Freshman Year of Studies curriculum should be examined to avoid discouraging performing musicians from majoring in music at Notre Dame. The department should provide appropriate information on criteria for tenure and promotion to new faculty members. Graduate students should be represented on the departmental Graduate Studies Committee. External reviewers should be allowed more time to confer among themselves during the site visit, and to meet privately with nontenured faculty as a group. Abstracts of theses and dissertations should be made available to external reviewers prior to their arrival on campus.

William Cerny was asked to respond to Kline's summary of the Final Report. Cerny wished to stress the importance of the concentrations in the department's graduate program and the relationship between these concentrations. He cited as an example the performance and literature concentration, which is needed in its own right, but also to provide resources for the Music and Liturgy concentration. He acknowledged the unique opportunities available in this concentration at Notre Dame, but reiterated that it could not be looked upon as the sole graduate concentration the department has to offer. He agreed that the input of graduate students in periodic meetings could be valuable, but reminded the council that the departmental Graduate Studies Committee, among other duties is in charge of student admission, and has access to confidential materials on all applicants. He wondered about the wisdom of making student representatives permanent members of such a committee. He said that he would have no problem with the recommendation to hold annual conferences with junior faculty members to assess their performance in the department. He also informed the council that the department had originally planned for some free time for the external reviewers to confer among themselves on the last day of their site visit, but the program was later modified with the approval of the external reviewers themselves to accommodate the unscheduled meetings with students and faculty members.

At this point, the meeting was open for general discussion. A council member referred to the department's needs of additional musicians, but believed that hiring new people would not be the only solution. He suggested instead some consortium arrangement with other schools in the area. Prof. Cerny informed the council that the department had has this kind of arrangement with the Chicago Symphony. He emphasized the fact that the music and liturgy concentration is a music degree and not a combination of two degree programs.

Professor Eugene J. Leahy also confirmed that this concentration is not a joint program. He answered an early question about the need for additional organ music teachers at Notre Dame by stating that schools such as Concordia and Valparaiso had had from 20 to 35 years of development in that field, whereas we are in our fifth year at Notre Dame, and that it would take us a few years before we reach that stage. He also referred to the suggested symposium on the Princeton model, and said that a symposium on such a scale would require four or five years for departmental planning and implementation.

Another council member asked for clarification on enrollment and admission, and suggested remedial programs for insufficiently prepared applicants. Prof. Cerny compared the climate at Eastman to that of Notre Dame. In answer to a question about the need for consolidation at one location of scattered music materials in the Memorial Library, Robert Miller promised that he would look into this situation.

Prof. Leahy cited some evidence of Notre Dame music graduates going on to Ph.D. programs elsewhere. Prof. Cerny commented on the small enrollment in some concentrations, and said that the department had not advertised its program until it received accreditation, and that it would do this more vigorously in the next three or four years. A decision will, then, be reached about the future of a concentration, if it does not attract students by that time.

The chairman called for separate motions to accept the University Music Review Committee's Final Report (Report D) and the Departmental Response (Report C). Both motions were unanimously carried by voice vote.

The meeting was adjourned at 5 p.m.

Chau T.M. Le
Secretary

nd/smc fall 1979 final examination schedule

- I. LAST CLASS DAY -- is Thursday, December 13, 1979. Examinations begin at 8 a.m. Saturday, December 15, 1979 and continue through 6:15 p.m. Thursday, December 20, 1979. (Friday, December 14 is a study day and no examinations may be scheduled.) No examinations are to be scheduled on Sunday morning, December 16.
- II. REGULATIONS FOR FINAL EXAMINATIONS -- Two hour final examinations must be given on the assigned examination dates for undergraduate courses. Changes in the hour, date or place of an examination as assigned by the Office of the Registrar are not permitted. Unless a course is designated as a departmental, the examination in each section of the class must be given at the hour designated. (See V. below.)
- III. JANUARY GRADUATES -- If a graduating student has a "B" average or better in the class, that student may be exempt from the final examination at the discretion of the instructor. Names of eligible students will be provided to the faculty on the Semester Grade Lists.
- IV. DEPARTMENTAL EXAMINATIONS AND FRESHMAN EXAMINATIONS -- All freshman courses are examined at a departmental time increment. The authorized departmental examinations are:

DEPARTMENT & COURSE NUMBER	EXAMINATION TIME	DATE OF EXAMINATION
ACCT 221	7:30 - 9:30 p.m.	Monday, December 17
ACCT 371	1:45 - 3:45 p.m.	Monday, December 17
ACCT 475	1:45 - 3:45 p.m.	Monday, December 17
ACCT 476	1:45 - 3:45 p.m.	Tuesday, December 18
ANTH 109	8:00 -10:00 a.m.	Tuesday, December 18
ARCH 144	7:30 - 9:30 p.m.	Sunday, December 16
ART 151	1:45 - 3:45 p.m.	Thursday, December 20
BA 234	7:30 - 9:30 p.m.	Saturday, December 15
BA 340	7:30 - 9:30 p.m.	Wednesday, December 19
BIOL 101	1:45 - 3:45 p.m.	Saturday, December 15
BIOL 103, 201	8:00 -10:00 a.m.	Thursday, December 20
CHEG 240	1:45 - 3:45 p.m.	Monday, December 17
CHEG 353	1:45 - 3:45 p.m.	Wednesday, December 19
CHEG 443	10:30 a.m. - 12:30 p.m.	Thursday, December 20
CHEM 115	1:45 - 3:45 p.m.	Saturday, December 15
CHEM 115L, 223L	7:30 - 9:30 p.m.	Saturday, December 15
CHEM 223	8:00 -10:00 a.m.	Tuesday, December 18
EASC 101, 111	1:45 - 3:45 p.m.	Saturday, December 15
EASC 141	1:45 - 3:45 p.m.	Wednesday, December 19
ECON 115	4:15 - 6:15 p.m.	Wednesday, December 19
ECON 123, 223	7:30 - 9:30 p.m.	Wednesday, December 19
EE 222	1:45 - 3:45 p.m.	Wednesday, December 19
EE 224	1:45 - 3:45 p.m.	Monday, December 17
EG 120	7:30 - 9:30 p.m.	Wednesday, December 19
EG 121	8:00 -10:00 a.m.	Thursday, December 20
EG 126	8:00 -10:00 a.m.	Monday, December 17
EG 226	1:45 - 3:45 p.m.	Sunday, December 16
EG 236	1:45 - 3:45 p.m.	Saturday, December 15
EG 321	1:45 - 3:45 p.m.	Monday, December 17
EG 328	7:30 - 9:30 p.m.	Sunday, December 16
EG 334	7:30 - 9:30 p.m.	Saturday, December 15
ENGL 109	1:45 - 3:45 p.m.	Sunday, December 16
ENGL 113	4:15 - 6:15 p.m.	Thursday, December 20
FIN 360	1:45 - 3:45 p.m.	Saturday, December 15
FIN 372	1:45 - 3:45 p.m.	Wednesday, December 19
FIN 380	7:30 - 9:30 p.m.	Wednesday, December 19
FS 180	1:45 - 3:45 p.m.	Sunday, December 16
GOVT 140, 141	1:45 - 3:45 p.m.	Tuesday, December 18
HIST 100 Level	10:30 a.m. - 12:30 p.m.	Tuesday, December 18
HUM 185	1:45 - 3:45 p.m.	Sunday, December 16
MARK 231	7:30 - 9:30 p.m.	Tuesday, December 18
MARK 471	1:45 - 3:45 p.m.	Monday, December 17
MARK 472	1:45 - 3:45 p.m.	Tuesday, December 18
MATH 100 Level	1:45 - 3:45 p.m.	Monday, December 17
MATH 225	7:30 - 9:30 p.m.	Tuesday, December 18
ME 240, 440	1:45 - 3:45 p.m.	Tuesday, December 18
MGT 231	7:30 - 9:30 p.m.	Sunday, December 16
MGT 463	1:45 - 3:45 p.m.	Sunday, December 16
MLFR 203F, 241	1:45 - 3:45 p.m.	Wednesday, December 19
MLSP 241	1:45 - 3:45 p.m.	Wednesday, December 19
MODERN & CLASSICAL LANGUAGES		
100 Level	1:45 - 3:45 p.m.	Wednesday, December 19
PHIL 101	7:30 - 9:30 p.m.	Tuesday, December 18
PHYS 111	10:30 a.m. - 12:30 p.m.	Saturday, December 15
PHYS 127, 141	7:30 - 9:30 p.m.	Wednesday, December 19
PHYS 201	1:45 - 3:45 p.m.	Saturday, December 15
PHYS 221	7:30 - 9:30 p.m.	Sunday, December 16
PSY 111	4:15 - 6:15 p.m.	Tuesday, December 18
ROTC	10:30 a.m. - 12:30 p.m.	Monday, December 17
SOC 100 Level	8:00 -10:00 a.m.	Tuesday, December 18
SOC 332	1:45 - 3:45 p.m.	Thursday, December 20
THEO 100 Level	8:00 -10:00 a.m.	Wednesday, December 19
UNSC 101	4:15 - 6:15 p.m.	Saturday, December 15

- V. NON-DEPARTMENTAL CLASS EXAMINATIONS -- Class examinations meet in the same classroom used during the semester at the following time increments. Please note the exact starting time for each examination since these hours differ from the starting hours of the classes. 75 or 90 minute classes are to be examined at the time which

corresponds to the starting time of a 50 minute class held at the same hour, i.e.
9TT11 will be examined at the same time as 9TTF, etc.

<u>CLASSES</u> <u>MEETING AT:</u>	<u>WILL BE</u> <u>EXAMINED AT:</u>	<u>CLASSES</u> <u>MEETING AT:</u>	<u>WILL BE</u> <u>EXAMINED AT:</u>
8:00 a.m. MON*	8:00 a.m. WED	DEC. 19	
9:05 a.m. MON	8:00 a.m. THURS	DEC. 20	
10:10 a.m. MON	8:00 a.m. SAT	DEC. 15	9:05 a.m. TUES** 10:30 a.m. TUES Dec. 18
11:15 a.m. MON	8:00 a.m. MON	DEC. 17	10:10 a.m. TUES 10:30 a.m. WED Dec. 19
12:00 p.m. MON	8:00 a.m. TUES	DEC. 18	11:15 a.m. TUES 10:30 a.m. WED Dec. 19
1:15 p.m. MON	4:15 p.m. TUES	DEC. 18	1:15 p.m. TUES 10:30 a.m. THURS Dec. 20
2:20 p.m. MON	4:15 p.m. WED	DEC. 19	2:20 p.m. TUES 10:30 a.m. SAT Dec. 15
3:25 p.m. MON	4:15 p.m. SAT	DEC. 15	3:25 p.m. TUES 1:45 p.m. THURS Dec. 20
4:30 p.m. MON	4:15 p.m. SUN	DEC. 16	4:30 p.m. TUES 10:30 a.m. MON Dec. 17
5:35 p.m. MON	4:15 p.m. MON	DEC. 17	

* Monday - Includes classes which meet for the first or only time each week on either
MON or WED or FRI.

** Tuesday - Includes classes which meet for the first or only time each week on either TUES
or THURS.

nd/smc fall 1979 final examination schedule

	SATURDAY DECEMBER 15	SUNDAY DECEMBER 16	MONDAY DECEMBER 17	TUESDAY DECEMBER 18	WEDNESDAY DECEMBER 19	THURSDAY DECEMBER 20
8 a.m. to 10 a.m.	10MWF 10MW12 10M 10W 10F	NO EXAMINATIONS	11MWF EG 126 11M 11W 11F	12MWF CHEM 223 12M ANTH 109 12W SOC 100 12F Level	8MWF 8M 8W 8F THEO 100 Level	9MWF BIOL 103 BIOL 201 9MW11 EG 121 9M 9W 9F
10:30 a.m. to 12:30 p.m.	2TT4 PHYS 111 2TU 2TH		4TT6 ROTC 4TU 4TH SMC: BUEC 312 EnLt 407 Phys 201 Soc 471	9TT11 HIST 100 9TU Level 9TH	10TT12 10TU 10TH 11TU 11TH	1TT3 CHEG 443 1TU 1TH
1:45 p.m. to 3:45 p.m.	BIOL 101 PHYS 201 CHEM 115 EG 236 FIN 360 EASC 101,111 SMC: Modl 100's Buec 344 Educ 301 Hust 463	FS 180 EG 226 ENGL 109 MGT 463 HUM 185 SMC: Enlt 100's Enlt 203,241,261, 299 Educ 452-sec.61	MATH 100 Level ACCT 371 CHEG 240 ACCT 475, EE 224 MARK 471 EG 321 SMC: Math 100,101,102, 104,105,114,118 CpSc 328	GOVT 140,141 ACCT 476 MARK 472 ME 240,440 SMC: Hist 100's, 201 Buec 446	MODL 100 Level MLFR 203F,241 MLSP 241 EASC 141 FIN 372 CHEG 353 EE 222 SMC: Bio 103	3TH ART 151 3TU SOC 332
4:15 p.m. to 6:15 p.m.	3MWF UNSC 101 3M 3W 3F	4MWF 4MW6 4M 4W 4F SMC: RTst 226, 251 Hust 323	5MWF 5M 5W 5F SMC: Govt 151	1MWF PSY 111 1MW3 1M 1W 1F	2MWF ECON 115 2MW4 2M 2W 2F	ENGL 113
7:30 p.m. to 9:30 p.m.	CHEM 115L,223L BA 234 EG 334 SMC: Buec 251 Soc 153, 203 EnLt 457	ARCH 144 MGT 231 EG 328 PHYS 221 SMC: Buec 231 Chem 155 EnLt 412, 451	ACCT 221 SMC: Buec 404 Govt 152	PHIL 101 MATH 225 MARK 231 SMC: Buec 252 Phys 221	EG 120 PHYS 127,141 ECON 123,223 BA 340 FIN 380	

(continued from front cover)

- 36 --The German Marshall Fund of the United States Postdoctoral Fellowship Fund-1980 (No. FY80-39)
- 36 --The Society of Sigma XI The Scientific Research Society of North America Monie A. Ferst Award (No. FY80-40)
- 36 --National Science Foundation Cooperative Research with Latin America (No. FY80-41)
- 37 --National Science Foundation Systematic Anthropological Collections (No. FY80-42)
- 37 --National Science Foundation Earthquake Hazards Mitigation (No. FY80-43)
- 37 --National Science Foundation Program for the Analysis of Science Resources (No. FY80-44)
- 37 --National Science Foundation East Asia Cooperative Science Program (No. FY80-45)
- 37 --The Charles A. Lindbergh Fund 1980 Lindbergh Grants (No. FY80-46)
- 37 --National Academy of Sciences Committee on Scholarly Communication with the People's Republic of China Training and Research Opportunities for Natural Scientists, Social Scientists, Engineers, and Humanists in the People's Republic of China, 1980-1981 (No. FY80-47)
- 38 --American Association of University Women Educational Foundation American Fellowships-Dissertation, Postdoctoral Research and Selected Professions (No. FY80-48)
- 38 --American Association of University Women Educational Foundation International Fellowships for Women of Countries Other Than the United States (No. FY80-49)
- 38 --American Association of University Women Educational Foundation Fellowships to American Women in Selected Professions (No. FY80-50)
- 39 --Department of Transportation UMTA University Research and Training Program (No. FY80-51)
- 39 --The Newspaper Fund, Inc. 1980 Editing Internship Program (No. FY80-52)
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