

notre dame report

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79-80

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the university

memorial library hours spring semester

Schedule when classes are in session (Tuesday, Jan. 15 - Thursday, March 27; Monday, April 7 - Sunday, May 4).

Monday - Saturday	8 a.m. - 11:45 p.m.
Sunday	1 p.m. - 11:45 p.m.

Schedule during final examination period (Monday, May 5 - Sunday, May 11).

Monday - Saturday	8 a.m. - 12:45 a.m.
Sunday	1 p.m. - 12:45 a.m.

Schedule when classes are not in session (Friday, March 28 - Sunday, April 6; Monday, May 12 - Sunday, June 22).

1st and 2nd floors	
Monday - Saturday	8 a.m. - 5 p.m.
Sunday	Closed
4th through 13th floors (Tower)	
Monday - Saturday	8 a.m. - 10 p.m.
Sunday	1 p.m. - 10 p.m.

Memorial Library Building will be closed:
April 4 (Good Friday)
April 6 (Easter Sunday)
May 26 (Memorial Day)

major medical insurance notice

As noted in the Feb. 16, 1979 issue of Notre Dame Report, the University's Major Medical insurance carrier has been changed from TIAA to Blue Cross-Blue Shield.

All liability under the TIAA Major Medical insurance program will end as of Feb. 28, 1980. No further claims will be paid by TIAA for charges after that date.

As stated by TIAA policy, if you have established a benefit period prior to March 1, 1979, and are currently receiving payments, you must have continuing covered charges of \$50 in three months and not reach the third anniversary of the beginning of your benefit period in order to continue with TIAA through Feb. 28, 1980. Once the benefit period has ended all Major Medical claims should be filed with Blue Cross-Blue Shield of Indiana.

Blue Cross-Blue Shield Major Medical claim forms and policy abstracts are available at the Personnel Department. There is a \$100 deductible in each calendar year with 80 per cent reimbursement of remaining covered charges. Major Medical claims can be filed by the individual directly to Blue Cross in Indianapolis. It will no longer be necessary for the Personnel Department to file claims for you.

If you have any questions, please contact the Personnel Department.

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faculty notes

honors

Rev. Paul E. Beichner, C.S.C., professor emeritus of English, has been honored by a Festschrift presented to him by a group of his colleagues, 16 of the foremost Medievalists in England, Canada and the U.S. The volume, published by Notre Dame Press, is entitled Chaucerian Problems and Perspectives: Essays Presented to Paul E. Beichner, C.S.C., and is edited by Edward Vasta, professor of English, and Zacharias Thundy.

Harvey A. Bender, professor of biology, has been appointed adjunct professor of medical genetics at the South Bend Center for Medical Education in the Indiana School of Medicine on the Notre Dame campus.

James J. Carberry, professor of chemical engineering, has been elected a fellow of the Royal Society of Arts, established in 1753 and chartered by Queen Victoria in 1847.

Anthony T. Kerrigan, visiting faculty fellow in sociology and anthropology and in the Center for the Study of Man, has been selected as a judge for the 1980 American Book Awards, formerly the National Book Awards. Kerrigan won a National Book Award in 1976 for his translation of "The Tragic Sense of Life" by Miguel de Unamuno.

Mitchell Lifton, chairman and professor of speech and drama, has been named literary advisor to the Center Stage, the State Theatre of Maryland at Baltimore.

John E. Matthias, associate professor of English, has been appointed visiting lecturer in poetry and creative writing at the University of Chicago for the spring quarter, 1980.

James G. Neal, associate librarian, has been appointed to the steering committee and the Functional Specifications Task Force of Indiana Cooperative Library Services Authority's PROJECT CIRC. The project will explore ways in which Indiana libraries might cooperate in minicomputer circulation systems.

Rodolpho Sandoval, associate professor of law, has been appointed chairman of the board of directors of Ramtex Corporation in Monterrey, Mexico.

Roger B. Skurski, associate professor of economics, has been chosen to be the executive secretary of the Association for Comparative Economic Studies.

J. Kerry Thomas, professor of chemistry, has been appointed to the editorial board of Chemical Physics Letters.

activities

Teoman Ariman, professor of aerospace and mechanical engineering, lectured on "Progress in Fine Particle Control Technology" at a joint symposium on "Fibers, Electrostatic and Filtration" sponsored by the Fiber and Filtration Societies, Nov. 13, 1979, Princeton, N.J. On Nov. 14, Ariman lectured on "Buried Pipelines in a Seismic Environment" at Princeton University.

Sangchul Bang, assistant professor of civil engineering, co-authored a paper, "Centrifuge Modeling of a Lateral Earth Support," that was presented at the American Society of Civil Engineers Convention in Atlanta, Ga., on Oct. 23, 1979.

Salvatore J. Bella, Jesse Jones Professor of management, conducted workshops on leadership at the Leadership Assembly of the Marist Brothers for superiors and school principals, Provincial House, Poughkeepsie, N.Y., Nov. 9-10, 1979.

Harvey A. Bender, professor of biology, spoke on "The Memorial Hospital Level II Regional Genetics Counseling Clinic Program" at a Genetics Counseling Symposium at Memorial Hospital of South Bend, Dec. 19, 1979.

Daniel M. Chipman, associate professional specialist in the Radiation Laboratory, presented a seminar, "The Self-Consistent Valence Bond Model of Electronic Structure," at Battelle Memorial Institute, Columbus, Ohio, on Jan. 11, 1980.

Xavier Creary, assistant professor of chemistry, presented a seminar on "Novel Reactions of α -Keto Triflates with Bases and Nucleophiles" at the Central Research Division of Pfizer, Inc.,

Groton, Conn., on Dec. 10, 1979.

Jeremiah P. Freeman, professor of chemistry, presented a paper, "Cycloaddition Reaction of 2,4,5-Triphenyl-(3H)-pyrrol-3-one 1-oxide with Dimethyl Acetylenedicarboxylate," at the American Chemical Society Meeting, Washington, D.C., Sept. 10, 1979 and presented a research seminar on "The Chemistry of Δ^4 -Isoxazolines" at Monsanto Agricultural Products Co., St. Louis, Mo., on Nov. 16.

J. Michael Gould, assistant professor of chemistry, presented a seminar, "New Techniques for the Generation of Transmembrane Proton Gradients in Very Short Times," at Purdue University, West Lafayette, Ind., on Dec. 4, 1979.

Yasuhisa Hosomatsu, assistant professor of management, presented a paper, "Zero-Sum Condition, An Extension," at the annual national meeting of the Econometric Society, Dec. 28-30, 1979, in Atlanta, Ga.

Walter R. Johnson, professor of physics, spoke on "Relativistic Effects in Low Energy Photoionization" at the Houston meeting of the Division of Electron and Atomic Physics of the American Physical Society on Dec. 11, 1979.

Barry P. Keating, assistant professor of finance and business economics, discussed a paper, "A General Equilibrium Theory of Voting," at the annual meeting of the American Economic Association in Atlanta, Ga., on Dec. 28, 1979.

Bernard J. Kilbride, professor of finance, spoke at the Second Annual Investment Conference of Stewardship Services, Inc. on the subject of styles of investment management, Dec. 3, 1979, in Washington, D.C.

David C. Leege, director of the Center for the Study of Man in Contemporary Society and professor of government and international studies, served as a discussant on social modelling for church decision-making at the Invitational Conference for Church Leaders, sponsored by Aid Association for Lutherans, in Appleton, Wis., Oct. 21-23, 1979. He also served as a discussant on problems of productivity, regulation and policy structure in American higher education at the first general meeting of the ACE/Change 100, in Omaha, Dec. 3-4.

John E. Matthias, associate professor of English, had selections from his new volume of poetry, Crossing, read on the BBC, Radio 3 on Dec. 1, 1979.

Ralph M. McInerney, Grace Professor of medieval studies, director of the Medieval Institute and the Maritain Center, served as an evaluator of the M.A. program at the University of Windsor, Canada, Jan. 8-9, 1980.

Kenneth W. Milani, associate professor of accountancy, spoke on "Human Resource Accounting: Rest In Peace?" to the Michiana Chapter of the National Association of Accountants on Dec. 18, 1979.

Rev. Edward O'Connor, C.S.C., associate professor of theology, gave a lecture on "The Holy Spirit: Graces of Strength," at the University of Chicago Center for Continuing Education, Dec. 8, 1979.

Thomas J. Schlereth, associate professor of American studies, acted as the general program chairman, chaired a session on "Regionalism as an Explanatory Model in Historical Research," and participated as a panelist on a program assessing "The Future of Regional Studies" at the Conference on Midwest Regional Studies, Chicago Historical Society, Chicago, Ill., Dec. 7-8, 1979.

Roger B. Skurski, associate professor of economics, delivered a paper, "The Role of the Consumer in Soviet Economic Development," at the Research Seminar on Soviet and Polish Society, sponsored by the Russian and East European Institute, Indiana University, Bloomington, on Dec. 1, 1979. Skurski also chaired the submitted paper session of the Association for Comparative Economic Studies at the annual meetings of the Allied Social Science Association in Atlanta, Ga., on Dec. 30.

Dennis J. Stark, director and assistant professor of physical education, conducted a clinic on the coaching and judging of springboard diving for coaches, officials and interested parents on Dec. 8, 1979. The clinic was held at and sponsored by the Mishawaka Y.M.C.A.

James I. Taylor, chairman and professor of civil engineering, presented an invited paper, "Direction Finding from Arterials to Destinations," at the 1979 Federally Coordinated Projects Research Review Conference in Williamsburg, Va., Dec. 3-4, 1979. He also participated in a panel review of a Federal Highway Administration new research program, "Improved Traffic Signing and Motorist Information Systems."

J. Kerry Thomas, professor of chemistry, acted as an invited observer for the NSF at the Positronium Conference at Virginia University, Oct. 20-24, 1979. Thomas also lectured on "Reactions in Micro-emulsions" at the University of Kent at Canterbury, England, on Oct. 29.

Mary Katherine Tillman, assistant provost and associate professor in the General Program of Liberal Studies, delivered the Winter Commencement Address at the College of St. Catherine in St. Paul, Minn., on Dec. 19, 1979.

Eduardo E. Wolf, associate professor of chemical engineering, presented a paper, "The Properties and Activity of Pt-Cr/AL₂O₃ Oxidation Catalysts," at the 72nd annual meeting of the American Institute of Chemical Engineers, Nov. 25-29, 1979 in San Francisco.

Stephen T. Worland, professor of economics, delivered a paper, "What Religion has to Teach Economics about Exploitation," before the annual convention of the American Economic Association at Atlanta, Ga., on Dec. 28, 1979.

advanced studies

notes for principal investigators

National Endowment for the Humanities Administration of Endowment Grants

In the past few months, NEH has instituted several procedural and policy changes which relate to the administration of endowment grants. The purpose of this notice is to alert grantees to these changes.

Since the endowment developed a computerized records tracking system earlier this year, it has become increasingly obvious that the number of requests for extensions of grant periods is rather high and that it is not unusual for grantees to request extensions after the grant period has expired. NEH is taking the following actions to reduce the need for extension requests and to clarify our policy on this matter.

- a. Every effort is being made to issue grant awards as soon as possible after the quarterly council meetings so that grantees will receive notices of funding well in advance of the grant period.
- b. When panelists or staff members are convinced that a grantee has not requested sufficient time to complete a project, 3 to 6 months will be added to the grant period at the time the grant is issued.
- c. The following policy and procedures will be in effect henceforth:
 - (1) A written request for an extension of a grant period must be submitted to the appropriate NEH division by the authorizing official of the grantee institution no later than 30 days prior to the expiration date of the grant.
 - (2) The grantee must supply a full justification for the extension request and a plan of work for the activities which will be carried on during the requested extension period. Extensions will not be granted solely to enable grantees to use unexpended grant funds.
 - (3) All extensions of grant periods will be issued by the Grants Office as amendments to the grant award.

- (4) Extensions will normally not exceed a 12 month period and only under the most unusual circumstances will further extensions of the grant be considered.

For over two years NEH has requested that grantees submit all performance reports directly to the Grants Office rather than to the individual programs of the endowment, as was the practice in the past. A number of project directors are still submitting interim and final performance reports to the divisions which administer the grants. Frequently enough, this causes some confusion in our record keeping and results in our issuing erroneous notices of delinquency. Project directors are reminded that these reports are to be sent to:

Grants Office/Mail Stop 200
National Endowment for the Humanities
Washington, D.C. 20506

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.

Norman Foundation, Inc. Priorities and Guidelines

No. FY80-130

Program:

Traditionally the Norman Foundation has supported projects that encouraged a just political system and equitable participation in its sociopolitical institutions. The foundation will continue its commitment to civil liberties and civil rights issues, but it will now concentrate support on projects which are exploring ways to apply these principles to economic institutions. The foundation will be concerned with issues which are of particular concern to and have a disproportionate impact on minorities and the poor. A major portion of the grants' budget will go to projects which address the economic plight of the nonworking poor and which enable them to have more voice in the institutions which allocate jobs and resources in their communities. Priority will be given to organizations which develop and fulfill strategies that organize the poor to ad-

vocate on their own behalf or that create institutions over which communities of the poor have control. Each project will be assessed according to the degree to which it:

- * Proposes a plan of action that directly addresses an economic issue such as jobs, utilization and control of resources, delivery of mandated services, access to entitlements.
- * Proposes a solution at the community level to the issue addressed.
- * Demonstrates the existence of a jobless or poor constituency within the local community.
- * Demonstrates that the primary beneficiaries of the program will be the jobless and working poor.
- * Has the full and active participation of the poor on the staff and board of the organization.
- * Has an active, ongoing process for the development of local leadership.
- * Has leadership committed to building coalitions to influence, change and implement public policies.
- * Demonstrates local community support for the program such as membership fund raising efforts, volunteer participation and in-kind donations from other organizations in the community.
- * Has a well-conceived plan for raising the monies needed to bring the proposed plan of action to completion or to provide support until it can become self-sustaining.

Application:

Initial approach by letter, including a final, itemized budget. If the project falls within the scope of the foundation's interests, further information will be requested and an interview or field visit may be arranged.

Deadline:

None. The Board of Directors meets at least four times a year, and applications are acted on throughout the year.

**University of Pennsylvania
National Health-Care Management Center
Doctoral Research Support**

No. FY80-131

Program:

The University of Pennsylvania National Health Care Management Center has announced the availability of research support for doctoral students in the areas of management and organization of health care delivery systems. The center's mandate is to improve management capability in health delivery organizations through directed programs of research, continuing education and technical assistance. Particular priority will be given to projects in the areas of cost allocation and incentive reimbursement, health education and consumer behavior, health technology assessment and multi-institutional systems and regionalization.

Stipend:

\$2,500.

Deadline:

March 15, 1980.

Proposal Guidelines:

Contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

**National Institutes of Health
New Investigator Research Award**

No. FY80-132

The New Investigator Research Award program is designed to encourage new investigators (including those who have interrupted early promising research careers) in basic or clinical science disciplines to develop their research interests and capabilities in biomedical and behavioral research within the program interests of the National Institutes of Health. To help bridge the transition from training status to that of established investigator, this special grant supported program provides research grant funds for relatively inexperienced investigators with meritorious research ideas. Funds for this program are being allocated from appropriations made to the participating NIH awarding units to fulfill their legislatively mandated missions.

This issuance collates under a single title, NIRA, elements of all new and young investigator awards which were announced separately and at different times.

The next receipt date for applications is March 1, 1980.

**Office of Education
Ethnic Heritage Studies Program**

No. FY80-133

The Ethnic Heritage Studies Program provides federal assistance for educational projects designed to give students opportunities to learn about their cultural heritage as well as that of others.

A project funded under this part shall carry out the activities listed in one or more of paragraphs (a) through (c) and the activity in paragraph (d):

- (a)(1) Developing curricular materials related to--
 - (i) The history, geography, society, economy, literature, art, music, drama, language and general culture of the ethnic group(s) designated in the project application; and
 - (ii) The contributions of the group(s) to the American heritage.
- (2) This includes conducting research directed toward the production of these materials.
- (b) Disseminating ethnic heritage studies curricular materials.
- (c) Training persons in the use of ethnic heritage studies curricular materials developed under this part.
- (d) Assisting people or organizations or both with an interest in the ethnic group(s) designated in the application in promoting, encouraging, developing or producing programs or activities related to the history, culture and traditions of that ethnic group(s).

It is expected that approximately \$3,000,000 will be available for the Ethnic Heritage Studies Program in FY 1980. It is estimated that these funds could support approximately 60 projects.

- The closing date for transmittal of applications is March 5, 1980.

Black Analysis, Inc. Doctoral Fellowship Program

No. FY80-134

Program:

To exchange, refine and develop ideas and to formulate programs with specific purposes of making accurate, objective analyses of the dynamics related to the deprivation of Black Americans.

Qualifications:

- * Be accepted and enrolled in a full time doctorate degree-granting program.
- * Be pursuing a doctorate degree in psychology, sociology, social work or education.
- * Be willing to participate in BAI Conferences.
- * Be willing to consider employment with the federal government in a position in or related to child development.
- * Be willing to be interviewed by one of BAI consultants.
- * Be planning dissertation research on issues related to blacks and early childhood education or development.

Stipend:

Based on need.

Deadline:

None given.

For further information contact:

Mr. James Dyer, Director
Black Analysis, Inc.
549 West 123rd Street
Suite MD
New York, NY 10027
Telephone: (212) 866-2275
(914) 241-2944

American Heart Association Indiana Affiliate Inc. Grants-in-Aid and Fellowship Awards—1980-1981

No. FY80-135

Applications for the Grants-in-Aid and Fellowship Awards Programs for 1980-1981 are now available from the Office of Advanced Studies, Division of Research and Sponsored Programs. Also available is a copy of the application guidelines. Contact the Division of Research and Sponsored Programs as soon as possible to reserve an application.

Deadline:

March 15, 1980 for awards to begin on July 1, 1980.

Transportation Research Board National Research Council Transportation Research Projects

No. FY80-136

Program:

The National Cooperative Highway Research Program is supported by funds from participating member departments of the American Association of State Highway and

Transportation Officials (AASHTO), with the cooperation and support of the Federal Highway Administration, U.S. Department of Transportation and is administered by the Transportation Research Board of the National Research Council. It is not a grant program. It is a program of applied, contract research totally committed to providing solutions for operational problems facing highway and transportation administrators and engineers.

Areas of Interest:

- * Effect of Highway Runoff on Wetlands.
- * Translation of Computer Systems and Historical Traffic Data to Design Traffic in Urbanized Areas.
- * Simplified Methods for Evaluating and Prioritizing Low Cost Transportation Projects.
- * Elastomeric Bearings - Design, Construction and Materials.
- * Predicting Effects of Traffic Induced Vibrations on Bridge Deck Repair.
- * Below the Waterline Inspection and Repair of Bridge Substructures.
- * Control of Entrained Air in Concrete.
- * Adding Dust Collector Fines to Asphalt Paving Mixtures.
- * Use of Antistripping Additives in Bituminous Mixtures.
- * Partial Interchange Lighting.

Deadline:

Detailed project statements will be available in Feb. 1980; proposals will be due throughout April; and selections will be made in June.

Preliminary Information:

The Office of Advanced Studies, Division of Research and Sponsored Programs, has available preliminary project descriptions, allocated funding for each project and names of staff engineers to contact for each of the above projects.

The specifications for preparing proposals are quite strict and if not prepared in conformance with the guidelines will be rejected. Therefore, those interested in applying should contact the Office of Advanced Studies, Division of Research and Sponsored Programs, as soon as possible so that the guidelines can be ordered.

Research Corporation Cottrell Research Grants A Program of Grants for Basic Research in the Physical Sciences

No. FY80-137

Cottrell Research Grants Program:

The Cottrell Research Grants Program supports basic scientific research. The individual grants, all for work in the physical sciences, average about \$8,000 a year, with the largest \$25,000 and up. The foundation prefers to support young scientists, those within five years of attaining their professional degree, and almost all grants go to people on university campuses, usually young faculty members. Within the physical sciences no real preference is shown for one kind of project over another, except that the foundation likes to fund projects central to the professional aims of the research and those which have scientific significance.

Cottrell College Science Grants Program:

The Cottrell College Science Grants Program was undertaken to maintain and improve the quality of science programs in private, undergraduate colleges by helping to meet the inherently high costs of these disciplines. The program encourages basic research by faculty members, involvement of students in the research and use of postdoctoral teaching research fellows to collaborate with faculty investigators and undergraduates. Grants are made for the support of work proposed by the principal investigator.

Other Programs:

The foundation also funds a Cottrell College Science Program for academic research in the natural sciences.

Patent Program:

The Research Corporation Invention Administration Program operates independently of the grants programs. Services under this program include evaluating faculty and staff inventions, offering to accept assignment of those which appear useful and marketable, applying for patents through qualified counsel, licensing issued patents to industry and protecting these patents against infringement where the foundation deems it appropriate. Royalties are apportioned among the inventor, institution and the foundation with the institution's patent policy determining the inventor's share.

Deadline:

Proposals are accepted throughout the year.

National Institute on Alcohol Abuse and Alcoholism Alcohol Clinical/Service Training Grants

No. FY80-138

Development of manpower resources to provide the capability to deal effectively with the problems of alcohol abuse and alcoholism is a major goal of the National Institute on Alcohol Abuse and Alcoholism (NIAAA). To further this goal, NIAAA provides grants for projects to expand, improve and develop training programs. The responsibility to assure that there are sufficient numbers of adequately trained personnel to meet identified needs is shared between NIAAA and the State Alcoholism Authorities (SAAs). In general, NIAAA is interested in supporting projects which train personnel for the national manpower pool, with the SAAs providing training to meet local and state needs.

Project grant support is available for alcohol clinical/service training projects which have one of the following emphases:

Development of management, administration, planning and evaluation skills in the alcohol area.

Provision of training to facilitate the integration of alcoholism treatment into the total health care delivery system.

Training models and demonstrations.

High priority will be given to programs which attempt to develop human resources to serve special population groups including racial and ethnic minorities, women, youth and the elderly. The methods to be used to develop these human resources may include continuing education, full or part-time study, practica, workshops,

conferences, etc.

The next receipt date for submission of applications is June 1, 1980.

current publications and other scholarly works

ARTS AND LETTERS
HUMANISTIC AND SOCIAL STUDIES

Economics

Marsh, Lawrence

M.E. Scovill and L. Marsh. 1979. Using systems dynamics to model the Social Security system. Pages 757-767 in, Policy Analysis with Social Security Research Files. U.S. Department of Health, Education and Welfare.

Scovill, Mary E.

M.E. Scovill and L. Marsh. 1979. Using systems dynamics to model the Social Security system. Pages 757-767 in, Policy Analysis with Social Security Research Files. U.S. Department of Health, Education and Welfare.

Wilber, Charles K.

C.K. Wilber. 1979. Empirical verification and theory selection: The Keynesian-Monetarist debate. Journal of Economic Issues 13(4):973-982.

English

Gernes, Sonia

S. Gernes. 1979. The Confessions of a Daydreamer. Notre Dame Magazine 8:61.

Robinson, James E.

J.E. Robinson. 1979. King Lear and the Space Between. Notre Dame English Journal: A Journal of Religion in Literature 12:27-54.

General Program of Liberal Studies

Tillman, Mary K.

M.K. Tillman. 1979. The human sciences. Review of Michael Ermarth's Wilhelm Dilthey: The Critique of Historical Reason. The Review of Politics 41 (4):598-601.

Modern and Classical Languages

Rubulis, Aleksis

A. Rubulis. 1979. Zverests. Laiks 31(93(3065)):3.

SCIENCE

Chemistry

Amphlett, Godfrey W.

G.W. Amphlett, R. Byrne and F.J. Castellino. 1979. The binding of calcium to the activation products of bovine factor IX. Journal of Biological Chemistry 254:6333-6336.

Castellino, Francis J.

M.L. Hayes and F.J. Castellino. 1979. Carbohydrate of the human plasminogen variants. I. Carbohydrate composition, glycopeptide isolation and characterization. Journal of Biological Chemistry 254:8768-8771.

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G.A. Beltram and T.P. Fehlner. 1979. Substituent effects in cluster species. 2. Photoelectron spectra of 2- and 2,4-substituted 1,6-dicarba-closo-hexaborane (6). Journal of the American Chemical Society 101(21):6237-6244.
- G. Beltram, T.P. Fehlner, K. Mochida and J.K. Kochi. 1980. UV photoelectron spectra of group IV alkyl hydrides. Journal of Electron Spectroscopy and Related Phenomenon 18:153-159.
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J.P. Freeman, M.J. Haddadin and J.F. Hansen. 1979. Some reactions of enamine adducts of 3,4-diazacyclopentadienone 3,4-dioxides. Journal of Organic Chemistry 44:4978-4979.
- G.R. Stevenson, J.F. Hansen, G. Clark and J.P. Freeman. 1979. Substituted diazacyclopentadienone anion radicals. Journal of Organic Chemistry 44(18):3211-3215.
- Hayes, Robert G.
S. Muralidharan and R.G. Hayes. 1979. Satellites in the x-ray photoelectron spectra of metalloporphyrins. Journal of Chemical Physics 71:2970-2974.
- Trozzolo, Anthony M.
*V.M. Dixit, V. Bhat, A.M. Trozzolo and M.V. George. 1979. Sensitized photooxygenations of Δ^2 -oxazolin-5-ones and related studies¹. Journal of Organic Chemistry 44(23):4169-4173.

* Under the Radiation Laboratory

Mathematics

- Matsushima, Yozo
Y. Matsushima. 1979. On the intermediate cohomology group of a holomorphic line bundle over a complex torus. Osaka Journal of Mathematics 16(3):617-631.

BUSINESS ADMINISTRATION

Accountancy

- Milani, Ken
J.L. Wittenbach and K. Milani. 1980. Programmed Learning Aid for Federal Income Tax. Learning Systems Company, Homewood, Illinois.
- Wittenbach, James L.
J.L. Wittenbach and K. Milani. 1980. Programmed Learning Aid for Federal Income Tax. Learning Systems Company, Homewood, Illinois.

Finance and Business Economics

- Johnson, James M.
J.M. Johnson. 1979. Determinants of unsuccessful

- risk capital funding by small business. American Journal of Small Business 4(1):31-38.
- J.M. Johnson and T. Patrick. 1979. The correspondent as an inexpensive source of funds. Bank Administration 55(10):54-55.

Management

- Eagan, William
W. Eagan and D.J. Dreyer. 1979. Landlord and tenant: Rights and responsibilities, with particular application to Indiana. Pages 538-554 in, Selected Papers of the American Business Law Association National Proceedings.

LAW

- Ripple, Kenneth F.
K.F. Ripple. 1979. Review, The Justices of the United States Supreme Court, Their Lives and Major Opinions, Volume V. Notre Dame Lawyer 55:154.
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RADIATION LABORATORY

- Ferraudi, Guillermo
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monthly summary

Awards Received

IN THE MONTH OF DECEMBER, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Earth Sciences	Winkler	Preservation of monuments of limestone and sandstone	L.J. and M.C. Skaggs Fdtn.	27,386 24
Microbiology - Lobund Lab.	Wostmann, Pleasants	Characterization of nutritionally defined gnotobiote	Natl. Inst. Health	98,166 12
Chemistry	Kowalski	Synthesis of anticancer germacronolide sesquiterpenes	Natl. Inst. Health	74,342 12
Civil Eng.	Irvine	Full scale study of sequencing batch reactors	Environ. Prot. Agency	176,500 24
Cent. Study Man	Leege, Kerrigan	Jose Ortega y Gasset's MAGNUM OPUS (translation)	Joyce Fdtn.	2,000 --
Microbiology - Lobund Lab.	Pollard	Maintenance of germfree animals for activities in molecular biology	Miles Labs., Inc.	2,000 12
AWARD FOR FACILITIES AND EQUIPMENT				
Microbiology - Lobund Lab.	Pollard	Development and maintenance of germfree animal colonies - supplement	Natl. Inst. Health	10,915 5
AWARDS FOR EDUCATIONAL PROGRAMS				
Cent. Study Man	Goodpaster	Conscience and the corporation: Three dialogues on ethics and business	Ind. Comm. Human.	11,430 9
Electrical Eng.	Melsa, Stanchina	Restructuring of logic design course to use stored program implementation	Westinghouse Educ. Fdtn.	50,000 30
Snite Museum of Art	Porter	Conservation 1980-81: Phase II	Ind. Arts Comm.	5,000 6
SERVICE PROGRAMS				
Cent. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy	---	2,969 --
Cent. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy Training Programs	---	1,942 --
Cent. Past. Soc. Min.	Gaynor	Religious Leaders Program	---	625 --
Cent. Past. Soc. Min.	McNeill	Center for Experiential Learning	---	30 --

Proposals Submitted

IN THE MONTH OF DECEMBER, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Physics	Biswas, Cason, Kenney	Experimental research in high-energy elementary-particle physics	Natl. Sci. Fdtn.	1,448,240 36
Advanced Studies	Gordon	Biomedical research support grant	Natl. Inst. Health	-- 12
Cent. Study Man	Leege, Kerrigan	Jose Ortega y Gasset's MAGNUM OPUS (translation)	Earhart Fdtn.	7,649 --
Aerospace Mech. Eng.	Akai	Nonlinear effects on free-surface poten- tial flows past three-dimensional bodies	Natl. Sci. Fdtn.	70,366 24
Physics	Browne, Darden, Funk	Nuclear structure research	Natl. Sci. Fdtn.	1,012,105 24
Microbiology - Lobund Lab.	Pollard	Intestinal carcinogenesis in conven- tional and germfree rats	Natl. Inst. Health	82,466 12

"Proposals Submitted" continued

Department or Office	Principal	Short title	Sponsor	Dollars Months
Aerospace Mech. Eng.	Akai	Nonlinear effects on free-surface poten- tial past three-dimensional bodies	U.S. Navy	70,366 24
General Program	Crowe	History of the extraterrestrial life de- bate from Fontenelle to Lowell	Natl. Sci. Fdn.	51,820 19
Chemical Eng.	Kohn	Liquid-liquid-vapor equilibria in LNG systems	Gas Proc. Assocn.	19,158 8
Chemistry	Thomas	Photochemistry in colloidal semicon- ductors	Solar Energy Res. Inst.	195,955 24
Biology	Saz	Intermediary metabolism of helminths	Natl. Sci. Fdn.	317,863 36

PROPOSALS FOR FACILITIES AND EQUIPMENT

Memorial Library	Miller	College library resources program (FY1980)	U.S. Off. Educ.	5,000 12
Civil Eng.	Theis	Hydrodynamic and chemical modeling of heavy metals in ash pond leachates	Dept. Energy	13,112 12
Chemistry	Castellino	Fluorescence measurements in chemical and biological systems	Hercules, Inc.	5,000 --

PROPOSALS FOR EDUCATIONAL PROGRAMS

Inst. Internatl. Stud.	Francis, Jameson	Seminar on comparative Third World developmental experiences	U.S. Off. Educ.	83,545 12
Electrical Eng.	Cohn, Garson	Interactive graphics programs for computer literacy	Apple Educ. Fdn.	18,966 6
Law School	Sandoval	Black American law students delegation to Cuba	(private fdtn.)	6,139 2
Cent. Study Man	Leege	Inter America fund for educational development	C.S. Mott Fdn.	126,882 6
Inst. Internatl. Stud.	Francis	Freshman international relations class	U.S. Off. Educ.	49,245 12
Economics	Wilber	Fulbright visiting professor program	Coun. Internatl. Exchange Schol.	20,140 5

summary of awards received and proposals submitted

IN THE MONTH OF DECEMBER, 1979

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$ 276,666	3	\$ 103,728	6	\$ 380,394
Facilities and Equipment	1	10,915	-	- - -	1	10,915
Educational Programs	-	- - -	3	66,430	3	66,430
Service Programs	-	- - -	4	5,566	4	5,566
Total	4	\$ 287,581	10	\$ 175,724	14	\$ 463,305

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	\$ 2,613,789	5	\$ 662,199	11	\$ 3,275,988
Facilities and Equipment	1	13,112	2	10,000	3	23,112
Educational Programs	-	- - -	6	304,917	6	304,917
Service Programs	-	- - -	-	- - -	-	- - -
Total	7	\$ 2,626,901	13	\$ 977,116	20	\$ 3,604,017 ^a

^a Does not include a NEA Challenge Grant proposal for \$1.6 million

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	
Arms Control and Disarmament Agency	Hubert H. Humphrey Fellowships	March	15, 1980
Department of Labor	CETA Doctoral Dissertation Grants	March	1, 1980
Department of Labor	CETA Small-Grant Program	March	1, 1980
Food and Drug Administration	Research Support	March	1, 1980
Institute of Museum Services	Museum Services Program	March	7, 1980
National Endowment for the Humanities	Fellowship and Stipend Programs (advanced study)	March	1, 1980
National Endowment for the Humanities	Research Programs (general research)	March	1, 1980
National Endowment for the Humanities	Special Programs and Projects	March	1, 1980
National Institute for Occupational Safety and Health	Applications for Research	March	1, 1980
National Institute of Education	Research Grants on Law and Government Studies in Education	March	3, 1980
National Institute of Law Enforcement and Criminal Justice	Government Benefits Program: Approaches to Controlling Fraud and Abuse	March	1, 1980
National Institute of Law Enforcement and Criminal Justice	Grant to Study Arson Adjudication	March	7, 1980
National Institute of Law Enforcement and Criminal Justice	Effects of Sentencing Alternatives on Prison Environments	March	15, 1980
National Institute of Mental Health	Disaster Assistance and Emergency Mental Health	March	1, 1980
National Institute of Mental Health	Mental Health Epidemiology	March	1, 1980
National Institute of Mental Health	Mental Health of the Aging	March	1, 1980
National Institute of Mental Health	Metropolitan Problems	March	1, 1980
National Institute of Mental Health	Prevention and Control of Rape	March	1, 1980
National Institute of Mental Health	Project Grants	March	1, 1980
National Institute of Mental Health	Research Grants	March	1, 1980
National Institute of Mental Health	Special Research Grants	March	1, 1980
National Institute of Mental Health	Studies of Child and Family Mental Health	March	1, 1980
National Institute of Mental Health	Studies of Crime and Delinquency	March	1, 1980
National Institute of Mental Health	Training Grants	March	1, 1980
National Institute on Alcohol Abuse and Alcoholism	National Alcohol Research Centers	March	1, 1980
National Institute on Alcohol Abuse and Alcoholism	Prevention Demonstration Grants	March	1, 1980
National Institute on Alcohol Abuse and Alcoholism	Research	March	1, 1980
National Institute on Alcohol Abuse and Alcoholism	Treatment and Rehabilitation Demonstration Grants	March	1, 1980
National Institute on Drug Abuse	Prevention Education Projects	March	1, 1980
National Institute on Drug Abuse	Research on Narcotic Addiction and Drug Abuse	March	1, 1980
National Institutes of Health	Projects to Support Animal Resources	March	1, 1980
National Institutes of Health	Research Career Development	March	1, 1980
National Institutes of Health	Research Project Grants	March	1, 1980
National Library of Medicine	Biomedical Publication Grants	March	1, 1980
National Library of Medicine	Medical Library Resource Improvement Grants	March	1, 1980
National Science Foundation	International Cooperative Scientific Activities (U.S./India)	March	15, 1980
National Science Foundation	Science for Citizens	March	15, 1980
Office of Education	Community Education Program	March	10, 1980
Office of Education	Ethnic Heritage Studies	March	5, 1980
Office of Education	Personnel Training for Community Education Programs	March	10, 1980
Office of Education	Teacher Centers Program	March	3, 1980
Public Health Service	Health Services Research, Evaluation and Demonstration Projects	March	1, 1980
Public Health Service	Indian Health Scholarships (professionals)	March	15, 1980
Public Health Service	National Health Service Corps Scholarships	March	15, 1980
Public Health Service	Occupational Health Training Centers	March	1, 1980
Public Health Service	Occupational Safety and Health Training	March	1, 1980

documen- tation

summer session baccalaureate mass homily

(Homily delivered by Rev. John L. Young, C.S.C., for the 1979 Summer Session Baccalaureate Mass, Aug. 3, 1979.)

It is a special pleasure for me to greet you all this morning, all the more so since I can speak to you as a fellow August graduate, having received an M.S. in chemistry from Notre Dame not too many summers ago. Like you, I know that there are two times during the year when commencement is held, and that this is the time when it is done with more taste and dignity, yet surely with no less joy and enthusiasm.

I offer you my esteem and congratulations, and would like to reflect with you on today's readings as they speak to this occasion we are sharing. The first reading, fittingly enough, speaks of a time of solemn celebration. The feasts which they regularly celebrated enabled the people of Israel to realize their identity through an offering or sacrifice, a making-holy based on the simple elements of their everyday lives. They did this with each week by setting aside the sabbath. The same habit marked also the broader rhythm of

the passing of each part of the year. As each stage of the yearly cycle came, the people were summoned to join in making an appropriate offering to God, affirming their identity as God's people and renewing their shared sense of who they were through a special celebration.

I believe that we are doing much the same thing today. We know that like the week and the year, so too the whole of life proceeds by stages. It is good and usual to mark these with special celebrations. As you receive your degrees you move from one situation or stage on to another. And we begin our observance of this special event here at the eucharist, the ultimate sacrifice which has its roots in the Old Testament Jewish observances of today's first reading from Leviticus.

You have freely chosen to identify yourselves with, to study at, and to receive your degrees from Notre Dame, a University which takes--at some cost--a definite stance regarding values. You are committed not only to excellence in the area of your learning but also to exercising a definite responsibility as you use and apply what you have gained here. You propose not only to do well in your chosen fields but to use your skills in a way that expresses and even advances our Judeo-Christian tradition. You propose to act in accordance with an identity which we now affirm and celebrate, joined by your teachers, family and friends who have in various ways made it possible for you, through your education, to take on this further responsibility.

I am reminded of a story which Fr. Durwell recalls in his book, In the Redeeming Christ. It is of a newly consecrated bishop who resolved at the Mass of his ordination as bishop that he would live in such a way that whenever anyone asked him what he was doing he would be able to reply truthfully that he was preparing for Mass. He wanted to center the rest of his life on the death and resurrection of Jesus, on that sacrifice towards which God's people were groping as they carried out the prescriptions we heard about in the first reading. That offering of their first and best stood for the offering of everything. We are called today to do the same with the rest of our lives as we apply what we have studied and worked hard to learn. We are called on to commit ourselves to completing God's act of creation, revealing Him to those with whom we live and work. We are called to join and complete His saving action with everything that we do. I would even say that we are called upon, as Fr. Durwell puts it, to do the saintly bishop one better and live so that we could say at any time that we are in fact offering Mass.

How can we live in this way? The details will differ for each of us according to our life's circumstances and the different paths we have chosen and set out on today, but hopefully your experiences here have helped you build a sense of how to balance your priorities as you use what you have learned. Hopefully you have experienced the sharing of mutual support in the pursuit of what is important and had examples of this integration in those with whom you share this day. Hopefully, too, you will return here at times in the future to renew the identity you now celebrate.

What can we expect from taking this stance towards life? Certainly there is much satisfaction in it. This I can say from my experience and trust that you already can say the same from yours. But the second reading from St. Matthew's Gospel warns us that we will also run into trouble, perhaps when we might least be expecting it. As followers of Jesus, we know that we can expect no better than He got. It seems that the world's very need for what He did set Him up for this rejection.

How did He handle it? St. Matthew seems to tell us that He resorted to a familiar saying, "A prophet will always be held in honor, except in his home town." Perhaps it was a common proverb at the time. His reaction was as if to say, "Oh, well, it might have been expected after all." The last thing He did was to let it slow Him down or bother Him. Rather, He simply moved on and continued. No doubt, we will sometimes have to do the same. Like Jesus, when our best efforts are rebuffed, we'll have to say, "Oh, well, it might have been expected." Rather than be discouraged we, as He did, simply and calmly gather our strength and move on. The more fully our lives are centered on the eucharist, the more dedicated we are to our Christian identity, the more often we, like Jesus, can expect to run into this problem. When we have such experiences it may even be a mark of our success in following Him. Yes, it might have been expected.

My hope, then, for you is that at moments when you need it your experiences here will enable you to bring to mind where your basic loyalties are and how to apply these to each particular situation whatever it is; that you will find strength as Jesus did and as the University hopefully does, to bear the costs and take the risks to properly use your learning; that you will pursue joyfully and successfully the opportunities newly open to you, living up to your full identity with wisdom and good judgment, sharing with the many others who need them all the good things you've experienced here.

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