

'78-'79

notre dame report

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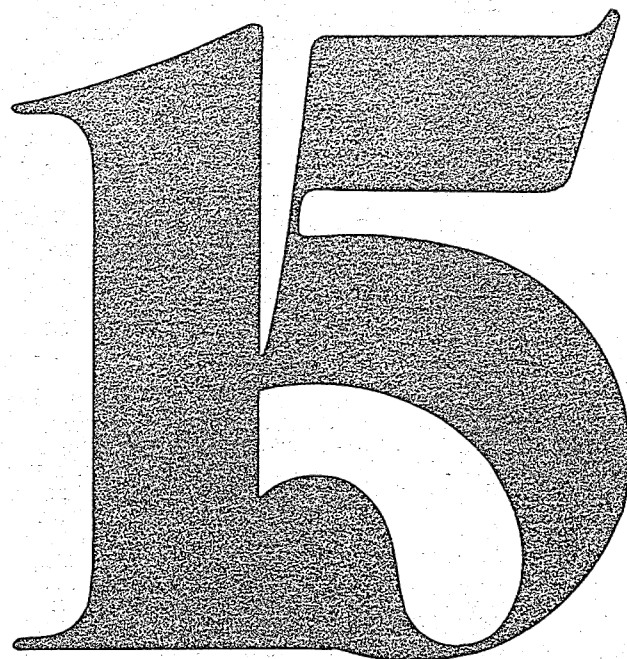
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the university

1979 Sorin Award

The 1979 Edward Frederick Sorin Award of the University of Notre Dame Alumni Association will be presented to Hugh Devore, a Houston business executive who twice served as head coach of the Fighting Irish football team. National directors of the association and representatives of many of the Notre Dame Clubs across the nation will attend the presentation ceremony May 4 in the Athletic and Convocation Center.

Named for the founder of Notre Dame in 1842, the Sorin Award is presented annually to an alumnus or alumna who has contributed outstanding service to his or her community and to the University. The presentation is part of the annual May meeting of the alumni group on the campus.

A star athlete in his home community of Newark, N.J., Devore enrolled at Notre Dame in 1930, one of the last football players to be recruited by Knute Rockne. He won monograms in both football and baseball and was named to several All-American teams. He was named assistant to Elmer Layden after graduation before going on to assistant or head coaching positions at Fordham, Providence, Holy Cross, St. Bonaventure and Dayton. Devore also held coaching positions with the Green Bay Packers, Philadelphia Eagles and Houston Oilers, and was interim head coach at Notre Dame in 1945 and 1963.

In recent years he has served in a public relations capacity with the Houston Astrodome and directed several special events. He has also been active in coordinating several Notre Dame Club activities in Houston and Southwest states.

Marston Morse Collection Received

A major collection of books and journals owned by the late Marston Morse, one of the era's foremost mathematicians, has recently been received by the University. The collection, the result of a bequest by Morse, includes 630 volumes and 48 research journals.

Morse, who died in 1977, received his Ph.D. from Harvard in 1917, and his career from 1919 to 1935 centered there, although he also taught at Cornell and Brown Universities. In 1935 he became a professor at the newly founded Institute for Advanced Studies in Princeton, N.J., joining its original mathematics faculty, which included Einstein, Alexander, Veblen, and others. He was a professor there until his death, having become emeritus in 1962. He was a leading authority on the calculus of variations in the large.

Morse's interests were broader than mathematics, and he and Rev. Theodore M. Hesburgh, C.S.C., represented the Vatican at the Atoms for Peace conference at the United Nations in 1952, while Morse was a member of the first National Science Foundation Board. He received an honorary degree from Notre Dame in 1956.

Timothy O'Meara, Kenna Professor of Mathematics and provost, presided over the ceremonies marking the official reception of the collection by the University on April 6. Raoul Bott, professor of mathematics at Harvard and a friend of Morse's, gave personal reminiscences and a talk on Morse's mathematical achievements.

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Administration Building Centennial

The 100th anniversary of the Administration Building, rebuilt after a disastrous fire in 1879, will be observed April 23 by the University community and priests and religious of Holy Cross.

The occasion marks the very day that fire destroyed the previous Main Building, which housed classrooms, offices, dormitories and refectories—virtually the whole University. The University's founder, Fr. Edward F. Sorin, C.S.C., decided to build a larger edifice with a golden dome and statue of the Virgin Mary.

Willoughby J. Edbrooke, the Chicago architect who was to design much of 19th century Notre Dame, set the first stakes for the new main building on May 17. More than 300 laborers worked 16 hours daily to lay 4.35 million homemade bricks, and the "new Notre Dame" was ready for the return of students in mid-September.

The centennial observance will begin with a convocation in Washington Hall at which Thomas Schlereth, associate professor of American studies, will give a slide-illustrated lecture on "Notre Dame One Hundred Years Ago."

The lecture will be followed by a Solemn Mass of Thanksgiving in Sacred Heart Church, with Rev. Theodore M. Hesburgh, C.S.C., as principal celebrant and homilist. The observance will end with a dinner for representatives of the priests, brothers and sisters of Holy Cross and of the University in the South Dining Hall. There Philip Gleason, professor of history, will speak on "Notre Dame and American Catholic Higher Education, 1879-1979."

Summer Golf Association

Members of the faculty or staff wishing to participate in the University Faculty and Staff Golf Association during the summer months should contact James R. Wruck, Room 105, Computing Center prior to May 7. League play begins May 16 and will continue each Wednesday afternoon until August 22.

Annual Report of Research and Scholarly Works

According to the Annual Report, Research and other Scholarly Works, prepared by the University's Office of Advanced Studies, Division of Research and Sponsored Programs, Notre Dame faculty members were awarded \$8.7 million for research, facilities and equipment, education, and service between July 1, 1977 and June 30, 1978. This was an increase of almost \$600,000 over the previous year and a jump of more than \$2 million over the 1976 total. Some \$6.7 million was awarded for research another \$1.2 million supported educational programs.

The report indicates that more than half the faculty published or presented scholarly works during the year, ranging from one-man art shows in England to a paper on lateral beams and beam-column joints presented at the sixth World Conference on Earthquake Engineering, from a story on "chitchat for good employee morale" published in Nations Business to a project entitled enzymatic synthesis of a disialoganglioside by a sialyltransferase from embryonic chicken brain. The report lists 1,400 such projects as well as another 1,000 investigations and works completed but not yet made public by June 30, 1978.

The annual report, intended "to serve as a historical summary of the research and scholarship conducted by the faculty of the University in 1978 and to provide insight into the diversity and extent of this aspect of University activity," also lists 140 faculty members directing about 300 doctoral theses in progress during this time span.

For their expertise, research, teaching ability and scholarly activities, 50 faculty members received professional honors during the year, 80 received a total of 150 special fellowships or awards, and more than 200 were named to about 750 professional committees or board membership.

The report is the 33rd in a series of annual reports which have been issued continuously since 1947. It presents a permanent record and provides a sense of the tempo of research and scholarly activities at the University for the preceding year.

faculty notes

Appointments

Rev. Thomas C. Tallarida, C.S.C., rector of Zahm Hall, has been appointed director of International Student Affairs.

Honors

Teoman Ariman, associate professor of aerospace and mechanical engineering, has been appointed conference chairman for the Pressure Vessels and Piping Division for the Century 2--Emerging Technology Conference, San Francisco, Aug. 10-23, 1980 at the Centennial Meeting of the American Society of Mechanical Engineers.

Harvey A. Bender, professor of biology, and his wife Eileen, have been appointed to the Danforth Associate Program of The Danforth Foundation of St. Louis for a six-year term beginning June 1.

Raymond M. Brach, associate professor of aerospace and mechanical engineering, received the Western Electric Award of the American Society of Engineering Education of the Society's Illinois-Indiana Section Meeting at Bradley University, March 30. The award is given for excellence in the instruction of engineering students and consists of a certificate and cash award. At the same meeting, Mitchell Jolles, assistant professor of aerospace and mechanical engineering, received the Society's Dow Outstanding Young Faculty Award. John W. Lucey, associate professor of aerospace and mechanical engineering, was elected chairman of the Section for 1979-80.

Michael J. Crowe, professor in the General Program of Liberal Studies was elected "President-Elect" of the Midwest History of Science Society at its March, 1979 meeting. He will assume the presidency of the society in 1980.

Nathan O. Hatch, assistant professor of history, has been awarded a grant by The Lilly Endowment to coordinate a research project entitled "The Bible in American Culture."

Moses R. Johnson, assistant professor of psychology, has been selected to participate in a summer institute on The Nature of Morality and Moral Development at the Center for Advanced Study in the Behavioral Sciences at Stanford University, July 9 through Aug. 17.

Donald W. Kline, assistant professor of psychology, has been invited to serve on the Working Group on Visual Function and Aging of the National Research Council of the National Academy of Sciences.

The American Psychological Association has named John F. Santos, professor of psychology, to its Steering Committee for the Training of Psychologists for Work in Aging.

Activities

Teoman Ariman, associate professor of aerospace and mechanical engineering, presented a lecture entitled "New Developments in Energy, Environment and Earthquake Engineering Research," at the University of Tulsa, Tulsa, Okla., March 29.

James M. Daschbach, professor of aerospace and mechanical engineering, presented a seminar at Clark Equipment, Battle Creek, Mich. on March 29, entitled "Contemporary Work Measurements."

Fabio B. Dasilva, professor of sociology and anthropology, presented a paper entitled "Dependency Theory in the Case of Modern Brazil" in the session on political theory at the Southwestern Social Science Association annual meeting in Fort Worth, Tex., March 25.

Walter R. Davis, professor of English, gave a workshop on writing poetry for the AAUW Poetry Group, LaPorte, Ind., Feb. 9. Davis also gave a lecture, "Alchemical Imagery in the Ripley Scroll," to the Notre Dame Society for Jungian and Archetypal Psychology, Feb. 4.

Michael Delich, associate professor of aerospace and mechanical engineering, presented a paper entitled "The Application of Thermosyphon in a Long-Duration Low Temperature Storage System for Residential Cooling," (coauthored with Kwang-Tzu Yang, professor of aerospace and mechanical engineering,) at an intensive workshop on Thermal Energy Storage for Solar Heating and Cooling sponsored by the U.S. Department of Energy in San Antonio, Tex., on March 20.

Moir M. Geoffrion, assistant professor of art, delivered a talk on her work at Goddard College, Plainfield, Vt. on March 20, and also made a sculpture for the college at that time. Geoffrion is also in a three-person art exhibit at Southern Illinois University, Edwardsville, Ill., which opened April 2.

Alexander J. Hahn, associate professor of mathematics, gave an invited lecture on "The Spinor Norm and its Role in the Classification of Quadratic Forms", at the joint algebra seminar of McGill University and the University of Laval, Quebec City, on March 20.

Joseph C. Hogan, dean of the College of Engineering and professor of electrical engineering, attended the 16th Annual Institute for Engineering Deans, held in Lake Tahoe, Nevada, March 26-28. On the first day of the Institute, he chaired the opening session and moderated a panel discussion on "Engineering and Engineering Technology: Toward a Dialogue."

David Clark Isele, assistant professor of music and conductor of the Notre Dame Glee Club, composed a new piece, "By an' By", based on an American spiritual, which was sung in concerts during the Glee Club's Spring Tour of Washington, Oregon, California, Nevada, and Arizona. In addition to formal concerts the Glee Club was one of seven singing groups to participate in the Seventeenth Annual Invitational Choral Festival at Chapman College, Orange, Calif.

Mitchell Jolles, assistant professor of aerospace and mechanical engineering, presented a lecture entitled "Tips for Student Feedback in Large Classes," at a session entitled "Maintaining Effective Teaching in Large Classes," at the Illinois-Indiana Section of the American Society of Engineering Education held in Peoria, Ill., March 30.

A. Murty Kanury, associate professor of aerospace and mechanical engineering, presented a seminar entitled "Similarity Principles Applied to Blast Effects," at the Civil Defense Preparedness Agency Conference held at Asilomar, Calif., March 19.

Lloyd H. Ketchum, Jr., assistant professor of civil engineering, presented a paper entitled, "Design of Operating Computers for Water and Wastewater Treatment Plants" at the 27th National Convention of the National Science Teachers Association in Atlanta, Ga., March 23-27.

Rev. Anthony J. Lauck, C.S.C., professor emeritus of art, had an exhibition of his new sculpture and drawings at the Bodley Gallery in New York from March 31 through April 4.

John W. Lucey, associate professor of aerospace and mechanical engineering presented a paper entitled "An Energy Sequence in Mechanical Engineering," at the National Science Teachers Association Meeting in Atlanta, Ga., March 23.

Thomas G. Marullo, assistant professor of modern and classical languages, delivered a lecture and slide-show presentation entitled "Contemporary Leningrad" to the Cincinnati Consortium of Colleges and Universities at Thomas More College in Fort Mitchell, Ky., on March 22. Marullo also presented a paper, "Sketching 'Fallen Angels' and 'Infernal Women': Dostoevskii's *Netochka Nezvanova*" in the panel on Eastern Slavic Literature at the annual meeting of the Northeast Modern Language Association at Hartford, Conn., on March 29. He was also elected secretary of the panel for next year.

Thomas J. Mueller, professor of aerospace and mechanical engineering, presented an invited lecture entitled "Smoke Visualization of Subsonic and Supersonic Flows" at the Naval Surface Weapons Center, White Oak, Silver Springs, Md., on March 21.

Kenneth F. Ripple, associate professor of law and director of the Thomas and Alberta White Center for Government, Law and Human Rights, delivered a lecture entitled "Thurgood Marshall and the Forgotten Legacy of *Brown v. Board of Education*" at the 25th Anniversary Observance of *Brown v. Board of Education*, Purdue University (North Central Campus), March 16.

Konrad Schaum, chairman and professor of modern and classical languages, presented a paper entitled "The Problem of a Balanced Curriculum" and was invited to serve as faculty consultant during a conference on "Challenges in Humanities Education" sponsored by the Association of State Colleges and Universities under the auspices of the National Endowment of the Humanities in St. Louis, Mo., March 12-16.

Thomas L. Shaffer, professor of law, gave the first Edward Rightor Lecture at the Loyola University School of Law on March 21. The lecture was sponsored by the Law School and the St. Thomas More Law Club; the topic was "Serving the Guilty."

James P. Sterba, assistant professor of philosophy, presented a paper entitled "Abortion and Future Generations" at the Pacific Division Meeting of the American Philosophical Association held in San Diego, March 23-25.

Lee A. Tavis, C.R. Smith Professor of Business Administration, conducted a seminar on the "Cost of Capital and Capital Investment Decision-Making for Regulated Industries," at The University of Texas at Dallas, Feb. 2-3. Tavis also organized the annual University of Illinois, University of Indiana, and University of Notre Dame joint finance faculty workshop at Notre Dame, March 9.

Penny Van Esterik, assistant professor of sociology and anthropology presented a paper entitled "Technological and Ideological Continuities in Hill and Lowland Southeast Asia" for a workshop on basic religious symbolism of Southeast Asia, at the annual meetings of the Association for Asian Studies, Los Angeles, March 30.

office of advanced studies

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.

Hoover Presidential
Library Association, Inc.
Herbert Hoover Presidential Fellowship
and Grant-in-Aid Program

No. FY79-125

Purpose:

To encourage original scholarship into the public career of Herbert Hoover, or into national public policy during the Hoover Period, 1921-1933.

Priority:

To scholarly projects which utilize the resources of the Herbert Hoover Presidential Library and Museum, West Branch, Iowa, and which have the highest probability for publication and discussion and use by educators and policymaking.

Awards:

Fellowships will be awarded as stipends for extended postdoctoral research and will range to an annual maximum of \$10,000. Grants-in-Aid will be awarded to defray travel and per diem expenses for pre- and post-doctoral research and will range to an annual maximum of \$1,000 per individual.

Requirement:

Recipients are required to provide the Association with copies of all publications resulting from supported research.

Period of Awards:

Twelve months, beginning June 1.

Deadline:

For receipt of 1980-1981 applications, deadline is January 1, 1980.

Applications are available from the Office of Advanced Studies, Division of Research and Sponsored Programs.

The Center for Field Research Sponsorship of Field Research

No. FY79-126

The Center for Field Research, Belmont, Massachusetts, offers private funds and volunteer staff to scientists and humanists conducting field research.

Areas of Interest:

Anthropology, Archaeology, Art History, Astronomy, Biology, Botany, Cartography, Conservation, Ethnology, Folklore, Geography, Geology, Historic Preservation, Marine Sciences, Medicine, Meteorology, Musicology, Ornithology, Public Health, Sociology, Zoology.

Interdisciplinary proposals are invited.

Deadlines:

Preliminary proposals may be submitted any time. Formal proposals must precede field work by nine months. Formal proposal deadlines are: May 15 and October 1.

Eligibility:

To qualify, the research must be able to utilize volunteers in the fieldwork. The Center favors field research directed by Ph.D's; however, inclusion of graduate students as staff is encouraged.

Size of Grants:

The Center makes annual awards in excess of \$600,000. Past awards have ranged from \$1,500 to \$50,000 depending on the number of volunteers.

How to Apply:

First, submit a two-page preliminary proposal outlining objectives, project dates and the need for funds and volunteers. For further information and proposal guidelines contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

National Endowment for the Arts Expansion Arts

No. FY79-127

The Expansion Arts Program reflects the Endowment's desire to expand the involvement of all Americans in the arts and to encourage the artistic expression of the nation's diverse cultural groups. It carries out these goals by supporting neighborhood and community-based arts organizations, directed by professionals, in cities, towns and rural areas.

In Expansion Arts activities, people from the neighborhood and community can take a real part in artistic, administrative and developmental matters. The directors of these projects are usually working in their own communities, and are deeply involved with local cultural expressions and traditions.

This interdisciplinary program encourages original and promising works of art, innovative art forms and art-related activities and new ways of using old and new art forms, particularly as they can be applied in low and moderate-income communities. It also aims to help people from different cultures understand and work with one another. We hope that more public, private, foundation and business funds will follow Endowment support in these areas.

The scope of the Expansion Arts Program is very broad, and we welcome exciting new ideas. Our program tries to remain flexible enough to be able to embrace them.

The Endowment funds:

- Community-based projects that offer workshops and classes at little or no cost
- Community-based arts projects that offer performances, exhibitions or festivals
- Community-based cultural centers that deal with at least two art forms
- Summer arts projects
- Regional festivals of community-based arts groups
- Management and other technical assistance for community-based arts organizations

The next deadline is July 1, 1979.

National Science Foundation Division of Policy Research and Analysis

No. FY79-128

The central interest in technology assessment is to systematically identify and examine the planned and unplanned consequences of technological choices and change, with an emphasis on consequences that are indirect, unanticipated and delayed. By examining these consequences before the implementation of the technology, the assessment seeks to identify, in advance, those problematic issues that may become the focus of social conflict and political debate. The basic function of a technology assessment is to generate information that will help decision makers anticipate and plan for contingencies associated with the implementation of new technologies, especially those technologies that may require policy intervention.

The primary objectives of a technology assessment are to: (1) identify and analyze the relevant economic, social, technological, legal, psychological, institutional, environmental and political consequences of a projected technological change; (2) analyze the ability of existing institutions to accommodate to technological change and the ability of new technologies to accommodate to institutional change; (3) explicate the different points of view of the parties at interest; (4) compare the alternative policy and technological choices available to decision makers; (5) identify and analyze the uncertainties and risks associated with alternative policy choices.

The principal use of technology assessment as a public policy tool is to improve specification of alternative policy choices and their probable outcomes. Such policy choices fall into roughly three nonexclusive categories: policies that promote technological development, policies that are permissive and let development take its course and policies that inhibit, regulate and control. But in order for the results of a technology assessment to be useful in public policy formation, the problematic issues that affect and are affected by policy choices must be identified. Although the identification of these issues is one of the most difficult tasks in a technology assessment, it is also the most important and must take into account the perceptions and interests of all affected parties. Identifying these issues before the actual data gathering and analysis provides the initial boundary conditions for executing the assessment.

The next due date for submission of proposals is June 1, 1979.

National Endowment for the Humanities Schedule of Deadlines

No. FY79-129

Programs	Deadline	For Projects To Start After
General Research	Sept. 1, 1979 March 1, 1979	March 1, 1979 Sept. 1, 1979
Research Materials	Oct. 1, 1979	June 15, 1980
Tools and Editions	Oct. 1, 1980 Oct. 1, 1981	June 15, 1981 June 15, 1982
Translations	July 1, 1979 July 1, 1980 July 1, 1981	Apr. 1, 1980 Apr. 1, 1981 Apr. 1, 1982
Research Collections	Dec. 1, 1979 Sept. 1, 1980	July 1, 1980 Apr. 1, 1981
Research Conferences	Aug. 15, 1979 Feb. 15, 1980	Dec. 1, 1979 June 1, 1980
Publications	May 15, 1979 Nov. 15, 1979 May 15, 1980	Sept. 1, 1979 Mar. 1, 1980 Sept. 1, 1980

National Institute of Environmental Health Services

No. FY79-130

The National Institute of Environmental Health Sciences (NIEHS), whose mission is to develop new knowledge and scientific manpower in the area of the effects of environmental agents on the health of man, will support a limited number of Young Environmental Scientist Research Grant awards in selected areas of environmental health sciences.

The Young Environmental Scientist Health Research Grant Program is intended to:

- encourage young investigators to develop an interest in basic and applied aspects of problems in environmental health sciences;
- provide support for initial research efforts of investigators in areas of environmental health sciences;
- foster the career development of independent young investigators in both fundamental and applied areas related to the mission of the NIEHS.

It is hoped that the Young Environmental Scientist Health Research Grant Program will provide the means for promising young scientists to develop modest investigative programs of their own choosing compatible with the interests of the NIEHS. While this program will be limited in scope and degree of support, it is envisioned that the initial impetus provided by this mechanism will have lasting effects in terms of long-term career interest and development. At the present time, the research areas of program interests include: environmental mutagenesis, carcinogenesis and teratogenesis; environmental epidemiology and statistics; environmental pathology; environmental pharmacology and toxicology; behavioral toxicology; and marine biomedicine and pharmacology.

The emphasis of these areas is on identification of environmental hazards, development of test methods for risk assessment, pollutant pharmacokinetics in both the body and the external environment and molecular and cellular mechanisms of damage.

The next receipt date for applications is July 1, 1979.

National Aeronautics and Space Administration Langley Research Center Information Guide to University Programs

No. FY79-131

Consistent with the provisions of the National Aeronautics and Space Act of 1958, Langley Research Center attempts to make "the most effective utilization of the scientific and engineering resources of the United States." It is expected that, in so doing, universities will strengthen both their research and their educational capabilities to contribute more effectively to the national well-being. As one of the NASA field centers, Langley provides funds for those research and development activities in universities which contribute to the mission needs of the Langley Center.

The purpose of the Langley Information Guide to University Programs is multiple. First, it is intended to familiarize the reader with Langley's ongoing programs, to provide concise guidelines for participation and to show the interrelationships between the various organizational units in the program of basic research. Secondly, it is designed to serve as an up-to-date reference for those who currently participate in the various programs and activities.

This guide is divided into three parts: Part I provides current information on basic policy for NASA university relationships and proceeds through recommended procedures for developing basic research relationships with the Langley Center. Part II deals with Langley research interests and research and technology programs; typical research topics which illustrate the breadth of the program are also included. Part III outlines other resources to universities in the form of training and educational programs available to present and future employees; guidelines for use of services, personnel, facilities and equipment availability; opportunities for faculty and student participation in the various programs; and public affairs services to universities.

Copies of one, all or any combination of parts of this guide are available from the Office of Research and Sponsored Programs.

Department of Transportation Faculty Fellow Program

No. FY79-132

Each year the Department of Transportation (DOT) makes available to college and university faculty a number of opportunities whereby faculty may come to the Department for up to a year to work on specific projects. The faculty's work will contribute to the continuing efforts of the Department while at the same time the faculty member is expected to benefit from his association with DOT professionals with similar interests.

Faculty participate in the Program through the provisions of Title IV of the Intergovernmental Personnel Act (IPA) of 1970 which provides for the temporary assignment of personnel between the Federal government and institutions of higher education. Title IV of the Act is designed to improve the delivery of government services at all levels of government by bringing the specialized knowledge and experience of skilled people to bear on problems of mutual concern. The two primary objectives of the DOT Faculty Fellow Program include the following:

The Department benefits from the particular talents of a faculty member who has demonstrated an ability to conduct research on specific transportation and/or transportation related problems that are of concern to DOT and the transportation community. The faculty member will gain insights into the problems and operations of DOT, increase his/her contacts with transportation personnel and extend the scope of his/her experience in transportation research. Through briefings, final reports and technical publications, the experiences of the faculty fellow will be shared with the academic and professional community.

The Department of Transportation deals with a broad range of problems and complex issues involving modal operations, intermodal activities and overall national transportation. Many urgent as well as long term issues and problems in transportation are in need of detailed analysis and would be well served by the contributions of faculty study.

Specific problem areas have been identified by the directors of the Department's offices and programs and represent areas in which new needs have been identified, projects are to be initiated or work is ongoing. By working on problems in the stated areas, the faculty member will insure that his/her work has a receptive and responsive audience and will have lasting impact. The faculty members will be expected to apply their own unique insights to the problems.

Under this program, the faculty's work will be done at a specified DOT facility and not at the university. While there will be opportunities for interaction with DOT staff, the faculty member will be able to pursue his/her work with a maximum of freedom. For the faculty member, the intrinsic value of working at a DOT site will be the ability to work on a problem through the perspective and with the resources of the host organization. Research is undertaken either within one of the Offices of the Secretary of Transportation or within one of the operating administration's offices at various locations in Washington, D.C., and elsewhere, for example, the USCG Research Center at Groton, Connecticut; the Transportation Test Center in Pueblo, Colorado; the Fairbank Highway Research Station in McLean, Virginia; etc.

National Institute of Education Teaching and Learning Research Grants

No. FY79-133

The National Institute of Education announced a competition for grants to support research in teaching and learning, to be administered by the NIE program on Teaching and Learning. Proposals are invited in the following four selected areas:

- Area A. Literacy
- Area B. Mathematics Learning
- Area C. Teaching
- Area D. Methodology

Approximately \$2.5 million will be available for awards in Fiscal year 1979; however, only projects of the highest technical quality will be supported whether or not the program resources are exhausted. It is estimated that, with the funds available, 45 to 50 grants can be awarded ranging in size from small grants of less than \$10,000 to larger grants with budgets averaging about \$55,000 annually.

Proposals for projects up to three years duration will be accepted; however, initial awards may be made for less than the full project period. In such cases, further support will be contingent upon the availability of funds and satisfactory reports of technical progress from the investigator.

Current Publications And Other Scholarly Works

ARTS AND LETTERS
HUMANISTIC AND SOCIAL STUDIES

Economics

Leahy, William H.

W.H. Leahy. 1979. Union seniority provisions and discrimination. Pages 280-291 in, Annual Proceedings of the Industrial Relations Research Association.

English

Bernstein, Gene M.

G.M. Bernstein. 1979. Self-creating artifices: Coleridgean imagination and language. Modern Philology 76:240-258.

Hasley, Louis

L. Hasley. 1979. Contemporary literary criticism. Pages 526-529 in, D. Bryfonski, ed. Gale Research Company, Detroit, Michigan.

History

DeSantis, Vincent P.

V.P. DeSantis. 1979. Review of Michael Novak's *The Guns of Lattimer*. The Critic 1:4-5.

Modern and Classical Languages

Cervigni, Dino S.

D.S. Cervigni. 1979. *The vita of Benvenuto Cellini. Literary Tradition and Genre.* Longo Editore, Ravenna. 192 pp.

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Chemistry

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S.G. Shore, J.D. Ragaini, R.L. Smith, C.E. Cottrell and T.P. Fehlner. 1979. Preparation and NMR spectra of $B_5H_5Fe(CO)_3$, an analogue of B_6H_{10} . Inorganic Chemistry 18(3):670-673.
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* Under the Radiation Laboratory

Mathematics

- Shieh, Arthur S.
A.S. Shieh. 1979. Fast poisson solvers on general two dimensional regions for the Dirichlet problem. Numerische Mathematik 31:402-429.

Microbiology

- Pleasants, Julian R.
J.R. Pleasants, B.S. Reddy, J.J. Hessling, J.P. Reyniers and B.S. Wostmann. 1979. Effect of germ-free status, lactation and fasting time on plasma amino acids of C3H mice. The Journal of Nutrition 109(1):70-76.
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J.R. Pleasants, B.S. Reddy, J.J. Hessling, J.P. Reyniers and B.S. Wostmann. 1979. Effect of germ-free status, lactation and fasting time on plasma amino acids of C3H mice. The Journal of Nutrition 109(1):70-76.

ENGINEERING

Civil Engineering

- Meinheit, Donald F.
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Monthly Summary

Awards Received

IN THE MONTH OF MARCH, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Metallurgical Eng.	Kargol	Effect of rolled steel production methods on zinc phosphate coating	Amer. Iron Steel Inst.	20,100 12
Radiation Lab.	Schuler	Effect of radiation on matter	Dept. Energy	1,920,000 12
Inst. Urban Studies	Broden	Neighborhood identification handbook project	U.S. Dept. Hous. Urb. Devel.	9,990 6
Chemical Eng.	Varma	Chemical and catalytic reaction engineering	Nalco Fdn.	11,000 12
Mathematics	O'Meara	Quadratic forms and group theory	Natl. Sci. Fdn.	29,500 12
Biology	Fuchs	Reproductive physiology of <u>Aedes</u> mosquitoes	Natl. Inst. Health	105,002 12
Civil Eng.	Irvine, Ketchum, Meinheit	Full scale study of sequencing batch reactors	Environ. Prot. Agency	140,000 24
Microbiology - Lobund Lab.	Pollard	Care of germfree animals for research in molecular biology	Miles Labs., Inc.	38,000 12
Biology	Greene, Gajda	Biological effects of UHV transmission line electric fields	Amer. Elec. Power Serv. Corp.	33,933 12
Mathematics	Knight, Nadel	Model theory	Natl. Sci. Fdn.	30,320 24
Chemistry	Basu	Glycolipid metabolism in tumor and transformed cells	Natl. Inst. Health	68,915 12
Microbiology - Lobund Lab.	Pollard, Neta	Tuberculous hypersensitivity/cell-mediated resistance in pulmonary infections	Amer. Lung Assocn.	29,800 24
AWARD FOR FACILITIES AND EQUIPMENT				
Radiation Lab.	Schuler	Effects of radiation on matter	Dept. Energy	145,000 12
AWARDS FOR SERVICE PROGRAMS				
Cent. Hum. Devel.	Dwyer	Needs assessment program	---	44,329 --
Cent. Past. Soc. Min.	Gallen	Notre Dame Center for Pastoral Liturgy	---	840 --
Cent. Past. Soc. Min.	Gallen	Notre Dame Center for Pastoral Liturgy	---	2,518 --
Cent. Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	---	8,809 --

Proposals Submitted

IN THE MONTH OF MARCH, 1979

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Chemistry	Pasto	Reactions involving bonding between originally orthogonal orbitals	Natl. Sci. Fdn.	34,513 12
Chemistry	Fehlner	Metal-metal interactions in clusters by photoelectron spectroscopy	Natl. Sci. Fdn.	181,789 36
Biology	Goetz	Endocrine control of oocyte final maturation in yellow perch and brook trout	Natl. Sci. Fdn.	58,676 24
Microbiology - Lobund Lab.	Wostmann, Madsen	Effect of antibiotics on sterol metabolism in gerbils	Ind. Heart Assocn.	12,605 12
Chemistry	Thomas	Solubilization in reversed micelle systems	Amer. Chem. Soc.	43,997 24
Inst. Internatl. Studies	Francis, Jameson	Integration of the basic needs approach into foreign assistance programs	Ford Fdn.	115,032 19
Chemistry	Castellino	Phospholipid requirements in blood coagulation	Ind. Heart Assocn.	5,946 12
Microbiology - Lobund Lab.	Pollard	Investigation on prostate adenocarcinomas in rats	Natl. Inst. Health	74,558 12
Economics, Finance	Rakowski, Ghoshal	Effect of import restrictions on retail prices	Ford Fdn.	62,115 11
Aerospace Mech. Eng.	Batill, Nelson, Mueller	Development of design criteria for a high speed flow visualization facility	U.S. Air Force	73,478 15
Administration	Gordon	Faculty research fund	Perot Fdn.	500,000 --
Electrical Eng.	Gajda, Kwor	Electro-optic coupling in advanced composite joints	U.S. Air Force	40,000 6
Microbiology - Lobund Lab.	Burleson, Kulpa	Antitumor properties of interferons I and II	Amer. Canc. Soc., Inc.	69,915 24
Microbiology - Lobund Lab.	Pollard	Phenomenon of metastasis in tumor model systems	Amer. Canc. Soc., Inc.	136,228 24
Microbiology - Lobund Lab.	Asano	Experimental carcinogenesis by dietary nitrite	Amer. Canc. Soc., Inc.	100,544 24
Psychology	Borkowski, Ryan	Metacognition and intelligence: educational implications	Natl. Inst. Educ.	203,939 36
Aerospace Mech. Eng.	Lloyd, Yang	UNSAFE field calculation support for FAA-DACFIR MATH MODEL predictive technique	U.S. Dept. Trans.	21,053 5.5
Economics	Jameson	Sugar and corn, sweets and energy: International policy in the 1980's	Rockefeller Fdn.	40,876 18
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Chemistry	Miller	Multinuclear broadband fourier transform NMR system	Natl. Inst. Health	124,201 12
Metallurgical Eng.	Kosel	X-ray diffraction research equipment	Natl. Sci. Fdn.	55,000 12
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Law School	Kellenberg	Notre Dame Legal Aid and Defender Association	(private fdn.)	100,000 12
Art Gallery	Porter	General operating support for the Snite Museum of Art	Inst. Museum Serv., DHEW	25,000 12

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF MARCH, 1979

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$ 2,236,670	4	\$ 199,890	12	\$ 2,436,560
Facilities and Equipment	1	145,000	-	- - -	1	145,000
Educational Programs	-	- - -	-	- - -	-	- - -
Service Programs	-	- - -	4	56,496	4	56,496
Total	9	\$ 2,381,670	8	\$ 256,386	17	\$ 2,638,056

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	\$ 109,071	16	\$ 1,666,193	18	\$ 1,775,264
Facilities and Equipment	-	- - -	2	179,201	2	179,201
Educational Programs	-	- - -	2	125,000	2	125,000
Service Programs	-	- - -	-	- - -	-	- - -
Total	2	\$ 109,071	20	\$ 1,970,394	22	\$ 2,079,465

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		
International Research and Exchanges Board	Special Grants for Collaborative Activities and New Exchanges	May	31,	1979
National Endowment for the Humanities	Research Programs (Publications)	May	15,	1979
Office of Education	Fund for the Improvement of Postsecondary Education (special areas)	May	21,	1979
Office of Education	Veterans Cost-of-Instruction Payments	May	15,	1979

documentation

Minutes of the 188th Meeting of the Graduate Council February 21, 1979

Approved by the 189th Graduate Council meeting, March 28, 1979. The chairman called the meeting to order at 3:30 p.m. All members were present except Dean Isabel Charles, replaced by Donald Sniegowski; Robert C. Miller, replaced by George E. Sereiko; John W. Lucey, replaced by Murty Kanury; Dean Joseph C. Hogan; Dean Leo V. Ryan, C.S.V.; Charles W. Allen (excused).

I. MINUTES OF THE 187th MEETING

The minutes of the 187th meeting were approved as circulated except for an amendment in the first sentence of Item IV, which now reads: "The chairman announced the range of possible rates for stipends and tuition for 1979-80."

II. DOCTORAL EXAMINATION PROCEDURES

The chairman introduced the "Summary of Departmental Views" prepared by the Graduate School from the responses of departments to questions related to doctoral examination procedures. Of 20 graduate departments invited to participate in this survey, the following 15 have responded: Aerospace and Mechanical Engineering, Chemical Engineering, Chemistry, Civil Engineering, Economics, Engineering Science, Government, History, Mathematics, Metallurgical Engineering and Materials Science, Microbiology, Philosophy, Psychology, Sociology and Anthropology and Theology. Following are the main points of the discussion:

1. Voting Procedure for the Oral Candidacy and Oral Defense: While there seemed to be some support among the departmental responses for a change in the present voting procedure which now requires three passes out of five votes for a successful candidate, several council members preferred that the University-wide rule remain unchanged, but with the provision that individual departments have the option of raising the required number of passes to four. In this case, such a requirement must be well-publicized among students in the departments concerned.
2. Voting Procedure for the Written Candidacy: The council confirmed that the doctoral candidacy is one examination with two parts: the written part and the oral part. While it is the responsibility of the Graduate School to establish the voting procedure for, and to administer, the oral part of this examination, the council was of the opinion that the written part should be handled entirely by departments.
3. Absence of an Examiner: In case an examiner is absent and cannot be replaced, the council agreed that the Graduate School, in consultation with the respective department, should be free to make suitable arrangements to hold the examination, unless the candidate himself requests postponement of the examination.
4. Assessment of the Candidate's Performance: The following questions have been raised by examiners in the past: Should the examiner assess the candidate's overall performance at the examination (option A), or should he limit the assessment to the candidate's answers to the examiner's own questions only (option B)? Besides the candidate's performance at the examination, should the examiner take into account the quality of his work in the department prior to the examination (option C)? The council took note of the strong opposition to options B and C, expressed by some departments in response to the survey, but concluded that the Graduate School need not legislate in such matters.

5. Quality of Doctoral Examinations: There was general concern among council members and departments that the quality of doctoral examinations should be maintained. The majority of the departments responding to the survey recommended that a "Pass" be at least the equivalent of a "B". Some departments, however, observed that it is not necessary to "define matters so closely."

6. Oral Defense of the Dissertation: The majority of departmental responses recommended that the oral defense of the dissertation be open to students and faculty. While acknowledging the benefits of an open dissertation defense, some council members thought it would not be advisable to make this form of examination mandatory. Instead, the Graduate School could encourage the departments to make more frequent use of this option.

III. CREDIT AND WORKLOAD FOR GRADUATE ASSISTANTS

At an earlier council meeting in December, Robert Kerby had presented a recommendation of the History Department to the effect that the 9-credit registration limit imposed on graduate assistants be rescinded and that a 20-hour per week workload limit be stipulated. Gordon reopened this topic for discussion at the present meeting. He introduced the chart entitled "Survey of Graduate Credit Load" and briefly explained the use of the chart. David Leege remarked that although two institutions may allow the same maximum credit or course load, the load at an institution following the same maximum system may be different from that at an institution adopting the semester system. The council was divided on the merit of keeping or rescinding the 9-credit limit for graduate assistants. Various arguments were presented during the discussion:

--A number of distinguished institutions have set the maximum load for graduate assistants at 9 credit hours, while another group of equally distinguished institutions have allowed a heavier load. We should set our maximum according to our particular situation.

--A registration maximum is imposed on graduate assistants, but not on graduate students working off campus. On the other hand, the Graduate School should attempt to exercise control where it can.

--A graduate student cannot be said to be meaningfully involved in his program if he is allowed to carry four courses, in addition to 20 hours of work as a graduate assistant. It takes 2 to 4 hours of preparation for each class hour.

--A total of 60 to 70 hours a week of work and study is not an excessive load for a graduate student.

--Some graduate students can take four courses in addition to 20 hours a week of work. In such cases, the department can request a waiver.

--Departments should be given the option of allowing certain of their graduate assistants to carry a 12-credit load, without the necessity of requesting a waiver each time.

--Some departments may not be willing to make hard decisions. The result of such an option would be equivalent to allowing every graduate assistant in the University to carry the full load of 12 credit hours.

--Teaching assistants are given credit for teaching practica. No equivalent credit is recognized for research.

--This inequity between teaching assistants and research assistants should be addressed.

The chairman brought the discussion to a close in light of the late hour, and promised that the topic would be resumed at a later meeting.

IV. CHAIRMAN'S REMARKS

Gordon announced that the basic graduate assistantship stipend had been set at \$3,300 for 1979-80. Science and Engineering departments and two departments in the Social Sciences (Economics and Psychology) were invited to submit nominations for the Schmitt Fellowships. Two new University Ethnic Minority Fellowships would be open for nominations from all graduate departments. Thirty-two proposals for support from the Faculty Research Fund were received. Several travel grants to graduate students were made from the Graduate Student Union Travel Grant Fund. The nominating committee for the coming Graduate Council election invited nominations from all council members as well as from the rest of the graduate faculty. To meet the deadline for college spring ballots, the Office of Advanced Studies would seek the council's approval of the nominations by mail, instead of waiting for the next meeting.

The meeting adjourned at 5:15 p.m.

Chau T.M. Le, Secretary

Review of the Graduate Program in Music

The External Review Committee, consisting of Robert E. Bays, director of the School of Music of the University of Illinois at Champaign-Urbana, Robert Freeman, director of the Eastman School of Music, University of Rochester, and Erwin H. Schneider, head of the Division of Music Education at the School of Music of the University of Iowa, visited the Notre Dame campus during the period Nov. 1-3, 1978. Together with members of the Internal Review Committee, Edward A. Kline (English), chairman representing the Graduate Council, Sheilah Brennan (Philosophy), representing the Humanities Division, and Eugene Leahy, Music Department liaison, the External Review Committee members met with the faculty and graduate students of the Department of Music. The External Evaluation Committee also met with various members of the Notre Dame administration: the dean of the College of Arts and Letters, the assistant vice president and the vice president for Advanced Studies and the provost of the University. They also attended two recitals by several graduate students and visited some graduate-level courses. The reports of the external reviewers were received in November and December, 1978 and the Department of Music Response was received in February, 1979.

The individual reports of the external reviewers, although differing in details and format, are in close agreement on most points discussed therein. The Departmental Response contains some points of agreement and disagreement with the evaluators' observations and offers refinements of others.

In the following sections the various observations of the external evaluators will be summarized under the headings: GENERAL, MASTER'S DEGREE PROGRAMS, FACULTY, STUDENTS, LIBRARY, PHYSICAL PLANT AND EQUIPMENT, and RELATIONS WITH UNIVERSITY ADMINISTRATION. Using the same headings, when applicable, the response of the Department of Music will be summarized followed by some commentary from the Internal Review Committee chairman and the division representative.

THE REPORT OF THE EXTERNAL REVIEW COMMITTEE

I. GENERAL

All three external evaluators praise the Music Department for its progress during the past four to five years. Stating that the department has had little or no fame in the past (Schneider), has had little impact in the field of music (Bays), and has much to do to be numbered among the top two dozen or so music departments in the country (Freeman), all are impressed, to varying degrees, with recent advances made in the goals and objectives of the department, the faculty, the students and the physical plant and equipment, especially the newly renovated Crowley Hall of Music and the Holtkamp organ in Sacred Heart Church. Bays compliments the good moves made to redefine the degree programs, Schneider sees the department at the threshold of a new era, and Freeman reports that much progress has been made in a short time. Without exception the evaluators call for a stressing and enhancement of the Music-Liturgy concentration. Bays and Schneider call for the discontinuation of the music education program while Freeman calls into question all programs except Music-Liturgy and Performance-Literature. Each evaluator praises the faculty and departmental administration and agrees on the need for increased budgetary allocations to the department for library acquisitions and student stipends as well as the pressing need for the consolidation of the music materials housed in the Memorial Library.

II. THE MASTER'S DEGREE PROGRAMS

A. The Concentrations:

1. The Music-Liturgy Concentration. All three evaluators call for a concerted effort to increase the status of and enrollments in the Music-Liturgy concentration for a variety of reasons: little competition exists in the field, the poor quality of Roman Catholic Church music and the responsibility of the University to ameliorate the condition, the possibility of the department becoming a national center of such study, and current availability of qualified faculty and physical resources.

2. The Music-Education Concentration. Bays and Schneider suggest that the music education concentration be eliminated since no students are currently enrolled therein, strong programs exist at other institutions nearby, and the lack of an undergraduate major base to act as a feed-in for the program. Freeman views this concentration as well as the composition-theory, liturgical music, and music history concentrations as either "non-existent or marginal, competing (without special efficacy) with much stronger programs at many other universities which also offer doctoral degrees."

3. The Other Concentrations. Excluding Freeman, the other evaluators call for a continuation of the other concentrations except music-education. All three evaluators endorse the continuation of the performance-literature concentration.

B. Relationship to Undergraduate Studies

Each evaluator suggests an increase in either the number of undergraduate music majors or an increase in undergraduate service courses, especially for the advantage that such increases will provide for ensemble membership and training for graduate students.

C. Overview

Bays views the curricula as solid and well-planned. Schneider sees carefully formulated degree goals and objectives that are both realistic and flexible. Freeman praises the use of Chicago musicians for private music lessons for graduate students but is not optimistic about the success of a broadly-based music program. Finally, Bays finds the two-credit hour courses a burden to both faculty and students.

III. FACULTY

Freeman described the faculty as lively, of good morale, representative of a good variety of backgrounds in training and one in which performance outshines publication. Both Bays and Schneider deem the faculty qualified. The former finds that some faculty members have heavy workloads which inhibit both research opportunities and professional growth. He suggests, furthermore, that additions be made to the performance-literature faculty, suggesting the employment of artist-teachers with strong qualifications and wide visibility. Schneider views the current roster of faculty as adequate in number with a workload that is average, but does single out the need for an additional organ instructor for the summer session. Agreeing that faculty morale is high, he suggests that the faculty be encouraged in scholarly production, off-campus performances, and attendance at national professional meetings for which either the budget for travel funds should be increased or outside sources of funding sought, citing the importance of faculty visibility in the recruitment of graduate students. The chairman of the department was praised for his aggressive and imaginative leadership which has instilled a sense of excitement within the department. Schneider suggests increases in faculty social functions as well as meetings with the chairman. The departmental graduate administration was judged adequate and effective.

IV. STUDENTS

All external evaluators find the students in both class and recital performances to be qualified, intelligent, and capable. Each mentions the small number of students enrolled in the programs and two evaluators suggest doubling the present number through aggressive recruitment. Each also suggests increased stipendiary funding. The admissions standards are found to be satisfactory, appropriate, and effective. Freeman suggests a turn from personal and *ad hoc* recruitment to more formal procedures, suggesting a symposium model based on one used at Princeton some years ago. Schneider suggests summer workshops and lectures as well as performances by faculty as influential in drawing students to the department. He also suggests seeking additional monies for students through their possible performances with the South Bend Symphony Orchestra and as part-time teachers in the local schools.

V. LIBRARY

The evaluators find the library holdings in music to be generally adequate with some weaknesses noted in standard periodicals and musical scores, especially from the Romantic and Modern periods. All agree that the five scattered areas of music materials in the Memorial Library should be consolidated at one location; one evaluator comments that the distinction between the research and the undergraduate holdings should be eliminated. Freeman suggests the appointment of a full-time music librarian and all three evaluators call for an increase in spending for library acquisitions in music. Finally, it was suggested that the music listening facilities in the library be kept operable through constant maintenance checks.

VI. PHYSICAL PLANT AND EQUIPMENT

The evaluators praise the facilities housed in the recently renovated Crowley Hall of Music. All three also find the new Holtkamp organ in the Sacred Heart Church an impressive asset. Schneider and Freeman suggest that a need exists for additional organ practice facilities. Each agrees that the department is in need of an appropriate performance hall, especially for ensembles. Suggestions were made ranging from the building of a new facility as part of the Snite Museum of Art to the installation of an

acoustical shell in the Memorial Library Auditorium. Citing the inadequate rehearsal space available for the band and orchestra, two evaluators recommend that the Music Department be consulted before any renovation of Washington Hall takes place.

VII. RELATIONS WITH UNIVERSITY ADMINISTRATION

Schneider comments on what he perceives to be good administrative support for the department and an effective relationship between the department and the Office of Advanced Studies. He is joined by Bays in suggesting the need for increased budgetary allocations, especially for student aid and library acquisitions.

THE RESPONSE OF THE DEPARTMENT OF MUSIC

I. GENERAL

The response of the Department of Music bears the signature of the chairman of the Department, Professor William Cerny, and lists the membership of the departmental Graduate Committee: Reverend Patrick Maloney, C.S.C., Professors David Isele, Ethan Haimo and Eugene Leahy.

II. THE MASTER'S DEGREE PROGRAMS

A. The Concentrations

1. The Music-Liturgy Concentration. The department acknowledges the unique opportunities available in the Music-Liturgy concentration and agrees that the program is suited to the image of the University and the strength of current resources; however, the department does not see the concentration, now or in the future, as the sole concentration in the program. The response states that the instrumental and vocal talent necessary for enrollment in the concentration is best attracted through the Performance-Literature concentration. Stating that the Music-Liturgy concentration requires a continual review and re-evaluation, the response indicates that the department has arranged with a faculty member from Liturgy for ongoing discussion of the curriculum.

2. The Music-Education Concentration. The department does not agree that this concentration should be eliminated, principally because tenured faculty members have music education as their specialties and the need for two graduate band assistants per year who normally choose music-education as their speciality.

3. The Other Concentrations. The response states that the other concentrations, even though enrollments are small, should be maintained: the concentrations do not produce terminal degrees, they allow a "diversity of graduate viewpoint" as well as individualized instruction, they do not constitute a major expense in departmental operations, and they add important dimensions to the overall recruitment of students.

B. Relationship to Undergraduate Studies

Stating that the expansion of undergraduate offerings is not the proper domain of the Graduate Committee, the response does cite impressive statistics concerning the service function of the department on the undergraduate level, a service which reaches one out of six students. New service courses are introduced frequently; enrollments remain stable.

C. Two-Credit Hour Courses

The department finds the two-credit hour course a viable practice which permits diversity in a student's course of study.

III. FACULTY

The department considers its faculty active in composition, performance, and scholarship as well as in teaching. The addition of another organ instructor in the department is dependent, according to the response, on future enrollments.

IV. STUDENTS

The department would welcome increased funding for student aid but realizes scarcity of such funds at the present time. Massive increases in student enrollment are not projected due to current faculty, budgetary, and equipment restraints. The department believes the evaluators were perhaps influenced by the "exceptionally large enrollments" in their own graduate programs. With the recent accreditation of the department by the National Association of Schools of Music, the department plans to recruit students through appropriate journals, selective mailings, personal contacts, and growth in the reputation of the graduate program. It is anticipated that the department's projected enrollment

figures can be reached within the next four to eight years. Finally, the response states that the suggested symposium on church music as a recruitment device is not feasible until at least 1984: sufficient time must be allotted for the proper planning and implementation of such an event. To become a national leader in church music carries with it "severe responsibilities." The department believes much work and discussion must first take place within the University itself.

V. LIBRARY

The response indicates that the departmental library committee is active in suggesting appropriate library purchases and a systematic review of lacunae in current holdings is being addressed. The department agrees with the evaluators that its four-year-old suggestion to consolidate the music materials in the Memorial Library to one site be implemented, that a staff music librarian, funded from library resources, be appointed, and that substantial increases are required in the music acquisition fund.

VI. PHYSICAL PLANT AND EQUIPMENT

Endorsing a renovation of Washington Hall with special praise for its acoustical properties, the department stresses the need for communication with the Department of Speech and Drama on the matter.

CONCLUSION

The undersigned offer the following commentary on points not addressed by the external evaluators in their reports:

I. RELATION TO UNDERGRADUATE STUDIES

We recommend that the department more actively publicize its undergraduate music major program and that the constraints of the Freshman Year of Studies curriculum, which indeed actually discourage performing musicians from majoring in music at Notre Dame, be examined toward the end of providing some flexibility in the course schedules of prospective music majors who are freshmen.

II. FACULTY

Sensing that the nontenured faculty are uncertain of the role that tenure quotas exercise in a small department such as Music as well as what is expected within a Music Department for tenure and promotion, the undersigned recommend that the Music Department Committee on Appointments and Promotions provide appropriate information on such matters to all new music faculty members as soon as they are employed by the department and that an annual conference between the chairman of the department and each nontenured faculty member be held which addresses the faculty member's performance in all areas considered relevant for achieving tenure and promotion.

III. STUDENTS

We recommend that at least one and possibly two graduate students be granted membership on the departmental Graduate Studies Committee with the method of determining such membership decided by the graduate students collectively.

IV. MUSIC DEPARTMENT REVIEWS

Should the cycle of graduate reviews continue in the future, we recommend that provisions be made in the scheduling of the Music Department review to allow time to permit the evaluators to hear live performances by each ensemble which involves graduate student participation, even if such scheduling increases the time the evaluators must spend on campus.

V. GRADUATE REVIEWS IN GENERAL

A. Scheduling

We wish to report that the Music Department external evaluators felt a need to have some time to confer among themselves during the day, an opportunity not viable with the tightly scheduled visits and meals at which one or more of the internal committee members or department faculty members were always present with the external evaluators.

B. Meetings with Faculty

We suggest that provisions be made in all future review schedules to permit nontenured faculty to meet privately as a group with the external evaluators.

C. Abstracts

In the review of those master's degree programs which require a thesis and in all doctoral programs, we recommend that the external evaluators be presented copies of the abstracts for theses and dissertations prior to the evaluators' arrival on campus.

Sheilah Brennan
Humanities Division Representative
Department of Philosophy

Edward A. Kline
Chairman
Department of English

Faculty Committee for University Libraries Minutes February 26, 1979

Present: Harvey A. Bender, Michael J. Crowe (chairman), Vincent P. DeSantis, John W. Lucey, John R. Malone, Robert C. Miller and Thomas J. Schlereth.

The meeting was called to order at 3 p.m. The minutes of the Jan. 29, 1979 meeting were unanimously approved for publication.

The low rankings of the Notre Dame Library among the 94 members of the Association of Research Libraries as reported in the Chronicle of Higher Education, Wall Street Journal and in summary in the South Bend Tribune led to a concerned discussion among the members of the committee. Miller stated that he has some fears that the overall ranking may lead to Notre Dame being dropped from membership. DeSantis made the personal observation that he wondered what the University Administration would do if the football or basketball team had such a low national ranking as the library does. It was moved, seconded and unanimously approved that this listing, or at least Notre Dame's ranking, be appended to and made a part of the minutes of this meeting.

Miller reported on the following items of business: (1) The Faculty Survey is in the mail. Twelve of the 16 pretest questionnaires were returned, and slight layout and wording changes were made as per suggestions. (2) It has been noted that some of the carrels in the tower have posted office hours on the doors. Published rules on study carrel usage state that they are for study and research, not office space. The committee reaffirmed its position of intended use of the carrels and stated that provision of office space for faculty is the obligation of the academic departments not the library. Miller will send a letter to the departmental chairmen who assign study carrels asking for their cooperation. (3) There is nothing to report on the Libraries' budget other than the fact that approval has been granted for a proposed structure change. This structural change will bring under one account number all University Libraries rather than specifying separate accounts for the Memorial Library, Medieval Institute Library, and the branch libraries, with acquisition funds restructured into books, serials, parts/sets, etc. No dollar amount has as yet been received from the University Administration. (4) James Neal (head of the College Library) has been asked to study the current state of bibliographic access and control in the Notre Dame Libraries, and the impact of both the new Anglo-American Cataloging Rules (AACRII) and the closing of the Library of Congress card catalog. Committee members have received the announcement of the meetings for information and discussion of AACRII from Neal. Miller emphasized that nothing need be done until January 1981 but plans must be made. He is presently looking at several documents in preparation of making a summary report for the committee. It was recommended that a synopsis be presented to the Faculty Senate but Miller suggested waiting for recommendations to be issued. (5) It is as yet uncertain if the Advisory Council will schedule a spring meeting; they are presently awaiting a response from the President to their report of the fall meeting. (6) Letters of appeal are being prepared to send to faculty members who are delinquent in library borrowing. There are 12 delinquent faculty members, 74 books which are unaccounted for, and a dollar amount of \$1,735 involved.

Approval Plan

Contact has been made with three vendors. An approval plan could reduce the great amount of time faculty and staff are spending in the ordering of current publications. It can also prevent static starts and stops that cause chaos in the collections when budgets are expended. However, the faculty (both library and teaching-and-research) must make a commitment to review the books received. The vendors can probably write the profile after talking with librarians and faculty. After internal library agreement has been reached, broader faculty input will be sought, prior to implementation and profiling. The committee expressed their enthusiasm for the implementation of an approval plan.

The next meeting is scheduled for Monday, March 27, at 3 p.m. The meeting adjourned at 4:45 p.m.

Ranking of Research Libraries at Universities, 1977-78

Institution	Volumes in Library		Volumes Added		Current Serials		Spending for Materials	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank
U. of Alabama	1,170,365	84	40,486	86	12,562	85	\$ 905,914	83
U. of Alberta	1,891,064	36	88,358	35	15,175	70	2,166,605	18
U. of Arizona	2,088,328	29	136,620	12	16,766	59	1,964,024	24
Arizona State U.	1,330,515	69	83,792	36	15,020	71	1,439,587	44
Boston U.	1,265,366	77	47,043	81	21,692	40	1,034,293	75
Brigham Young U.	1,471,814	61	66,291	56	17,367	57	n/a	--
U. of British Columbia	1,941,783	34	100,301	24	19,739	46	2,473,368	10
Brown U.	1,595,341	54	39,467	87	13,606	81	837,880	85
U. of Cal., Berkeley	5,035,753	5	142,783	11	97,978	1	2,471,036	11
U. of Cal., Davis	1,454,495	62	76,585	43	40,499	16	1,885,000	28
U. of Cal., Los Angeles	3,993,223	13	129,673	13	57,881	7	2,765,897	9
U. of Cal., San Diego	1,284,058	72	64,191	60	25,278	30	1,486,390	40
U. of Cal., Santa Barbara	1,275,311	75	50,091	75	18,096	55	1,436,989	46
Case Western Reserve U.	1,613,427	52	27,210	92	13,955	79	836,006	86
U. of Chicago	4,019,470	12	144,349	10	43,563	13	1,357,048	52
U. of Cincinnati	1,276,837	74	58,953	65	16,021	67	1,058,146	73
U. of Colorado	1,761,631	42	49,667	76	11,255	89	901,698	84
Colorado State U.	1,130,959	87	57,257	68	16,420	64	766,879	90
Columbia U.	4,832,691	6	126,679	14	58,897	6	2,064,341	21
U. of Connecticut	1,642,162	51	91,798	32	19,165	47	1,386,770	49
Cornell U.	4,095,234	11	122,417	20	50,980	9	2,337,368	14
Dartmouth C.	1,265,198	78	26,597	94	15,944	68	1,030,284	77
Duke U.	2,944,733	19	78,227	41	33,979	19	1,614,610	34
Emory U.	1,531,620	58	64,460	58	14,128	78	1,264,242	58
U. of Florida	1,943,750	33	93,653	29	16,238	66	3,337,220	2
Florida State U.	1,266,258	76	60,037	64	12,708	83	2,936,589	6
Georgetown U.	1,127,614	88	47,392	80	16,544	63	1,072,695	72
U. of Georgia	1,811,235	40	92,057	31	31,053	20	1,941,040	25
Harvard U.	9,753,214	1	255,085	1	95,000	2	3,569,946	1
U. of Hawaii	1,602,532	53	69,871	50	30,217	23	1,273,847	57
U. of Houston	1,501,343	59	97,373	26	17,002	58	1,799,217	29
Howard U.	1,012,493	91	64,175	61	8,030	94	1,227,676	61
U. of Illinois	5,622,938	3	151,585	8	91,913	3	2,217,557	15
Indiana U.	4,604,395	7	220,780	3	42,389	14	2,947,864	5
U. of Iowa	2,136,899	28	89,905	34	26,315	29	2,057,256	22
Iowa State U.	1,248,822	80	69,588	51	18,405	52	1,400,931	47
Johns Hopkins U.	2,218,303	27	62,900	62	14,913	72	1,234,078	60
Joint U.*	1,405,293	63	45,848	82	15,318	69	1,115,088	68
U. of Kansas	1,995,890	32	74,670	45	27,485	26	1,534,741	36
Kent State U.	1,245,350	81	57,489	67	19,127	48	543,812	93
U. of Kentucky	1,706,653	48	90,200	33	25,037	31	1,468,371	42
Louisiana State U.	1,708,334	47	52,755	74	16,583	62	1,079,054	70
McGill U.	1,863,078	38	78,230	40	16,627	61	1,559,163	35
McMaster U.	900,199	92	57,856	66	10,324	90	1,513,353	39
U. of Maryland	1,283,127	73	62,539	63	16,645	60	1,475,666	41
U. of Massachusetts	1,587,653	56	70,991	48	14,412	75	811,554	87
Mass. Inst. of Technolgy	1,709,747	45	64,914	57	18,512	51	922,866	82
U. of Miami (Fla.)	1,254,381	79	45,555	84	11,900	87	966,887	81
U. of Michigan	5,049,501	4	125,901	15	51,268	8	2,212,803	16
Michigan State U.	2,427,885	23	94,469	28	24,079	34	1,531,524	37
U. of Minnesota	3,623,461	14	123,456	17	38,542	17	1,928,757	26
U. of Missouri	1,929,232	35	55,438	69	19,990	45	1,319,475	54
U. of Nebraska	1,384,427	65	68,624	52	21,721	39	1,437,758	45
New York U.	2,597,168	22	112,067	21	19,028	49	1,518,974	38
U. of North Carolina	2,373,599	24	104,093	23	30,923	21	2,089,588	19
Northwestern U.	2,655,440	21	70,062	49	28,350	25	1,368,909	51
U. of Notre Dame	1,346,600	68	37,189	90	11,728	88	767,386	89
Ohio State U.	3,371,519	16	125,630	16	30,080	24	1,654,939	31
U. of Oklahoma	1,686,957	49	38,885	78	14,340	76	1,033,273	76
Oklahoma State U.	1,210,406	83	30,781	91	9,870	91	614,023	92
U. of Oregon	1,377,205	66	38,037	88	21,246	42	1,011,350	79
U. of Pennsylvania	2,821,564	20	74,791	44	26,591	28	1,298,623	55
Pennsylvania State U.	2,027,412	31	83,509	37	22,733	36	1,907,019	27
U. of Pittsburgh	2,283,082	25	122,988	18	21,800	37	1,446,846	43
Princeton U.	3,091,903	18	185,128	5	30,711	22	1,978,637	23

Institution	Volumes in Library		Volumes Added		Current Serials		Spending for Materials	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank
Purdue U.	1,357,775	67	48,503	79	17,962	56	1,152,414	65
Queen's U.	1,288,048	71	45,711	83	14,168	77	1,020,300	78
Rice U.	881,585	93	26,665	93	8,318	93	732,998	91
U. of Rochester	1,565,000	57	54,000	71	12,000	86	1,100,000	69
Rutgers U.	2,082,970	30	110,176	22	23,252	35	2,410,860	13
U. of South Carolina	1,653,305	50	95,555	27	16,303	65	1,385,334	50
U. of Southern California	1,866,161	37	79,862	38	24,854	33	1,624,934	32
Southern Illinois U.	1,589,293	55	54,479	70	21,769	38	1,399,161	48
Stanford U.	4,487,703	8	145,460	9	49,266	11	3,144,636	4
State U. of NY, Albany	878,569	94	49,717	76	14,897	73	971,000	80
State U. of NY, Buffalo	1,810,698	41	76,953	54	18,765	50	1,256,187	59
State U. of NY, Stony Brook	1,123,230	89	53,848	72	12,664	84	1,150,855	66
Syracuse U.	1,752,453	44	79,339	39	21,201	42	1,042,611	74
Temple U.	1,501,025	60	67,983	53	13,850	80	1,198,436	63
U. of Tennessee	1,390,541	64	64,233	59	24,965	32	1,320,669	53
U. of Texas	4,224,101	9	227,532	2	60,000	5	3,239,868	3
Texas A&M U.	1,168,584	85	72,458	47	35,243	18	1,285,239	56
U. of Toronto	4,165,711	10	208,702	4	41,154	15	2,863,255	7
Tulane U.	1,308,725	70	37,278	89	9,453	92	784,559	88
U. of Utah	1,811,271	39	99,090	25	18,207	53	1,075,511	71
U. of Virginia	2,231,611	26	93,244	30	20,711	44	2,417,737	12
Va. Poly. Inst. & State U.	1,070,549	90	76,812	42	21,393	41	1,727,687	30
U. of Washington	3,393,836	15	166,866	7	46,984	12	2,064,988	20
Washington State U.	1,143,288	86	40,725	85	27,082	27	1,137,433	67
Washington U., St. Louis	1,708,958	46	53,474	73	14,492	74	1,185,231	64
Wayne State U.	1,755,561	43	67,266	55	13,322	82	1,201,261	62
U. of Western Ontario	1,227,607	82	74,433	46	18,126	54	1,623,398	33
U. of Wisconsin	3,351,900	17	122,815	19	50,184	10	2,202,407	17
Yale U.	7,072,345	2	182,703	6	60,675	4	2,821,033	8

n/a--data not available

*Vanderbilt U., Scarritt C., and Peabody C.

SOURCE: Association of Research Libraries

Faculty Committee for University Libraries Minutes

March 26, 1979

Present: Harvey A. Bender, Michael J. Crowe (chairperson), Vincent P. DeSantis, John W. Lucey, John R. Malone, Robert C. Miller and Thomas J. Schlereth. James G. Neal was a guest.

The meeting was called to order at 3 p.m. The minutes of the Feb. 26, 1979 meeting were unanimously approved for publication.

Neal was invited to present a brief description of his study. He reported on his study of the impact at Notre Dame of the Library of Congress decisions to adopt the new second edition of the Anglo-American Cataloging Rules and to close and automate the LC card catalogs. He briefly discussed the current state of bibliographic control at Notre Dame, the conditions which produced these changes at the Library of Congress, the problems of maintaining and using card catalogs, and the various options available to academic libraries. In conjunction with his research, Neal is conducting an informational program for the library staff and other interested members of the academic community. He noted that these developments present a serious challenge to all libraries and will inevitably entail increased funding, but afford an opportunity to evaluate carefully and to improve the efficiency and effectiveness of the service they provide.

Other Business

Miller asked that a representative from the committee attend with him the annual meeting of the Center for Research Libraries to be held in Chicago on April 26; Crowe has agreed to attend.

Miller told committee members of the complaint from a departmental chairperson to Robert E. Gordon's office about the enforcement of the rules for study carrels. The chairperson stated that there is no other office space available for faculty. The committee agreed to await any response from Gordon.

Miller reported that of the 12 letters to delinquent faculty borrowers, three responses have been received.

There have been approximately 300 responses (out of 790) to the Faculty Survey. The members of the committee suggested moving the final response date to April 13 and requested Miller to send a letter to deans and department chairpersons which asks them to inform their faculty and urge a response from those who have not already returned the questionnaire.

Crowe submitted a written proposal aimed at securing a position on the committee for someone from the social science area. This proposal is to be discussed at the next meeting.

Budget

The committee unanimously commended Crowe for his letter of March 13 to Father Hesburgh and other University administrators concerning the pressing need for the allocation of further funds for the University Libraries. His letter was based on Notre Dame's deteriorating ranking among the members of the Association of Research Libraries.

Miller reported that the Salaries & Wages portion of the budget was short in funds to cover ongoing student assistant needs. Filling of faculty and staff vacancies will be deferred until enough lapsed money has been accumulated to cover this shortage.

Committee members were appalled by the reduced departmental allocations in book funds. Several suggestions were made on how to increase the available acquisitions monies, including the suggestion that selling some of the holdings of the Rare Book Room be considered. Another question was posed: are bulk purchases really appropriate? Further discussion of the Libraries' budget will take place at the next meeting.

The next meeting is scheduled for Monday, April 2 at 3 p.m. The meeting adjourned at 5:15 p.m.

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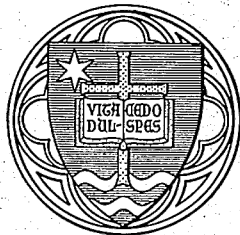
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