

notre dame report

contents

the university

- 247 New Advisory Council Member
- 247 Arts and Letters Faculty Development Program
- 247 Armstrong Award
- 247 Sorin Award

faculty notes

- 248 Appointments
- 248 Honors
- 248 Activities
- 249 Deaths

advanced studies

- 250 Special Notice
--Erratum
- 250 Information Circulars
- 250 --The John Dewey Foundation and the Center for Dewey Studies The John Dewey Essay Project (No. FY80-139)

- 250 --National Research Council Fellowships Program Announcement 1980 (No. FY80-140)
- 251 --The Royal Society of New Zealand Captain James Cook Fellowship (No. FY80-141)
- 251 Current Publications And Other Scholarly Works
- 252 Closing Dates for Selected Sponsored Programs

documentation

- 253 Correction
- 253 Faculty Senate Journal December 4, 1979
- 256 Minutes of the 191st Graduate Council Meeting October 24, 1979
- 261 Faculty Committee for University Libraries Minutes December 18, 1979

79-80

February 15, 1980

number 11

the university

new advisory council member

Newton Minow, a Chicago attorney who served as a Notre Dame trustee from 1964 to 1967, has been appointed to the College of Arts and Letters Advisory Council.

arts and letters faculty development program

A \$350,000 grant from the Andrew W. Mellon Foundation has been made to the College of Arts and Letters to establish a faculty development program. Associate Dean of Arts and Letters Robert E. Burns, principal planner of the four-year program and its director, said the grant would underwrite summer research, research-related travel and retraining opportunities. As project director, Burns will be responsible for coordinating the existing college faculty development activities and for implementing and managing all activities supported by the Mellon grant.

armstrong award

Edward W. Krause, athletic director at Notre Dame for more than three decades, has received the James E. Armstrong Award from the Notre Dame Alumni Association. The award, named for the former secretary of the 62,000-member association, honors an employee of the University "who has performed outstanding service and demonstrated qualities in his personal life that reflect the high principles of the University." The award will be presented to him at the spring meeting of the National Alumni Board on campus.

sorin award

Leo J. Vogel, chairman of the Interstate Equipment Corporation in Pittsburgh, has been selected to receive the Sorin Award of the Notre Dame Alumni Association. The award, named after the founder of the University, is given annually to an alumnus or alumna who has contributed outstanding service to his or her community and to Notre Dame. The award will be presented at the spring meeting of the National Alumni Board.

Volume 9, No. 11

Feb. 15, 1980

Notre Dame Report (USPS 707-080) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Department of Information Services. Second-class postage paid at Notre Dame, Ind.

©1980 by the University of Notre Dame, Notre Dame, Ind. 46556. All rights reserved.

faculty notes

appointments

William F. McKinney was appointed assistant director of Internal Audit on Dec. 1, 1979. McKinney has been with Internal Audit for the past two years and will be assuming a newly created position.

honors

Teoman Ariman, professor of aerospace and mechanical engineering, has recently been appointed chairman of the Committee on Fluid-Particle Separation of the Fine Particle Society.

Jay P. Dolan, associate professor of history, was appointed to the Committee on Nominations for 1980 for the American Society of Church History.

Philip Gleason, professor of history, has been appointed to the editorial board of the Journal of American History.

John R. Lloyd, professor of aerospace and mechanical engineering, has been appointed chairman of a newly formed committee of the Heat Transfer Division of the American Society of Mechanical Engineers, "The Committee on Heat Transfer in Fire and Combustion Systems." The appointment is for a period of three years.

Gilbert D. Loescher, assistant professor of government and international studies, and his wife, Ann Dull Loescher, have had their book Human Rights (E.P. Dutton) selected by the National Council for the Social Studies and the Children's Book Council as one of the most notable children's trade books in the social studies published in 1979.

John F. Santos, professor of psychology, has been named to the board of trustees of the Retirement Research Foundation, a private philanthropy with primary interest in improving the quality of life of older persons in the U.S.

Donald E. Sporleder, professor of architecture, has been appointed to a continuing term on the professional examination committee of the National Council of Architectural Registration Board (NCARB).

Anthony M. Trozzolo, Huisking Professor of chemistry, received a distinguished service award from the St. Joseph Valley Section of the American Chemical Society for his contributions as section chairman during 1979.

Kwang-tzu Yang, professor of aerospace and mechanical engineering, has been appointed a technical editor of Journal of Heat Transfer, effective Jan 1, 1980. Yang has also been appointed a member of the advisory board of the Journal of Engineering Thermophysics in China, also effective Jan 1.

activities

Joan Aldous, Kenan Professor of sociology, responded to papers presented at the Social Science Research Council planning meeting for life-course development of families in Japan and the U.S. held in New York City, Jan. 25, 1980.

Hafiz Atassi, professor of aerospace and mechanical engineering, presented two papers, "Aerodynamics Response of an Airfoil with Thickness to a Longitudinal and Transverse Periodic Gust" and "A Two-Dimensional Potential Flow Model for Ground-Induced Effects on Jet and Fan Inlets," at the AIAA 18th Aerospace Sciences Meeting, Jan. 14-16, 1980, in Pasadena, Calif. Atassi also presented a seminar at the Department of Aerospace and Mechanical Engineering at the University of Arizona, Tucson, on Jan. 17, 1980, entitled "Unsteady Aerodynamics: Early and Recent Developments."

Subhash C. Basu, associate professor of chemistry, presented two lectures on "Biosynthesis of Blood Group Related Glycosphingolipids" and "Probable Roles of Cell Surface Glycoconjugates on the Control of DNA Replication" for the Department of Biochemistry, Medical University of South Carolina, Charleston, S.C., on Oct. 22, 1979, and for the Naval Medical Research Institute, Bethesda, Md., on Oct. 23.

Linda S. Beard, assistant professor of English, cochaired a panel on "African Women as Writers and Critics" at the Modern Language Convention in San

Francisco, Dec. 27-30, 1979. Beard also presented a paper, "The Search for Definition: How to Name the Unnameable in Southern African Fiction," at the 1980 Association of Commonwealth Literature and Language Studies international conference in Fiji, Jan. 3-8. Beard had received a grant from the American Council of Learned Societies to support her participation in the conference.

Dino S. Cervigni, assistant professor of modern and classical languages, read a paper, "Lazarillo de Tormes and the Vita of B. Cellini: An Inquiry into Prose Narrative," at the M.L.A. Convention in San Francisco on Dec. 28, 1979.

Donald P. Costello, professor and chairman of American studies and professor of English, served as a panelist/consultant to the Division of Fellowships of the National Endowment for the Humanities, Washington, D.C., on Jan. 15, 1980.

Michael J. Crowe, professor in the General Program of Liberal Studies, presented a paper at the annual convention of the History of Science Society in New York City, Dec. 28-30, 1979: "R.A. Locke's 'Moon Hoax' of 1835 Was Not a Hoax."

Jay P. Dolan, associate professor of history, presented a paper at the annual meeting of the American Catholic Historical Association on Dec. 30, 1979, in New York City: "The Parish: From Colonial Maryland to Post-Modern New York."

Philip Gleason, professor of history, spoke on "Lord Acton, History and Modernization" on Nov. 5, 1979, as part of the "Evolutionary Images of Humanity" series held at Notre Dame. On Nov. 15 Gleason spoke on "The Paxton Boys Uprising" before a meeting of Phi Alpha Theta, the history honor society, at Saint Mary's College, Notre Dame, Ind.

Walter R. Johnson, professor of physics, gave a colloquium at Pennsylvania State University, College Park, Pa. entitled "Relativistic Effects in Many-Electron Atoms" on Jan 3, 1980.

Rev. Edward J. Kilmartin, S.J., professor of theology, gave a paper, "A Response to: 'The Liturgy of the Great Church'" at the Oriental-Catholic Consultation held in New York City, Dec. 27-28, 1979. Kilmartin also gave a paper, "Visions of the Future of Ecumenism" at an international symposium on the future of ecumenism held in honor of Archbishop Iakovos, Jan. 10-13, 1980.

Marvin J. Miller, assistant professor of chemistry, presented a seminar, "The Synthesis of β -Lactam Antibiotics and Other Natural Products from Hydroxamic Acids," at Merck, Sharp and Dohme Research Laboratories, Rahway, N.J., on Jan. 15, 1980.

Thomas J. Mueller, professor of aerospace and mechanical engineering, chaired a session, "Subsonic Viscous Computations," at the AIAA 18th Aerospace Sciences Meeting, Pasadena, Calif., on Jan. 14, 1980. He also presented a talk, "Smoke Visualization Techniques in Subsonic and Supersonic Flows," at the Applied Mechanics Seminar at the University of Southern California, Los Angeles,

on Jan. 15.

Irwin Press, associate professor of sociology and anthropology, spoke to the freshman class of Loyola Medical School, Chicago, on "Cultural Aspects of Disease and Medicine," Jan. 17, 1980.

Rev. Niels K. Rasmussen, O.P., assistant professor of theology, gave six lectures on "Mystagogie Sacramentaire et Ecrits sur la Liturgie" at the Institut Supérieur de Liturgie, Institut Catholique, Paris, Jan. 9-10, 1980.

Charles E. Rice, professor of law, lectured on "The Current Legal Assault on the Family" at a "Symposium on Justice for the Child" held at Loyola University, Chicago, Nov. 15, 1979. On Nov. 19, Rice lectured on "Legal Aspects of Prenatal Medicine" at St. Michael's College, Toronto. Rice lectured on constitutional law at an Indianapolis State Bar Association Continuing Education Seminar held in Indianapolis, Dec. 9. On Dec. 28 Rice concluded a year of serving as counsel on behalf of Sen. Barry M. Goldwater and other members of Congress in litigation challenging President Carter's termination of Mutual Defense Treaty with the Republic of China.

Randal C. Ruchti, assistant professor of physics, gave a high-energy physics seminar, "Survey of Recent Experiments on Charm Particles," at Indiana University, Bloomington, on Oct. 30, 1979.

John F. Santos, professor of psychology, delivered an invited address on "Aging: Family and Social Support Systems" at the National Vista Sandia Conference on "Normal and Pathological Aging" held in Albuquerque, N.M., on Oct. 5, 1979.

James H. Seckinger, professor of law, spoke on "The Teaching of Jury Selection in the Law School Curriculum" at the Association of American Law Schools' annual meeting in Phoenix, Ariz., on Jan. 4, 1980.

Arvind Varma, associate professor of chemical engineering, presented three research seminars on various aspects of catalytic reaction engineering for the Department of Engineering of Universidad Autónoma Metropolitana, Mexico City, Jan. 7-11, 1980.

F. Ellen Weaver, assistant professor of theology, presented a paper on "Jansenist Bishops and Liturgical-Social Reform" at a joint session of the American Historical Association and the American Catholic Historical Association during the annual AHA/ACHA meeting in New York City, Dec. 18, 1979.

Rev. Oliver F. Williams, C.S.C., assistant professor of theology, participated in a discussion of his book, Full Value, at the annual meeting of the American Society of Christian Ethics in New York City, Jan. 19-20, 1980.

deaths

George Meany, 85, president emeritus of the AFL-CIO and Laetare Medalist in 1955, on Jan. 10, 1980.

advanced studies

special notice

Erratum

In the listing of proposals submitted for the month of Dec. 1979 which appeared in issue No. 10 of the Notre Dame Report, a proposal entitled "Nuclear structure research" was listed with the principal investigators Browne, Darden, and Funk. The listing of principal investigators should have appeared as Browne, Darden, Funk, Kolata, and Mihelich.

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.

The John Dewey Foundation and the Center for Dewey Studies The John Dewey Essay Project

No. FY80-139

Theme: John Dewey's philosophy of education.
Open to: Matriculated graduate students.
Length: Under 10,000 words.
Deadline: June 1, 1980.
Decision by: Sept. 15, 1980.
Awards: \$1,000 and \$500.

For further information:

Jo Ann Boydston, Director
Center for Dewey Studies
Southern Illinois University at Carbondale
Carbondale, IL 62901

National Research Council Fellowships Program Announcement 1980

No. FY80-140

Program:

With the support of the Andrew W. Mellon Foundation, the National Research Council will offer a limited number of resident fellowship appointments for work at the NRC with NRC committees on issues of science and technology and their applications in national policy. NRC is engaged with a wide range of issues and studies centered in sciences, engineering and public policy, providing an opportunity for leading members of the technical community to inform and counsel the executive and legislative branches of the federal government on matters of current and future concern.

The NRC does not conduct laboratory or experimental research.

Areas of Study:

Typical areas of committee study include environmental protection; energy systems, resources and conservation; transportation components and systems; national materials policy issues; national and international health research programs; international cooperation in science and technology; nutrition; child development; space science and applications; agriculture; education; urban problems; risk benefit assessment; and priorities and resources in science. The NRC does not conduct laboratory or experimental research. A booklet providing a more complete listing of program areas and illustrative studies may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington, DC 20418.

Eligibility:

Applications will be accepted from scientists or engineers who received their terminal professional degrees less than 10 years prior to date of application in the natural and social sciences, engineering and mathematics. The program is open only to citizens of the United States.

Tenure:

Tenure is generally 12 months, but tenures as short as six months or up to 24 months may be approved upon justification.

Stipend:

The basic stipend on an annual basis will be \$19,000. In addition, the fellow will be reimbursed for travel and relocation costs up to a maximum of \$2,000.

Deadline:

Applications will be evaluated quarterly, and the results announced on or about March 31, June 30, Sept. 30 and Dec. 31 for applications received not less than 30 days prior to these dates. Applications received after each deadline will be considered in the next quarter.

Further Information:

Inquiries concerning application materials and program administration should be addressed to:

The Fellowship Office
National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418

**The Royal Society of New Zealand
Captain James Cook Fellowship**

No. FY80-141

Program:

In order to commemorate the bicentenary of Captain Cook's first landing in New Zealand on Oct. 9, 1769, the New Zealand government established in 1968 a research fellowship to perpetuate Captain Cook's spirit of scientific enquiry and exploration. The fellowship is awarded to persons of senior status for two years, extendable to three, at a New Zealand university or research institution to carry out research within New Zealand or the southwest Pacific region in the following fields: Anthropology, biology, geography, geology, geophysics, history, medicine, oceanography.

Stipend:

The salary will be that of the maximum for an associate professor in New Zealand. Travel funds for spouse and dependent children under 16 years, plus an allowance for transport of personal effects will be paid.

Deadline:

May 31, 1980.

Additional Information:

For additional information and application materials contact:

The Executive Officer
The Royal Society of New Zealand
P.O. Box 12249
Wellington, New Zealand.

or

Director of Fellowships
National Academy of Sciences
2101 Constitution Avenue
Washington, DC 20418

current publications and other scholarly works

ARTS AND LETTERS
HUMANISTIC AND SOCIAL STUDIES

Economics

Croteau, John T.

J.T. Croteau. 1979. The early antigonish -- Prince Edward Island connection. The Atlantic Co-operator 46A(11):4, (12):15.

English

Beard, Linda S.

L.S. Beard. 1979. Bessie Head's A Question of Power: The journey through disintegration to wholeness. Colby Library Quarterly 15(4):267-274.

Matthias, John E.

J.E. Matthias. 1979. Five American Poets. The Carcanet Press, Manchester, England. 160 pp.

J.E. Matthias. 1979. Rostropovich at Aldeburgh. A limited edition pamphlet. The Sceptre Press, London, England. 5 pp.

J.E. Matthias. 1980. Crossing. Swallow Press, Chicago, Illinois. 125 pp.

Vasta, Edward

E. Vasta. 1979. To Rosemounde: Chaucer's "Gentil" dramatic monologue. Pages 97-113 in, Chaucerian Problems and Perspectives: Essays Presented to Paul E. Beichner, C.S.C. Notre Dame Press, Notre Dame, Indiana.

E. Vasta. 1979. Chaucerian Problems and Perspectives: Essays Presented to Paul E. Beichner, C.S.C., Notre Dame Press, Notre Dame, Indiana. 264 pp.

General Program of Liberal Studies

Rogers, Stephen

S. Rogers. 1979. Let's find out about myths. Page 10:1-3.

- S. Rogers. 1979. The myth of the self-centered person. Page 10:1-4.
 S. Rogers. 1980. Myths and the kinds of truth in Christianity. Page 10:1-4.
 S. Rogers. 1980. Myths and the kinds of truth. Page 10:1-5.

SCIENCE

Biology

- Hellenthal, Roger A.
 R.D. Price and R.A. Hellenthal. 1979. A review of the Geomydoecus tolucae complex (Mallophaga: Trichodectidae) from Thomomys (Rodentia: Geomyidae), based on qualitative and quantitative characters. Journal of Medical Entomology 16(4):265-274.

Chemistry

- Fessenden, Richard W.
 *Y. Kokaku, Y. Hatano, H. Shimamori and R.W. Fessenden. 1979. Mechanism of thermal electron attachment in $O_2-C_2H_4$, O_2CO_2 , and O_2 -neopentane mixtures. Journal of Chemical Physics 71(12):4883-4887.
 Shimamori, Hiroshi
 *Y. Kokaku, Y. Hatano, H. Shimamori and R.W. Fessenden. 1979. Mechanism of thermal electron attachment in $O_2-C_2H_4$, O_2-CO_2 , and O_2 -neopentane mixtures. Journal of Chemical Physics 71(12):4883-4887.
 Thomas, J. Kerry
 *M. Almgren, F. Grieser and J.K. Thomas. 1979. One-electron redox potentials and rate of electron transfer in aqueous micellar solution. Partially solubilized quinones. The Journal of Physical Chemistry 83(25):3232-3236.
 Trozzolo, Anthony M.
 *K.C. Wu and A.M. Trozzolo. 1979. Production of singlet molecular oxygen from the oxygen quenching of the lowest excited singlet state of aromatic molecules in n-hexane solution. Journal of Physical Chemistry 83(24):3180-3183.

 * Under the Radiation Laboratory

Physics

- Marshalek, Eugene R.
 E.R. Marshalek. 1979. Nuclear wobbling motion. Nuclear Physics A 331:429-463.
 Shanley, Paul E.
 M.U. Ahmed and P.E. Shanley. 1979. Level parameters of the isospin-mixed 2^+ doublet in 9Be . Nuclear Physics A 332:289-296.

Aerospace and Mechanical Engineering

- Atassi, Hafiz
 G. Hamad and H. Atassi. 1980. Aerodynamic response of an Airfoil with Thickness to a Longitudinal and Transverse Periodic Gust. AIAA 18th Aerospace Sciences Meeting, Pasadena, California. 5 pp.
 W.H. Newman and H. Atassi. 1980. A Two-Dimensional Potential Flow Model for Ground-Induced Effects on Jet and Fan Inlets. AIAA 18th Aerospace Sciences Meeting, Pasadena, California. 9 pp.
 Cullinane, Thomas P.
 T.P. Cullinane and G. Moreno, Jr. 1979. A maximin single facility location problem. Pages 113-117 in, Fall Industrial Engineering Conference Proceedings. American Institute of Industrial Engineers, Inc., Houston, Texas.

Civil Engineering

- Ketchum, Jr., Lloyd H.
 L.H. Ketchum, Jr., R.L. Irvine and R.W. Dennis. 1979. Sequencing batch reactors to meet compliance. The American Institute of Chemical Engineers, Symposium Series, Water - 1978 190(75):186-191.

RADIATION LABORATORY

- Kumar, Anil
 A. Kumar and P. Neta. 1979. Oxidation of Ag^+ and $Ag(NH_3)_2^+$ as studied by pulse radiolysis. The Journal of Physical Chemistry 83(24):3091-3095.
 Mikami, Naohiko
 N. Mikami and H.K. Hong. 1979. Polarized two-photon absorption spectra of naphthalene in durene single crystal with two synchronized tunable dye lasers. Bulletin of the Chemical Society of Japan 52(12):3484-3495.
 Neta, Pedatsur
 P. Neta. 1979. Electron transfer reactions involving acridine and related compounds. The Journal of Physical Chemistry 83(24):3096-3101.
 A. Kumar and P. Neta. 1979. Oxidation of Ag^+ and $Ag(NH_3)_2^+$ as studied by pulse radiolysis. The Journal of Physical Chemistry 83(24):3091-3095.
 Raghavan, Neervalur V.
 S. Steenken and N.V. Raghavan. 1979. Oxidation of methoxyhydroxycyclohexadienyl radicals by quinones. The influence of the isomeric structure of the radical on the rate constant for electron transfer. The Journal of Physical Chemistry 83(24):3101-3107.
 Tripathi, G.N.R.
 G.N.R. Tripathi and J.E. Katon. 1980. The polarized infrared spectrum of crystalline dimethyl oxalate. Chemical Physics 45:141-148.

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
Department of State Office of Education Office of Education	U.S.-Spain Postdoctoral Research Grants	March 27, 1980
	Biomedical Sciences Program	March 28, 1980
	Handicapped Research and Development Program (student research)	March 17, 1980

documen- tation

correction

An error was made in the publication of Father Hesburgh's annual address to the faculty in Notre Dame Report #8. The sentence, which was the last line of the third paragraph from the bottom on p. 213, is reprinted below with the correction underlined.

Father Hesburgh praised Professor O'Meara's concern for academic excellence and repeated his assurance that the criteria for tenure remain as described in the Academic Manual.

faculty senate journal december 4, 1979

At 7:30 p.m. the chairman, Prof. Kenneth E. Goodpaster called the meeting to order in Room 202 of the Center for Continuing Education and offered the prayer. The Journal for Nov. 12, 1979 was approved.

Goodpaster reported that the date of the next meeting was changed from Wednesday, Jan. 23 to Tuesday, Jan. 22, and that the provost would speak to the senate at the Feb. 12 meeting.

Speaking for the Committee on Administration, Prof. Michael J. Francis described the work of a subcommittee chaired by Prof. Kenneth R. Brehob which has been investigating variable criteria for tenure among the academic departments at Notre Dame as well as practices at other universities. Brehob expressed the hope that the three criteria--research, teaching and service--can be clarified for each department, and that statements defining the criteria for each department can be prepared for the approval of the dean and provost. Prof. Robert Irvine questioned whether it would not be more effective to set up University guidelines rather than separate statements for each department. Brehob indicated that proposals for senate debate on this issue would be presented in the spring.

Speaking for the Committee on Faculty Affairs, Prof. Irwin Press reported that information on grievance and appeal procedures, including a summary of practices at other universities,

should be distributed to the senate before the next meeting. He noted that a report based upon data about fringe benefits at peer institutions was being prepared.

Speaking for the Committee on Student Affairs, Prof. Steven M. Batill indicated that work was continuing on the senior year seriousness question, and that the committee would be meeting with Prof. William Sexton of the College of Business to review his research on course evaluation.

The meeting recessed at 7:50 p.m. to allow Robert C. Miller, director of libraries, to speak to the senate about the University Libraries.

Miller expressed the hope that his remarks to the senate could serve as the beginning of increased communication between the University Libraries and their various clienteles, particularly the faculty. He reported that in the next few weeks the faculty would be receiving the first issue of *Access*, a new occasional newsletter which the libraries will be issuing to help keep the faculty abreast of library developments.

Miller described the University libraries as one of the largest support units at Notre Dame, employing 35 library faculty, 83 support staff and 22 FTE student employees in Memorial Library as well as seven departmental libraries. He offered the following data about the library system: as of July 1, 1979, there were approximately 561,000 titles in the collections in some 1,279,000 volumes; the collection also included more than 670,000 microform units and 100,000 uncataloged government documents; at the start of this fiscal year, we were receiving about 11,260 current serial titles; during 1978-79, the various library units circulated over 200,000 items; the budget for the libraries is in excess of \$2 million; and \$968,905 from all sources last year was spent for acquisitions and binding. He felt that these figures would give some idea of the size and complexity of the libraries' operations, both factors which can seriously impact the ability of the libraries to respond quickly and effectively to various needs.

Miller characterized the past year as an eventful one for the University libraries, with significant progress in a number of different areas. There has been great headway made in clearing up the processing backlogs of the various bulk purchases of recent years. A new map collection was established on the second floor of Memorial Library bringing together holdings from various areas within the library and the Department of Earth Sciences. A security system was installed in Memorial Library to help reduce the unauthorized borrowing of library materials. An automated system was implemented to help support the various acquisitions-related activities. A survey on faculty use and attitudes on the University libraries was conducted which revealed heavy faculty use of library facilities, general satisfaction with services, but considerable unhappiness about the collections. Broad discussion and planning were initiated in response to the various technological advances and changes in policy at the Library of Congress which will seriously affect the future of bibliographic control and access in the libraries. Perhaps the most dramatic change in library operations was the start of an approval program for American and U.S.-distributed books which seeks to insure basic coverage of significant American literature in all areas of interest to the University's teaching and research programs. The libraries made significant progress in strengthening the collections with the availability of \$400,000 in National Endowment for the Humanities Challenge Grant funds, designed to build retrospective holdings in the broad area of the humanities.

Miller briefly outlined some of the things that will be occupying the libraries' attention over the next year or two: changes in cataloging rules and catalog technology; the introduction of data base services; new larger quarters for the Engineering Library; a study of library services to the undergraduate student and the future of the College Library collection, including a survey of student use and attitudes toward the libraries; and the completion of a five-year development plan for the University libraries.

Miller addressed the question, how good is the University of Notre Dame library, and the appropriate standards for evaluation. He concluded that, after a year's observation, the library is good, indeed significantly better than seems to be the common opinion, but it can, should and must be even better if it is to adequately support the work of

the University.

In response to a series of questions from both Irvine and Press about the acquisitions budget and its allocation, Miller indicated that a 4 per cent growth rate was the median for the Association of Research Libraries members, that a significant increase in funding would be needed for Notre Dame to improve and maintain its collections, that an increased library endowment was critical, and that a variety of factors but not precise formulas determined the allocation of resources for collection development. He stressed the need for more effective articulation and documentation of library needs.

The meeting reconvened at 8:35 p.m.

Prof. Paul F. Conway moved that the senate consider the report of the Committee on Search Procedures by untabling the motion made at the Nov. 12 meeting by Prof. Michael J. Crowe that the senate accept the report. Prof. Vincent P. DeSantis seconded, and the motion carried.

DeSantis moved that the original motion be divided; first, that the senate accept the report and thank the Committee on Search Procedures for its work; and second, that the senate approve the report. Conway seconded, and the motion carried. The first motion to accept the report was approved.

DeSantis moved that the recommendations for changes in the Academic Manual in the Report of the Committee on Search Procedures be amended by removing wherever it reads "the President appoints two members" (page 3, line 6) and "the Provost appoints two members" (page 4, lines 7-8; page 5, line 5; page 6, line 5) to read instead as it now appears in the Manual on pages 19 and 20 on electing the members of the search committees; and in the case of deans of colleges to restore "with the concurrence of the College Council" on page 20 of the Manual. Prof. Robert A. Vacca seconded.

Crowe questioned whether the report and its recommendations could be changed by the senate and whether the Committee on Search Procedures could pass the original report on to the provost if it was rejected by the senate. He indicated his feeling that the changes under consideration were sufficiently serious to undo the work of the committee and emasculate its report, and reiterated the findings of the committee and the arguments supporting its recommendations.

Goodpaster pointed out that it is the senate's responsibility to guarantee that the recommended changes represent the thinking of the senate before they are passed on to the Academic Council for consideration. Prof. Gerald L. Jones asked whether the senate was amending the committee's report or the recommendations the senate would pass on to the council.

James Deffenbaugh moved that DeSantis' motion be divided, and that the questions of elected members and College Council concurrence be considered separately. Prof. Abraham Goetz seconded, and the motion carried.

An extended discussion of elected versus appointed members on search committees followed and various points on achieving representative committees, the need for clout and confidence in search committees, and faculty participation were raised. Prof. Lee A. Tavis, seconded by Batill, called the question, and the motion to retain elected members was approved by a vote of 18 to 14.

On the motion to retain the requirement for College Council concurrence in the appointment of deans, various arguments were considered: the councils' need for reasonable time to deliberate and more information, the problems of confidentiality and lack of decisive action, the ineffective role played by councils in recent appointments, and the erosion of faculty participation. Francis called the question, seconded by Deffenbaugh, and the motion was approved by a vote of 19 to 12.

James G. Neal introduced a statement on the search committee for the director of university libraries position, and moved that it replace the text in the Committee of Search Procedures report. Deffenbaugh seconded. Neal argued that the proposed text included the various changes which had been recommended for the search committees for the other positions. Crowe questioned the provost serving as chairman of this search committee and objected to the reduction in teaching faculty participation. The motion was approved by a vote of 20 to 10.

Conway proposed an amendment to the motion to approve the report to add the statement "and take it to the Academic Council," and it was accepted. The motion to approve the

amended report of the Committee on Search Procedures and to take it to the Academic Council was approved.

The meeting adjourned at 9:50 p.m.

Those absent but not excused: Mario Borelli, mathematics; Charles F. Crutchfield, law; Harald Esch, biology; Kenneth L. Grant, mathematics; Dean A. Porter, art; James Seckinger, law; John Van Engen, history; Arvind Varma, chemical engineering; Phyllis Webb, micro-biology.

Respectfully submitted,

James G. Neal
Secretary

minutes of the 191st graduate council meeting october 24, 1979

Room 121, Hayes-Healy Center

Approved at the 192nd Graduate Council Meeting on Jan. 23, 1980

The chairman called the meeting to order at 3:30 p.m. All members were present except the following: Dean Joseph C. Hogan (excused), Charles W. Allen, Ralph M. McInerny (excused), Roger A. Schmitz (excused) and Thomas A. Werge. Dean Leo V. Ryan was represented by Yusaku Furuhashi.

I. INTRODUCTION OF NEW COUNCIL MEMBERS

The chairman announced the following new members: Dean Francis J. Castellino (College of Science), Rev. Thomas E. Blantz, C.S.C. (history), Prof. Michael J. Crowe (General Program), Prof. John E. Derwent (mathematics), Prof. Andrew J. Weigert (sociology), Prof. Ralph M. McInerny (medieval studies), Prof. Roger A. Schmitz (chemical engineering), Prof. Morris Wagner (microbiology), Jill Ann Leff (graduate student in history) and Kurt P. Bottjer (graduate student in biology).

II. MINUTES OF THE 190th MEETING

The minutes of the 190th meeting were approved as circulated.

III. ADMISSION OF NEW GRADUATE FACULTY

The chairman went over the functions reserved to members of the graduate faculty and the criteria for membership, as approved by the Graduate Council at its 162nd meeting on April 8, 1974. He enumerated six functions reserved to the graduate faculty: to serve on and vote for members of the Graduate Council, direct Ph.D. dissertations, chair Ph.D. examinations, serve as readers of Ph.D. dissertations, and on Ph.D. candidacy boards and departmental graduate committees, and noted that any faculty member, even before his or her admission to graduate faculty status, can teach graduate courses and direct master's theses.

To the two criteria for membership in the graduate faculty as approved earlier (Ph.D. or its recognized equivalent in the field, and active engagement in scholarly research), the chairman suggested that a third criterion might be added: experience in graduate teaching.

While only full-time members of the regular faculty are eligible for appointment to the graduate faculty, exceptions may be made for some distinguished visiting or part-time faculty members on the recommendation of the department chairman. The appointment procedure calls for a recommendation from the department chairman to be approved by the college dean and forwarded to the Office of Advanced Studies. The vice president for advanced studies reviews the nomination and then makes an appropriate recommendation to the Graduate Council. The department chairman has the option of appealing a negative recommendation of the vice president to the Graduate Council. The chairman added that although appointments had been made from time to time of faculty members in their first year of service, appointment in his or her second year would allow some time for the department to see how well the prospective nominee interacts with graduate students, particularly in the classroom and on master's examinations.

The chairman, then, introduced the list of faculty members recommended for admission to the graduate faculty and invited the council to a general discussion of this question.

Dean Castellino expressed some doubt as to the advisability of waiting a year before considering the appointment of new faculty members. He said this procedure could affect faculty recruitment in his college. The chairman explained that a new faculty member can teach graduate courses at any level and advise graduate students at the master's level before his or her appointment to the graduate faculty.

The discussion focused on the eligibility of adjunct faculty; it was reiterated that only members of the regular faculty would be eligible and that, in accordance with the Faculty Handbook, adjunct faculty are considered nonregular faculty, and therefore ineligible for appointment. Exceptions may be made for distinguished individuals in this category only at the special request of the department chairman, and the approval of the college dean and the vice president for advanced studies. The council recommended that this procedure be clearly stated in the minutes and widely circulated among the departments and colleges. Dean Castellino suggested that more time be devoted to this question at a later meeting.

IV. CHAIRMAN'S REMARKS

1. Enrollment: Total Graduate School enrollment for the fall 1979 was 1237 (down 75 from 1312 in 1978). First-year enrollment was 470 (down 48 from 518 in 1978). If we exclude the nondivisional enrollment (e.g. medical students from the SBCME program, Religious Leaders, Institute for Clergy Education, MSA and Special NSF programs in Biology and Mathematics), total enrollment this year was 1009 (down 54 from 1063 in 1978) and first-year enrollment was 296 (down 30 from 326 in 1978). This slight decrease is in part the result of a general implementation of the tripartite objectives set forth by the COUP Report and carried out in the last six years, namely, to decrease our size, to focus our programs and to increase quality. Additionally, one must recognize the nationwide general decrease in graduate school enrollments.

Total enrollment trends in the divisions:

	<u>Total Enroll.</u>		<u>Change</u>	<u>First-Year Enroll.</u>		<u>Change</u>
	<u>1978</u>	<u>1979</u>		<u>1978</u>	<u>1979</u>	
Humanities	427	420	- 7	131	137	+ 6
Social Sciences	270	249	-21	79	53	-26
Science (-NSF program)	211	192	-19	66	53	-13
Engineering	<u>155</u> <u>1063</u>	<u>148</u> <u>1099</u>	<u>- 7</u> <u>-54</u>	<u>50</u> <u>326</u>	<u>53</u> <u>296</u>	<u>+ 3</u> <u>-30</u>

First-year degree enrollment trends by department:

	<u>Down</u>	<u>Up</u>	<u>Trends in the Divisions</u>
Humanities	Art, Hist., Philo.	Engl., Mus., Theo.	Up
Social Sciences	Econ., Govt., Psy., Soc.		Down
Science	Chem., Math., Phys.	Bio.	Down
Engineering	Engr. Sci.	Aero/Mech., Cheg., CE., EE., Metl.	Up

When examined by department over a 12 year period 1968-80, the number of major programs (20 or more graduate students) that have experienced declines in enrollment is slightly less than the number of programs that have been stable or have experienced increases.

2. Degrees Awarded: The number of degrees awarded has also fallen off in the period, 1971-79:

<u>Doctorates</u>	<u>FY 71</u>	<u>High for the period</u>	<u>FY 79</u>
Humanities	33	36	27
Soc. Sci. (excl. Educ.)	23	30	16
Science	61		18
Engineering	21	28	15
Total Doctorates	138		76

Doctoral production fell below 100 in FY 78 for the first time since 1971.

<u>Master's degrees</u>	<u>FY 71</u>	<u>High for the period</u>	<u>FY 79</u>
Humanities	244		118
Soc. Sci. (Inst. Adm. offset loss of Education)	91	97	91
Science	145	194	26
Engineering	44	59	45
Total Master's Degrees	524	567	280

3. The future is made more bleak by the knowledge that the 18-24-year-old cohort in the population will decline between now and 1990. Estimates of this decline vary from 10 to 25% depending upon the geographic area.

In the general picture, graduate enrollments are expected to follow this decline. The undergraduate pool from which graduate enrollment is drawn will be reduced. There will also be less economic incentives to pursue graduate education since academic career opportunities are falling off without concomitant increase in nonacademic employment. Another factor affecting graduate enrollment will be reduced graduate student support; declining institution enrollments will mean less support and a diminished need for graduate teaching and research assistants.

To a degree, this general picture will affect us here. But it is within our ability to moderate that decline while at the same time seizing the opportunity to be creative in our scholarship and to translate that creativity into solid graduate programs for the fewer students.

Although academic employment opportunities may see a moderate decline, there will still be positions opening each year. It is up to us to educate the kinds of students who will compete successfully for those positions.

We are also gaining in resources to achieve this goal. This evening and tomorrow will see a discussion between outside visitors and interested and appropriate faculty of opportunities for the Kellogg Institute for International Affairs. This is an important addition to the Social Science division.

We have a new engineering facility built to foster the research and graduate teaching in that division. Science will see the development of a new chemical research facility. There is a new interest in theology for work with the Jerusalem Institute for Ecumenical Studies at Tantur.

For each division, then, there is a new or newly aligned major resource to assist and stimulate scholarly work. It thus falls upon the faculty to seize the new opportunities and put them to work in furthering our scholarly endeavors.

4. Admission: The number of first-year students in the graduate divisions (excluding NSF programs) declined by 30 from last year. Total applications received between September 1978 and August 1979 were 1,430 (1,663 in the previous 12-month period). Of these applications:

74% came from men and 26% from women;

71% from U.S. applicants and 29% from foreign applicants.

There were 1,308 completed applications permitting committee decisions (1,537 in the previous 12-month period).

Of these:

448 or 34% were rejected (42% in the previous period).

860 or 66% were accepted (58% in the previous period).

Of the 860 accepted:

294 declined our offers, or 34% (33.7% in the previous period).

560 confirmed, or 65% (63.7% in the previous period).

6 did not show up, or 1% (2.6% in the previous period).

Of the 560 students who confirmed:

272 were in degree programs (291 in the previous period);

288 were in nondegree programs (273 in the previous period).

Within the divisions of the Graduate School, there was a marked decline in applications in the Social Sciences--down 123 from 1978 (310 vs. 433). In the other divisions, Humanities was down 31 (326 vs. 357); Science was down 47 (340 vs. 387); Engineering was down 52 (321 vs. 372).

The number of students confirmed for a degree program was as follows:

	Ph.D.				Master's Degree			
	Total	Female	Foreign	Ethnic Min.	Total	Female	Foreign	Ethnic Min.
Hum.	41	7	2	2	79	31	9	4
Soc. Sci.	37	12	5	6	19	9	3	2
Sci.	37	13	10	1	9	4	1	0
Engr.	$\frac{9}{124}$	$\frac{1}{33}$	$\frac{7}{24}$	$\frac{0}{9}$	$\frac{36}{143}$	$\frac{1}{45}$	$\frac{16}{29}$	$\frac{1}{7}$

Declinations: 294 declined our offers. Each received a post card asking why they made that decision. 150 or 53% replied. The most frequent reasons checked are "Academic," "Better Programs" (50%) and "Financial" (20%). In the previous 12-month period, it was 32% and 23% respectively.

5. Tuition: A number of people have expressed concern with regard to graduate tuition--the amount, where it is going, what it may or may not be doing to our enrollment. It has been suggested that the University should peg the tuition for graduate students.

We did a little study of 22 private institutions with regard to the relation between their undergraduate and graduate tuition and with respect to our tuition. The data are for 1979-80:

- . 18 of the institutions (Brown, Case Western Reserve, Chicago, Cornell, Dartmouth, Duke, Emory, Georgetown, Harvard, Johns Hopkins, Northwestern, Princeton, Southern California, Stanford, Tulane, Vanderbilt, Washington University, Yale) have higher graduate tuition than Notre Dame (presently set at \$3,950); three are lower (Fordham, Rice, St. Louis) and one charges the same (Catholic University).
- . In the 22 institutions, the graduate tuition varies from a low of \$2,700 (Rice) to a high of \$5,685 (Princeton).
- . In 12 institutions, the graduate tuition is the same as the undergraduate.
- . In five institutions, it is higher (between \$100 and \$240).
- . In five institutions, it is lower (between \$12 and \$760).

In order to fully comprehend tuition as a factor affecting enrollment, one must look at the amount of tuition subsidy available to the student.

Since 1973-74, 62 to 70% of the FTE enrollment in the Graduate School have been supported by the University budget:

	<u>1973-74</u>	<u>74-75</u>	<u>75-76</u>	<u>76-77</u>	<u>77-78</u>	<u>78-79</u>
Total Enrlt.	1213	1374	1267	1278	1233	1238
FTE Enrlt.	769	715	714	737	720	691
FTE Univ. Budget	475	475	452	484	479	487
Self Supported	294	240	262	253	241	205
% FTE Support	62	66	63	66	67	70
% Total Enrlt.	39	35	36	38	39	39

In 1978-79, 831 students or 84% of degree-seeking students received some support, as compared with 791 students or 79% a year earlier.

6. Land O' Lakes Meeting: In a several day meeting from July 8 through 11 this summer, the Office of the Provost, the deans and the vice president for advanced studies covered 21 diversified agenda items ranging from undergraduate requirement in general education through the nature of research in the Law School and the College of Business Administration, and including affirmative action, hiring procedures, department reviews, graduate stipends, policies regarding childbearing, etc.

- . Department Reviews: The major concerns of low stipends, heavy teaching loads and an inadequate library budget were discussed at length at Land O' Lakes. It was felt that the effort and expenditure in the four-year review process was worthwhile and that the overall value was in a broader awareness of the problem areas.
- . Graduate Stipends: Currently there are 350 GA positions in the University in addition to support funds provided by endowments and research grants. Departments may adjust the stipends in response to their particular marketplaces. OAS was commended for encouraging this flexibility in support allocation. It was also agreed that additional support funds would be an essential component in building an excellent graduate program in the University.
- . Professional Needs: To meet the professional needs of the faculty and increase incentives for research, the Land O' Lakes group concluded after a long discussion that judicious allocation of discretionary funds as "opportunity money" by OAS through the deans might be the best way to handle this. However, this has a lower priority than an increase in graduate stipends.

7. Other Items:

- . Employment of Supported Students: The cumulation of additional jobs on top of full-time graduate studies can cause problems in some cases and it was agreed that there was need for further discussion of this situation.
- . Zahm Research Travel Fund: The fund is exhausted for this year. An announcement of the 1980-81 Fund will appear in Notre Dame Report.
- . Meetings of Directors of Graduate Studies: A series of meetings of directors of graduate studies have been scheduled for this academic year to exchange views on various topics of common interest, such as recruitment, admission, student support, RA's, grade of Incomplete, drops and adds, etc.

V. REVIEW AND DISCUSSION OF THE EXTERNAL REVIEW PROGRAM

In view of the advanced hour, it was agreed that the full discussion of this topic should be left to the next meeting. It was proposed that the following plan of discussion would be followed: consideration of the list of "Suggested Topics for Discussion" (Working Document 1, page 1) for possible addition of topics suggested by members and a quick review of the procedures; the main focus of the discussion would be on the purpose of the program and the frequency of reviews. Before the next meeting additional information with

regard to the number of faculty available for graduate teaching and research in each department will be supplied to members. This information may be useful in the evaluation of the list of "Fields of Concentration in the Graduate School" (Working Document 10, page 38).

The meeting was concluded at 5:15 p.m.

Chau T. M. Le
Secretary

faculty committee for university libraries minutes december 18, 1979

Present:

Harvey A. Bender, Vincent P. DeSantis, John W. Lucey (chairman), John R. Malone, Robert C. Miller, James E. Robinson.

The minutes of the Dec. 10, 1979 meeting were amended and unanimously approved for publication.

Malone announced that he will be on leave during the spring semester and that a temporary replacement member to the committee from the College of Business Administration will be appointed or elected by Jan. 15, 1980.

Discussion of the five-year development plan resumed as follows:

Growth Rate: The current growth rate should be stated in the presentation. A comparison should be made between what it would cost to purchase 15,000 volumes at some future date rather than upon publication. If something isn't done now the University libraries will be committed to mediocrity. Goals of overall increased growth rates of 4%, 5% and 6% were reviewed, with agreement that 5% is the most reasonable as this would place the Notre Dame libraries approximately at the median point in the rank ordering of U.S. university libraries in terms of the number of volumes added annually. This would stop the decline in the relative overall ranking of the library and permit some catch-up.

Improved Assistance: In-class instruction needs to be aimed at graduate as well as undergraduate students. The libraries are committed to offering on-line data base services, with probable start-up by July 1980 on a small scale. The three major vendors of data base services are not subject-oriented specialists but rather cover most data bases in monographs, journals, etc.

Automate Circulation: This is not suggested as a way of saving money. It is an improvement in service. There will be some staff savings to offset part of the computer costs. The policy of confidentiality would not change automatically with a change in the mode of keeping records. An automated circulation system can be more responsive to change. Such systems have been operational during the past five years and no drastic technological changes are foreseen which would obsolesce currently purchased equipment before its time.

Upgrade/Replace Audio/Microtext Equipment: It was agreed that services in these areas should not be expanded (i.e., the incorporation of any type of video services); the current services offered should not be diluted but rather attempt to do well what the libraries at Notre Dame are expected to do.

Expansion of Checkpoint System to Science and Engineering Libraries: Loss and/or mutilation of library materials in all areas is a growing concern.

Extend Shelving Capacity in Memorial Library: It is absolutely critical that space in the Memorial Library now used for nonlibrary purposes be recovered and equipped with shelving. The proposed increase in growth rates makes this situation even more urgent.

The committee unanimously endorses the five-year development plan and will prepare a letter expressing their support to accompany the transmittal of the document to the University Administration.

The next meeting will be held on Monday, Jan. 18, 1980 at 3:30 p.m.

notre dame report

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

Christopher J. Meehan, Editor
Printing and Publications Office
415 Administration Building
Notre Dame, Ind. 46556
(219) 283-1234
