

'75-'76

# notre dame report

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April 30, 1976

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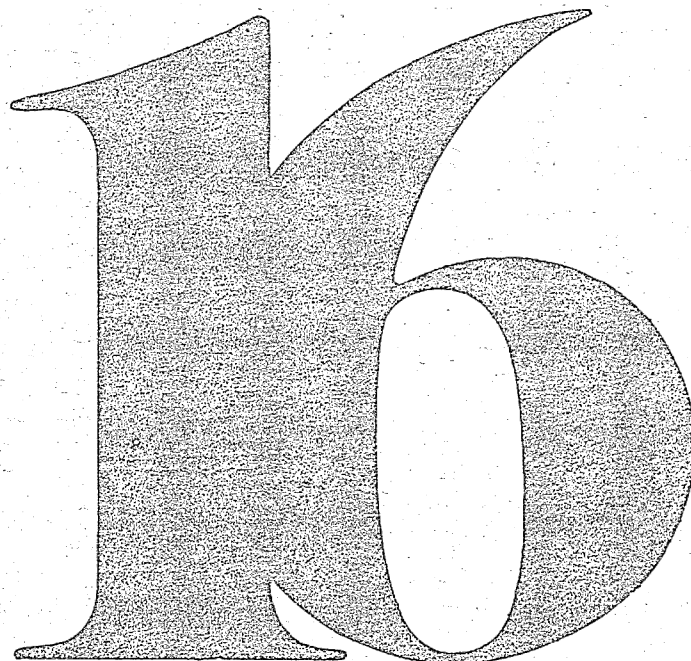
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# the university

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## President's Dinner

The annual President's Dinner will be at 7:15 p.m. May 18 in the North Dining Hall. Reservation cards will be mailed to faculty and administrative staff in the near future.

## Law School Gift

A half-million dollar matching gift has been donated to the Notre Law School by Chicago attorney Kenneth F. Montgomery. Notre Dame's Law Dean David T. Link said the gift, to be matched dollar-for-dollar by other contributions, would permanently endow the Kiley Fellowship Fund begun in 1968 by Montgomery.

The Fund, which offers tuition support and stipends to outstanding law students, was named after Judge Roger J. Kiley, a 1923 Notre Dame law alumnus who became a member of the United States Court of Appeals for the Seventh Circuit, where he served until his death in 1974.

## Faculty Recommendations

Assistant Provost William M. Burke has announced that recommendations for the Reinhold Niebuhr Award and for the Faculty Award are being accepted at his office through 5 p.m., Friday, May 7. Recommendations should be accompanied by a brief statement of reasons why the recommender supports his nominee for either award. (See Documentation for further details.)

## Memorial Library Hours

Memorial Library hours for Thursday, May 13 - Sunday, June 20, 1976, are:

### 1st & 2nd Floors

Open: Monday - Saturday 8 a.m. - 5 p.m.  
Closed: Sundays

### 4th through 13th Floors (Tower)

Open: Monday - Saturday 8 a.m. - 10 p.m.  
Sunday 1 p.m. - 10 p.m.

Memorial Library Building will be closed:

May 27 (Ascension Thursday)  
May 31 (Memorial Day)

The Research Libraries will be open Monday through Friday 8 a.m. - noon and 1 p.m. - 5 p.m. They will be closed Saturdays and Sundays in addition to May 27 and May 31.

All libraries will return to their regular schedule on Monday, June 21.

## Kenan Professor Named

Joan Aldous, a social scientist specializing in study of the family, has been appointed Visiting Kenan Professor of Sociology at Notre Dame.

Professor Aldous received her baccalaureate from Kansas State University, her M.A. from the University of Texas, and her doctorate from the University of Minnesota, where she joined the sociology faculty after receiving her Ph.D. in 1963. Her work at Minnesota included a dissertation on family continuity patterns over three generations, two international bibliographic inventories of published research on marriage and the family, a study of parental influences on children's creativity, and research on the effects of father absence on low income Negro and white children's per-

ception of family structure and adult sex roles. She directed graduate studies in sociology at Minnesota in 1968-69 and chaired the university's Council for University Women's Progress in 1973. She is a panel member of the Population Research Review Section of the National Institutes of Health and associate editor of the National Council on Family Relations' Journal of Marriage and the Family.

The William R. Kenan, Jr., Chair in Sociology at Notre Dame was established by a \$750,000 gift from the Kenan Charitable Trust of New York City, which over the last decade has established several endowed professorships at colleges and universities "to be held by scholars-teachers whose enthusiasm for learning, commitment to teaching and interest in students may be expected to make a notable contribution to the undergraduate community."

## Festival Bells

The University's carillon, the oldest in North America, and still sounding the hours for students at Notre Dame after 120 years, will join the massed bell-ringing festivities of the nation's 200th birthday on July 4. The 23 bells will be activated for two minutes at 1 p.m. (E.D.T.). Communities across the nation are expected to coordinate a program of bell-ringing beginning at 2 p.m. (E.D.S.T.) on July 4.

## Band Honored

The Notre Dame Band was recently named a "Historic Music Landmark" as part of the National Music Council's Bicentennial Parade of American Music. One of five organizations, events or individuals so honored in Indiana, the Notre Dame Band, which first played in 1846, was selected because of its position as the oldest university band in continuous existence in the U.S.

A "landmark" bronze plaque will be affixed to the exterior of Washington Hall and dedicated as part of Indiana's Bicentennial events.

The Notre Dame Jazz Combo was also honored recently, receiving an "outstanding" award at the 18th annual Collegiate Jazz Festival at Stepan Center. Two guitarists with the quartet also won awards for best acoustic guitarists. It was the first time in the history of the festival that a group from Notre Dame received one of the top awards. The Notre Dame Jazz Bands are under the direction of Rev. George Wiskirchen, C.S.C., who also served as faculty moderator for the Collegiate Jazz Festival.

# faculty notes

## Honors

Salvatore J. Bella, Jesse Jones Professor of Management, has been elected to the Executive Board, Planning Division of United Way of St. Joseph County, Indiana.

John G. Borkowski, chairman of the Department of Psychology, has been selected to serve on a study section for the Dissertation Research Grant Program of the Administration on Aging.

Rev. David Burrell, C.S.C., chairman of the Department of Theology, has been appointed a consultant to an Indiana Public Instruction project on the Academic Study of Religion in secondary schools.

George B. Craig, Jr., Clark Professor of Biology, has been chosen by the American Mosquito Control Association to receive its 1976 Meritorious Service Award. The award is given annually for contributions and service in support of mosquito research and control. Craig will receive the award at the association's annual meeting April 22 in Boston.

John T. Croteau, professor emeritus of economics, will receive an honorary doctorate from the University of Prince Edward Island at the graduation ceremonies to be held in Charlottetown, P.E.I., Canada, on May 9.

Bernard D. Cullity, professor of metallurgy, has been appointed chairman of the Materials Characterization Committee of Educational Modules for Materials Science and Engineering, a national organization sponsored by the National Science Foundation for the preparation of modular aids to education.

Jeremiah P. Freeman, chairman of the Department of Chemistry, has been appointed a member of the Advances in Chemistry Advisory Board, American Chemical Society, for a three year period, 1976-1978.

John Huber, Assistant Professional Specialist in the Department of Preprofessional Studies, has been elected chairman of the Indiana Joint Committee for Protective Services. The committee has been formed by the Indiana Association for Retarded Citizens, Epilepsy Foundation of Indiana, United Cerebral Palsy - Indiana, and local chapters of the National Society for Autistic Children.

E.W. Jerger, associate dean of the College of Engineering, has been named chairman of the Protective Construction Technical Advisory Committee of the International Association for Housing Science.

Richard A. Lamanna, associate professor of sociology and anthropology, has been elected to the board of directors of the Committee on Community Research of the International Sociological Association.

Rev. Ernan McMullin, professor of philosophy, has been appointed by the New York State Commissioner of Education to a committee which will evaluate all 12 doctoral programs in philosophy in the state's public and private universities.

Robert C. Nelson, assistant professor of aerospace and mechanical engineering, has been awarded an USAF/ASEE Summer Faculty Research Associateship at the Arnold Engineering Development Center, Arnold Air Force Station, Tennessee.

Ray M. Powell, chairman of the Department of Accountancy, has been reelected to the Midwest Business Administration Association Board of Directors.

Yu-ming Shaw, assistant professor of history, has been awarded a seven-month internship grant in Chinese studies by the American Council of Learned Societies. From June to December Shaw will be affiliated with the Center for Far Eastern Studies of the University of Chicago, studying Sino-American relations in the twentieth century.

Charles K. Wilber, professor of economics, has been elected to the Board of Directors of the Association for Evolutionary Economics.

## Activities

Several members of the faculty of the Department of Accountancy participated in the 14-state Midwest Regional Meetings of the American Accounting Association, April 1-3 in St. Louis, Missouri: Associate Professor Robert W. Williamson served as a Plenary Session discussant for a paper on "Accounting for the Cost of Capital"; Assistant Professors Kenneth W. Milani and James L. Wittenbach, presented a paper on "Student and Faculty Reaction to Certain Techniques Used in Teaching Federal Income Tax Courses"; Department Chairman Ray M. Powell served on the Program Committee and conducted the Plenary Session of the meeting.

Dennis Bamber, instructor of music, presented a lecture-demonstration at the North American Saxophone Alliance meeting held at Indiana State University, Terre Haute, Indiana on April 6. His program included a world premiere of "Peh-Lo-Kee" by Assistant Professor David Clark Isele.

Francis X. Beytaugh, professor of law, delivered the Commencement Address at the University of Toledo's winter quarter graduation exercise on March 19.

Raymond M. Brach, associate professor of aerospace and mechanical engineering, presented an invited lecture at the 1976 International Conference on Noise Control Engineering held in Washington, D.C., April 5-7. His topic was "Husher, A Quiet-Design Concrete Block Machine."

Neal M. Cason, associate professor of physics, presented an invited paper entitled "Evidence for a New Scalar Meson" at the XIth Rencontre de Moriond, March 4 in Flaine, France. He also delivered a talk on "New Results from the Notre Dame - ANL Streamer Chamber Experiment" at the ERDA Program Review at Argonne National Laboratory on March 25.

Philip P. Chandler, assistant professor of the Collegiate Seminar Program, delivered a paper entitled "Plato's Republic: Mathematics and Dynamis" at the Midwest History of Science Society Meeting, March 27 at Notre Dame.

Carvel Collins, professor of English, read a paper entitled "Writing Soldiers' Pay" and gave the banquet lecture at a conference in Atlanta, April 9, to commemorate the 50th anniversary of the publication of William Faulkner's first novel. The conference was sponsored by the Georgia Institute of Technology.

Frederick J. Crosson, O'Hara Professor of Philosophy, represented the University at an International Theology Congress celebrating the 550th anniversary of Louvain University in Belgium, April 26-30.

James M. Daschbach, professor of aerospace and mechanical engineering, presented a paper (co-authored with Assistant Professor Thomas P. Cullinane) entitled "Effective Laboratory Procedures for Teaching Production Systems Analysis," at the North Central meeting of the American Society of Engineering Education held in Cincinnati, Ohio, April 1-3.

Fabio B. Dasilva, associate professor of sociology and anthropology, delivered a paper entitled "The Urban Episteme" at the annual meeting of the Midwestern Anthropological Association held in St. Louis, March 10. He participated in a Symposium on Research On Human Subjects at the annual meeting of the Society for Applied Anthropology at St. Louis, March 12 and presented a paper entitled "Mystery: a Phenomenological Analysis" at the annual meeting of the Southwestern Social Science Association, Sociology Branch, in Dallas, April 9.

William I. Davisson, professor of economics, conducted seminars on Simulation and Modeling in Kansas City and Baton Rouge, March 15 and 18. The two-day seminars were sponsored by the American Association for the Advancement of Science.

Thomas P. Fehlner, professor of chemistry, presented an invited paper at the IX George H. Hudson Symposium on "Homoatomic Rings and Chains" in Plattsburgh, New York, April 10.

Sophie Korczyk, instructor in finance, participated in "A Look at Business and the Law" on Feb. 29, part of a week-long women's conference sponsored by the Advisory Council of Women Students at Notre Dame.

Charles F. Kulpa, Jr., assistant professor of microbiology, presented a seminar at the Brookhaven National Laboratory, in Upton, New York, April 9, on "The Liposome."

Kenneth R. Lauer, professor of civil engineering, presented a paper on the "Utilization of Incinerator Residue from Municipal Refuse as Aggregate" at the Fifth Mineral Waste Utilization Symposium at Illinois Institute of Technology, April 14.

Ralph McInerny, professor of philosophy, took part in a panel discussion on "The Condemnations of 1277" during the Sewanee Mediaeval Colloquium at the University of the South in Sewanee, Tennessee, April 10. He delivered a paper entitled "Crisis in Values: An Indefinite Article" at the Danforth Regional Conference April 30-May 2 in Gettysburg, Pennsylvania.

Marino Martinez-Carrion, professor of chemistry, gave a presentation entitled "Cation Binding to Acetylcholine Receptors from *Torpedo californica*" at the Symposium on the Structure and Function of Biological Membranes, sponsored by the Canadian Biochemical Society and PAABS, in Banff, Alberta, Canada, March 16. He also delivered a lecture on "Molecular Rationale of Ligand Interactions with Free and Membrane-bound Acetylcholine Receptor" on March 22 at the Department of Chemistry, Washington State University in Pullman, Washington.

Ken Milani, assistant professor of accountancy, appeared on the Channel 34 "Patchwork" show on Feb. 4 and March 8 to discuss the Notre Dame Tax Assistance Program and answer questions called in by viewers of the program.

Rev. Edward O'Connor, C.S.C., associate professor of theology, lectured on "Pope Paul and Charismatic Renewal" in Albuquerque, New Mexico, April 24.

Rev. Daniel J. O'Neil, C.S.C., director of International Student Affairs, conducted a panel, "Foreign Student Affairs Today" at the American Personnel and Guidance Association National Conference in Chicago, April 12.

J.W. Pattillo, Peat, Marwick, Mitchell Professor of Accountancy, spoke to the Michiana Chapter of the Institute of Internal Auditors on Feb. 12, in Benton Harbor, Michigan, on "Materiality in Financial Reporting." He also addressed an Indiana University D.B.A. Accounting Students Seminar, in Bloomington, Indiana, March 17 on "Research on Materiality Judgment."

Dean A. Porter, director of the Art Gallery, delivered two lectures on Victor Higgins during March -- at the Indianapolis Museum of Art, March 22, and at the University of Wisconsin, Waukesha branch, March 28. His one-man exhibition of woodcuts and watercolors, "New York to Taos," was on display from April 11-May 9 at the Museum of Art and Sciences in Daytona Beach, Florida.

James H. Powell, assistant director of the Center for Continuing Education, served on the Southern Association of Colleges and Schools Visitation Committee for the University of Louisville, March 30-April 2.

Brother Leo V. Ryan, C.S.V., dean of the College of Business Administration, conducted two workshops for the elementary and secondary school administrators and School Board and School Finance Committee members of the Diocese of St. Petersburg (Florida), March 19-20.

John F. Santos, professor of psychology, spoke March 31 at the first session of a three-week conference on long-term care for the elderly. The conference, at Bethel College in South Bend, was funded by Bethel College and the National Association of Social Workers.

William P. Sexton, associate professor of management, delivered a paper entitled "Humanization of Work: What Should Business Do?" on March 24 as part of the S & H Lecture Series in the College of Business Administration at Notre Dame.

J.K. Thomas, professor of chemistry and the Radiation Laboratory, presented an invited paper entitled "Photoionization in Micellar and Membrane Systems" at the Faraday Discussion of the Annual Chemical Congress, April 5-9, Glasgow, Scotland.

Anthony M. Trozzolo, Huisking Professor of Chemistry, delivered a lecture entitled "Chemistry of Dye Lasers" before the North Jersey Section of the American Chemical Society in Morristown, New Jersey, March 15 and the Indiana Section of the American Chemical Society in Indianapolis, March 22.

Penny Van Esterik, assistant professor of anthropology, presented a seminar on "Ban Chiang and the Southeast Asian Artistic Tradition" at the University of Chicago, Southeast Asian Program, on March 10.

Peter Walshe, associate professor of government and international studies, gave two lectures to the faculty renewal conference of the Colleges of Mid-America, April 2-3 in Sioux Falls, South Dakota. His topics were "The Third World Predicament: Tropical Africa" and "Global Consciousness and the Egalitarian Hope in History."

Charles K. Wilber, professor of economics, participated in a Task Force on Values, Population and Economic Development at The Institute for Ethics, Society and the Life Sciences in Hastings, New York, on March 25-27. He also gave two lectures on the economics of the railway industry at the national AFL-CIO Labor Studies Center in Washington, D.C., March 12-15.

Stephen T. Worland, associate professor of economics, delivered a paper entitled "Teleology and Mechanism in Smith's Theory of Policy" at the Bicentennial Conference on Adam Smith and the Wealth of Nations, 1776-1976, held at Eastern Kentucky University, March 24-26.

## Correction

Several errors appeared in the announcement of the Midwest History of Science Society Annual Meeting held March 25-27 at Notre Dame. Although the invited speakers on the history of American science and mathematics were listed, the announcement failed to note that these addresses were sponsored by the College of Science. The remaining sessions on March 26 and 27 were hosted by the Graduate Program in History and Philosophy of Science at Notre Dame. Also Professor Michael J. Crowe and Phillip R. Sloan, both of the General Program of Liberal Studies, were co-chairmen of the conference.

# office of advanced studies

## Information Circular

Department of Natural Resources —  
Division of Fish and Wildlife  
Wildlife Research Small Grant Program

No. FY76-69

### Purpose

To support short term investigations in the field of wildlife ecology.

### Eligibility

Applicants must be enrolled in an accredited Indiana college or university and must have completed their sophomore year with a major in zoology, general biology, or wildlife management. A staff member must agree to counsel and guide the applicant's research efforts.

### Financial Data

The grant is for \$1,000, which will be forwarded to the institution for distribution to the investigator. Funds may be used for labor, supplies, and transportation.

### Duration

Duration is for a period of one year following the date grant is awarded. The study must be limited so it can be completed within one year.

### Types

Research may be conducted in, but not restricted to, the following:

- . Effects of chemicals, weather, hunting, predators on wildlife.
- . Development and evaluation of wildlife techniques.
- . Ecology and control of wildlife danger.
- . Wildlife parasites and diseases.
- . Status of endangered species.
- . Hunter attitudes.
- . Evaluation of land use changes.

### Deadline

Applications must be received by May 20, 1976.  
The grant will be awarded by July 1, 1976.

For further information contact:

Mr. Robert D. Feldt  
Supervisor Wildlife Research  
607 State Office Building  
Indianapolis, Indiana 46204  
Telephone: (317) 633-7696

## Current Publications And Other Scholarly Works

ARTS AND LETTERS  
HUMANISTIC AND SOCIAL STUDIES

### Art

Porter, Dean A.

D.A. Porter. 1976. Victor Higgins. Artist of the Rockies 3(2):40-47.

D.A. Porter. 1976. Victor Higgins: an Indiana Born Artist Working in Taos, New Mexico. Exhibition catalogue. Osthmers, South Bend, Indiana. 100 pp.

### Economics

Wilber, Charles K.

C.K. Wilber and J.D. Wisman. 1975. The Chicago School: Positivism or ideal type. Journal of Economic Issues 9(4): 665-679.

C.K. Wilber and J.H. Weaver. 1975. The role of income distribution in economic development. Economic Analysis and Workers Management 9(3-4).

### English

Bernstein, Gene M.

G.M. Bernstein. 1975. Review of The Illuminated Blake, annotated by D.V. Erdman. Arizona Quarterly 31:372-374.

Gutierrez, Donald

D. Gutierrez. 1975. Uroboros, The Serpent, and Conrad's Heart of Darkness. The Nantucket Review 5:40-45.

### Government and International Studies

Niemeyer, Gerhart

G. Niemeyer. 1975. Solzhenitsyn's three achievements. The Intercollegiate Review 11(1):3-11.

G. Niemeyer. 1975. The new need for the Catholic University. The Review of Politics 37(4):479-489.

G. Niemeyer. 1976. Eric Voegelin's Philosophy and the Drama of Mankind. Modern Age 20(1):28-39.

G. Niemeyer. 1976. Wer ist Solschenizyn? (Transl.) Criticon 33:10-14.

#### History

Kerby, Robert L.

R.L. Kerby. 1976. Foes of C-130 for Egypt ignore Israeli use of plane. The South Bend Tribune 2 April:9.

Smelser, Marshall

M. Smelser. 1976. George Washington. Pages 25-30 in, J.P. Dolan, ed. Heritage of '76. University Press, Notre Dame.

#### Modern and Classical Languages

Rubulis, Aleksis

A. Rubulis. 1976. Socialist Realism. Aglonas Vestis 138/139(3/4):8-12.

#### Music

Bamber, Dennis

D. Bamber and W.J. Cerny. 1975. Music for Saxophone and Piano; Volume I. Etoile Quality Music and Recordings, Bloomington, Indiana. DB1.

D. Bamber and W.J. Cerny. 1975. Music for Saxophone and Piano; Volume II. Etoile Quality Music and Recordings, Bloomington, Indiana. DB2.

Cerny, William J.

D. Bamber and W.J. Cerny. 1975. Music for Saxophone and Piano; Volume I. Etoile Quality Music and Recordings, Bloomington, Indiana. DB1.

D. Bamber and W.J. Cerny. 1975. Music for Saxophone and Piano; Volume II. Etoile Quality Music and Recordings, Bloomington, Indiana. DB2.

Wiskirchen, CSC, George C.

G.C. Wiskirchen, CSC. 1976. A tabular history of Jazz, Part II. Selmer Bandwagon 79:11-13.

G.C. Wiskirchen, CSC. 1976. National Catholic Bandmasters Association Liturgical Music Sourcebook. NCBA Publications, Notre Dame, Indiana. 16 pp.

#### Philosophy

Caponigri, A. Robert

A.R. Caponigri. 1976. The timelessness of the Scienza Nuova of Giambattista Vico. Pages 309-333 in, G. Rimanelli and K.J. Atchity, eds. Italian Literature: Roots and Branches, Essays in Honor of Thomas Goddard Bergin. Yale University Press, New Haven, Connecticut.

#### Theology

O'Connor, CSC, Edward D.

E.D. O'Connor, CSC. 1975. Il battesimo nello Spirito Santo. Vivere in 3(6):13-15.

Whitehead, Evelyn E.

E.E. Whitehead. 1976. Models of ministry in higher education. Journal of the National Institute of Campus Ministry 1(1):14-22.

#### SCIENCE

##### Biology

Craig, Jr., George B.

C.J. Paige and G.B. Craig, Jr. 1975. Variation in filarial susceptibility among East African populations of Aedes aegypti. Journal of Medical Entomology 12(5):485-493.

Weinstein, Paul P.

R.D. Tkachuck, P.P. Weinstein, and J.F. Mueller. 1976. Comparison of the uptake of vitamin B<sub>12</sub> by Spirometra mansonoides and Hymenolepis diminuta and the functional groups of B<sub>12</sub> analogs affecting uptake. Journal of Parasitology 62(1):94-101.

##### Chemistry

Kozak, John J.

\*J.W. Kress and J.J. Kozak. 1976. Estimate of the intermolecular polarization contribution to the static dielectric constant of water. Journal of Chemical Physics 64(4):1706-1719.

Pasto, Daniel J.

D.J. Pasto and J.K. Borchardt. 1976. Carbon-13 nuclear magnetic resonance spectral properties of alkenylidenecyclopropanes. Journal of Organic Chemistry 41:1061-1063.

D.J. Pasto and M.F. Miles. 1976. Electrophilic addition reactions of alkenylidenecyclopropanes. Formation of highly substituted, nonplanar butadienes. Journal of Organic Chemistry 41(3):425-432.

D.J. Pasto, R.L. Smorada, B.L. Turini, and D.J. Wampfler. 1976. Electrophilic and radical addition reactions of a bisalkylidenecyclopropane. Journal of Organic Chemistry 41(3):432-438.



Thomas, J. Kerry

- \*J.K. Thomas. 1976. Observation of excited states in the radiolysis of liquid hydrocarbons. International Journal for Radiation Physics and Chemistry 8:1-12.

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\* Under the Radiation Laboratory  
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#### Earth Sciences

Gutschick, Raymond C.

- R.C. Gutschick. 1976. Preliminary reconnaissance study of Lower and lower Upper Mississippian strata across northwestern Utah. U.S. Geological Survey Open-file report 76-200, 40 pp.  
R.C. Gutschick and J.K. Rigby. 1976. Two new Lower Paleozoic hexactinellid sponges from Utah and Oklahoma. Journal of Paleontology 50(1):79-86.

#### Mathematics

Hahn, Alexander J.

- A.J. Hahn. 1976. Isomorphisms of the integral classical groups and their congruence subgroups. American Journal of Mathematics 97(4):865-887

#### ENGINEERING

##### Aerospace and Mechanical Engineering

Ariman, Teoman

- T. Ariman. 1975. Recent developments on thermo-elasto-visco-plasticity and neutron irradiation of metals in nuclear reactors. Page L 4/1 in, Transactions of the Third International Conference on Structural Mechanics in Reactor Technology. September 1-5, London.  
T. Ariman and L. Tang. 1976. Collection of aerosol particles by fabric filters in an electrostatic field. Atmospheric Environment 10:205-210.  
R.D. Pierce, J.L. Smith, W.E. Miller, D.R. Pedersen, R.E. Wilson, H.W. Helenberg and T. Ariman. 1975. Experimental simulation of molten fuel externally contracting an operating LMFBF fuel subassembly. Pages E 1/5, 1-8 in, Transactions of the 3rd International Conference on Structural Mechanics in Reactor Technology. September 1-5, London.  
Brach, Raymond M.  
R.M. Brach and R.C. Davis. 1976. Husher, a quiet-design concrete block machine. Pages 31-36 in, Inter-noise 76. April 5-7, Washington, D.C.

Cullinane, Thomas P.

- J.M. Daschbach and T.P. Cullinane. 1976. Effective laboratory procedures for teaching production systems analysis. Pages 21-26 in, Proceedings of the Joint Meeting of the North Central Section and the Illinois-Indiana Section of the American Society for Engineering Education. April 2-3, University of Cincinnati.  
Daschbach, James M.  
J.M. Daschbach and T.P. Cullinane. 1976. Effective laboratory procedures for teaching production systems analysis. Pages 21-26 in, Proceedings of the Joint Meeting of the North Central Section and the Illinois-Indiana Section of the American Society for Engineering Education. April 2-3, University of Cincinnati.  
Morris, Edgar E.  
E.E. Morris. 1976. Moments method calculation of the energy-dependent neutron flux due to a point-isotropic fission source in an infinite medium of sodium. Nuclear Science and Engineering. 59: 246-260.

#### BUSINESS ADMINISTRATION

##### Accountancy

Lynch, Richard M.

- R.M. Lynch and R.W. Williamson. 1976. Accounting for Management Planning and Control, Second Edition. McGraw-Hill Book Co. 509 pp.  
Milani, Kenneth W.  
K.W. Milani. 1975. LIFO and its limitations. Management Accounting 57(6):31-ff.  
K.W. Milani. 1975. Social Facilitation implications for accountants. Pages 115-121 in, Collected Papers of the 1975 Annual Meeting Midwest Region American Accounting Association.  
Pattillo, James W.  
J.W. Pattillo. 1975. Researching factors underlying judgments of materials in financial reporting. Pages 185-194 in, J.D. Sheppard, ed. Collected Papers of the 1975 Annual Meeting of the Midwest Region American Accounting Association.  
Williamson, Robert W.  
R.M. Lynch and R.W. Williamson. 1976. Accounting for Management Planning and Control, Second Edition. McGraw-Hill Book Co. 509 pp.  
Wittenbach, James L.  
J.L. Wittenbach. 1975. Taxation for the undergraduate. Pages 53-57 in, Collected Papers of the 1975 Annual Meeting Midwest Region American Accounting Association.

##### Finance and Business Economics

Patrick, Thomas M.

- T.M. Patrick. 1975. Review of the Olson and H.H. Landsberg, eds. The No-Growth Society. International Development Review 17(4):26,28.

## Management

- Heisler, William J.  
W.J. Heisler. 1976. Management and executive development trends in the federal service. Pages 223-227 in, R. Albanese, ed. Proceedings of the Eighteenth Annual Meeting of the Southwest Division, Academy of Management. Texas A&M University, College Station, Texas.
- Sexton, William P.  
W.P. Sexton. 1976. The development of a Catholic Institution. Review for Religious 35(2):272-279.

## LAW

- Shaffer, Thomas L.  
T.L. Shaffer. 1974. Testimony, Commission on Revision of the Federal Court Appellate System, 1974 Hearings. U.S. Government Printing Office. 1:540-546.
- T.L. Shaffer. 1975. Lawyers, counselors, counselors at law. American Bar Association Journal 61:854.
- T.L. Shaffer. 1975. Review of Dukeminier and Johanson, Family Wealth Transactions. Journal of Legal Education 27:372
- T.L. Shaffer, co-ed. 1976. The Mentally Retarded Citizen and the Law. Fress Press, New York.
- T.L. Shaffer and R.S. Redmount. 1975. In Law School people don't matter. Learning and the Law 2:7.
- T.L. Shaffer and R.S. Redmount. 1975. In Law Schools people don't matter. In, F. Strong, ed. Annotated Bibliography for Law Teachers.

# Monthly Summary

## Awards Received

IN THE MONTH OF MARCH, 1976

Department or Office	Principal	Short title	Sponsor	Dollars Months
RESEARCH				
Biology	Fuchs	Reproductive physiology of <u>Aedes</u>	Natl. Inst. Health	61,935 12
Theology	Primus	Aqiva's contribution to Mishnaic law of agriculture	Albert Pick, Jr. Fund	200 12
Mathematics	O'Meara	Quadratic forms and group therapy	Natl. Sci. Fdn.	40,700 12
Chemistry	Martinez- Carrion	Probes of molecular function in pyridoxal enzymes	Natl. Inst. Health	30,568 12
Inst. Urban Studies	Broden	Bureau of substandard buildings: An appraisal	City of South Bend	10,340 3
Microbiology- Lobund Lab.	Pollard	Investigations on prostate ade- nocarcinomas in rats	Natl. Inst. Health	56,684 12
Chemistry	Scheidt	X-ray and chemical study of metalloporphyrins	Natl. Inst. Health	53,474 12
Economics, Elec. Eng.	Davisson, Uhran	Constructing a national socio- economic model	General Elec. Co.	2,000 12
Microbiology- Lobund Lab.	Pollard, Asano	Colo-rectal carcinogenesis in rats	Natl. Inst. Health	63,120 12
FACILITIES AND EQUIPMENT				
Metallurgical Eng.	Allen	Analytical scanning trans- mission electron microscope	Natl. Sci. Fdn.	75,000 18
EDUCATIONAL PROGRAMS				
Aeros. Mech. Eng.	Yang	Undergraduate research parti- cipation - Aeros. Mechanical	Natl. Sci. Fdn.	14,400 15
Civil Eng.	Ketchum, Irvine, Ross	Undergraduate research parti- cipation - Civil	Natl. Sci. Fdn.	15,870 15
SERVICE PROGRAMS				
Center Human Dev.	Dwyer	Needs assessment program	---	37,000

# Proposals Submitted

IN THE MONTH OF MARCH, 1976

Department or Office	Principal	Short title	Sponsor	Dollars Months
RESEARCH				
Aerospace Mech. Eng.	Yang, Lloyd	Fire and smoke spread	Dept. Commerce	163,581 24
Metallurgical Eng.	Miller, Fiore	Adhesive wear of some stainless steels	Alcoa Fdn.	10,000 12
Economics, Accountancy	Davisson, Powell	Business analysis of inflation in bus. and economic relations	(private fdtns.)	166,102 24
Chemistry	Castellino, (Violand)	Effects of antifibrinolytic agents on plasminogen activation	Ind. Heart Assocn.	4,000 12
Chemistry	Castellino, (Bajaj)	Metal ion in the activation of coagulation proteins	Ind. Heart Assocn.	10,000 12
Chemistry	Freeman	Intramolecular cyclizations of ketenes and related compounds	Natl. Sci. Fdn.	100,006 36
Biology	Esch	Behavioral genetics of commu- nication	Natl. Sci. Fdn.	122,003 36
Economics	Scovill, (Clute)	Impact of federal revenue shar- ing on local gov. expenditures	Housing Urban Develop.	9,067 12
Aerospace Mech. Eng.	Betchov	Turbulence modeling	Natl. Sci. Fdn.	75,834 24
Microbiology Lobund Lab.	Wostmann	Antibiotics: Effects of bile acids and cholesterol	Natl. Inst. Health	47,722 12
Biology	Tweedell	Tumor induction by Lucke Her- pes virus	Amer. Cancer Society	23,665 12
Psychology	Sloan	Impact of television on adoles- cent and adult viewers values	ABC Television Network	20,000 12
Aerospace Mech. Eng.	Szewczyk	Effects of turbulence and shear on flow past bluff bodies	Natl. Sci. Fdn.	89,960 24
Civil Eng.	Ketchum, Irvine	Treatment of slaughterhouse wastewater in cold climates	Environ. Protect. Agency	120,403 20
Aerospace Mech. Eng.	Cullinane	Accident prevention in solid waste collection systems	Natl. Sci. Fdn.	105,891 15
Biology	Williams	Reorganization in a eucaryotic cellular system	Natl. Sci. Fdn.	83,501 24
EDUCATIONAL PROGRAMS				
Economics, Elec. Eng.	Davisson, Uhran	Modeling and feedback course for university undergraduates	Educ. Fdn. of America	45,000 24
College Eng.	Berry	Career options broadening for wo- men through computer programming	Off. Educ.	239,500 24

# Summary of Awards Received and Proposals Submitted

IN THE MONTH OF MARCH, 1976

## AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	\$306,481	3	\$ 12,540	9	\$319,021
Facilities and Equipment	-	---	1	75,000	1	75,000
Educational Programs	1	14,400	1	15,870	2	30,270
Service Programs	-	---	5	37,000	5	37,000
Total	7	\$320,881	10	\$140,410	17	\$461,291

## PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$161,347	13	\$ 990,388	16	\$1,151,735
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	-	---	2	284,500	2	284,500
Service Programs	-	---	-	---	-	---
Total	3	\$161,347	15	\$1,274,888	18	\$1,436,235

## Closing Dates for Selected Sponsored Programs

Proposals must be submitted to the Office of Research and Sponsored Programs ten days prior to the deadline dates listed below.

Agency	Programs	Application Closing Dates		
Council for International Exchange of Scholars	University Lecturing and Advanced Research Abroad	June	1,	1976
Department of Labor	Manpower-Related Doctoral Dissertation Grants	June	1,	1976
Department of Labor	MDTA Research Projects	June	1,	1976
National Endowment for the Humanities	Fellowship and Stipend Programs (independent study and research)	June	1,	1976
National Endowment for the Humanities	Research Programs	June	1,	1976
National Institute for Architectural Education	Lloyd Warren Fellowship	June	1,	1976
National Institute for Architectural Education	William Van Allen, Architect, Memorial Award	June	1,	1976
National Science Foundation	Antarctic Field Research	June	1,	1976
Office of Education	Teacher Corps	June	1,	1976

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# documentation

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## Faculty Senate Journal March 2, 1976

At 7:34 p.m. the chairman, Prof. Paul F. Conway, called the meeting to order in Room 202 of the Center for Continuing Education and requested Prof. Paul Bosco to offer a prayer. Prof. Robert L. Kerby moved, and was duly seconded, that the Minutes of the meeting of Feb. 4, 1976, which had been mailed to each senator, be approved. The motion was passed without dissent.

Conway noted that at its meeting on February 23, 1976 the Academic Council passed, with two textual changes, the motion re Committees on Appointments and Promotions which the senate had passed at its meeting on Feb. 4, 1976. But the recommendation for a University appeals committee was defeated by a large majority. Conway also noted that at the same meeting of the Academic Council its Executive Committee moved:

- (1) That a Standing Committee on the Academic Manual be established,
- (2) That this Committee be charged:
  - a) To receive and consider all proposals for changes in the manual and transmit such proposals, together with the committee's recommendations thereon, to the Academic Council, and
  - b) To recommend to the Academic Council such changes in the manual as the committee deems necessary to keep the manual internally consistent and consistent with legislation passed by the council, and
- (3) That this committee be appointed by the Executive Committee in such manner as to ensure substantial continuity from year to year in its membership

but postponed discussion of this motion to the next meeting of the Academic Council. Conway asked if this motion interfered with the senate's "right of agenda." Prof. James P. Cushing interpreted the text in such a way as to allay this fear. Kerby moved that a letter be written to the Executive Committee of the Academic Council, expressing the senate's concern over this matter. The motion was duly seconded and passed without dissent.

Conway noted two letters: from President Hesburgh, who accepted the suggestion regarding commemoration of the deceased at the baccalaureate mass; from Provost Burtchaeil, who responded to the suggestion of revising the Academic Manual re retired faculty. Conway noted that the Executive Committee of the Faculty Senate met with the Provost Review Committee at the request of its chairman, Prof. James L. Massey.

Prof. William E. Biles, speaking for the Student Affairs Committee, stated that a preliminary report on the grade inflation survey would be circulated before May and that the final report would be submitted in the autumn. He also noted that there had been some discussion of a report on academic performance of student athletes submitted to the committee by Prof. Morton S. Fuchs.

Professional Specialist Alberta B. Ross, chairperson of the Administration Committee, said that the committee has taken no further action since the last meeting of the senate.

Cushing announced that there would be a fourth and final speaker on the collective bargaining issue.

Prof. Bobby Farrow, speaking for himself and for his fellow ad hoc committee member, Prof. Lloyd Sloan, described their considerations to date of the validation, and perhaps of a revision, of the Course and Teacher Evaluation (CTE). There is as yet no evidence for the validity of the present instrument. He commented specifically on a few items which appeared to be both general and subjective. Do teachers benefit from the CTE? What do students think of it? Interviewing has been started. How can the "numbers" which come out of the CTE be made useful to the faculty? Ultimately the committee will probably make some recommendation regarding teacher training. The assumption is being made that the CTE should benefit the teacher by providing him with useful feed-back, rather than allowing someone else to evaluate him. "To find a common denominator for effective teachers is virtually impossible."

Conway referred to the following statement, which had been distributed before the meeting began.

Collective Ranking of Priorities of Objectives  
to be Pursued by the Faculty Senate

On Feb. 12, the chairman of the Faculty Senate sent each senator a list of 11 objectives and asked them to show "... the extent of concern for each of the items on the list ..." by rating each on a descending scale of importance from 5 (highest) to 1 (lowest).

On the basis of the 30 ballots received by the deadline (Feb. 23) each item has scored from 118 to 76 points. Since a certain amount of clustering has been observed we relist here the 11 objectives in the ranked order of importance which you have assigned to them, grouping them into five classes. Immediately before the text of each one the number in parentheses gives the actual score.

1. a. (118) A revision of the appointments and promotions process along the lines of the senate proposal sent to the Academic Council and currently being debated by that body. Also included should be a provision whereby a person cannot be appointed to the faculty, promoted, or given tenure without the approval of the faculty committee on appointments and promotions. Faculty members ought also to have access to their own personnel files. These appointments and promotions procedures should apply uniformly to the teaching and research, library, special professional, and special research faculties.
- b. (118) Establishment of a general grievance procedure structure. This process would apply, for example, to alleged violations of the Academic Manual as well as to appeals from individuals concerning procedural matters on recommendations by departmental Appointments and Promotions Committees.
2. a. (108) A Budget Priorities Committee whose function is to preview upcoming budgets rather than simply to review current and past ones (cf. Senate recommendation on the Budget Priorities Committee).
- b. (106) Definite selection procedures for deans and chairmen whereby such appointments can be made only with the consent of the appropriate faculty committees, also specified terms and reappointment procedures.



3. a. (100) Codification of minimal standards of faculty ethics.
- b. ( 99) Investigation of the situation of surviving spouses of deceased non-retired faculty, and recommendations for the alleviation of their condition.
4. a. ( 96) Improvement of the retirement fund, which would include, among other things, the elimination of the step rate plan by which the University presently contributes to faculty retirement funds.
- b. ( 94) Establishment of definite and binding procedures which must be followed in the discontinuance of an academic department or of an academic program.
- c. ( 91) A university-wide salary scale by rank, with established floors. The scale should not level all salaries, but allow for substantial salary ranges required by differences in ability, productivity, and the realities of the academic marketplace. Merit raises should be given. Funds should also be made available to remove salary inequities produced by past policies. Annual raises should be given to make salaries competitive with peer institutions.
5. a. ( 80) A formal policy on teaching loads.
- b. ( 76) A specific and uniform procedure for determining salaries for summer school teaching.

Conway expressed the opinion that the various items might be assigned to the senate's standing committees after some discussion here. Kerby, referring to (1.a.), said that it presents a problem since it contains four separate items. He asked if it might be helpful to get some idea from the senate of the relative importance of each item before assigning all of it to a standing committee? Cushing replied, "By losing the appeals committee in the Academic Council we lost everything, since all else is window dressing." Prof. Joseph A. Tihen believed that there was some minimal value in what was passed; there is certainly no point in putting the first sentence of (1.a.) back on the floor of the Academic Council. Ross called attention to the second sentence, which "... is far stronger than anything ever proposed to the Academic Council." Cushing asked if "... it is appropriate to send anything to the Academic Council since it does not represent the faculty? Therefore, does Ross' suggestion (the second sentence) have a prayer of being accepted by the Academic Council?" Kerby agreed with Cushing's analysis but believed that it is worthwhile to send items to the Academic Council so that the faculty can make its views known. "We have no alternative." There was considerable further discussion on the relation between the senate and the Academic Council and the possibilities for mutual interaction. Eventually Kerby questioned whether the present discussion was serving the senate's purpose. He reviewed some of the senate's successes in getting items through the Academic Council. "Let's revise and try again to get the 'grievance committee' recommendation through the Academic Council." Kerby moved, and was seconded by Prof. Vincent P. DeSantis, and (1.a.) and (1.b.) be remanded to the senate's ad hoc CAP Committee, and that they prepare a new recommendation to the Academic Council. Tihen thought (1.b.) should not be linked with (1.a.). Kerby rationalized his position. The motion was passed without dissent.

The Meeting was recessed at 8:38 p.m. and reconvened at 8:51 p.m.

Cushing moved, and was seconded by Prof. William D. McGlinn, that the senate charge the chairman to refer the items on the list either to ad hoc committees or to standing committees. Prof. James P. Danehy offered as a friendly amendment, accepted by Cushing, that number (5) be deleted from the list by reason of lowest priority. Kerby argued for referring the items to standing committees for the sake of continuity. The motion was passed without dissent.

Conway reported that the Executive Committee recommends that each candidate for chairman be requested to present a brief statement on his or her views regarding issues and on the functioning of the senate. He added that no motion was necessary: just keep the suggestion in mind. He mentioned the problem of carrying out elections in the colleges so that all newly elected senators could attend the final meeting of this academic year, on May 4.

Conway referred to a statement which had been distributed before the meeting began, the text of which is as follows:

#### Proposals for Amending Bylaws

Article I. The officers shall be a chairman, vice chairman, secretary and a treasurer, each of whom shall be a member of the senate, and who shall be elected singly by secret ballot at the first meeting of the senate held for permanent organization, and thereafter annually at the last meeting of the Academic Year. A majority of the votes cast shall be required for election to each office. In the event that no nominee for an office shall receive a majority on the first ballot, the two candidates with the most numerous votes shall be voted on in a second ballot.

II. Section 1. The committees of the senate shall be an Executive Committee, and standing committees on the administration of the University, on faculty affairs, and on student affairs. The chairman shall annually appoint each member of the senate to one of the standing committees excepting that members of the senate who are also members of the Academic Council will not serve on any standing committee unless they so request.

Section 2. The Executive Committee is composed of the chairman, the vice chairman, the secretary, the treasurer and the chairmen of the three standing committees of the senate. In addition, the chairman of the senate may invite other members of the senate to meet with the Executive Committee when it is deemed necessary. The Executive Committee, under the chairman, is charged with the responsibility of administering the business and activities of the senate.

Section 8. Each standing committee excepting the Executive Committee elects from its membership its own chairman annually, the election to take place at the last meeting of the academic year. The chairman of each standing committee is responsible for calling the first meeting of his committee each year before Oct. 15. The chairman of each standing committee is empowered to appoint from the membership of the full senate whatever ad hoc committees are necessary to conduct the business of the standing committee.

#### Proposed Changes

##### Change #1

Eliminate the first sentence in Article II, Section 8. Substitute one of the following two options:

Option 1 - Change Article II, Section 1 to Article II, Section 1 (a).

Add: Article II, Section 1 (b).

"The chairman of each of the standing committees shall be elected by the members of the senate annually, the election to take place at the last meeting of the academic year. The election procedure shall be the same as that of the officers."  
(Article I)

Option 2 - Article II, Section 1. Add the following sentence:

"The chairman shall appoint a chairman of each of the standing committees annually at the last meeting of the academic year."

Change #2

Section 2. The Executive Committee is composed of the chairman, the vice chairman, the secretary, the treasurer, the chairman of the three standing committees of the senate and the immediate past chairman.

This statement is offered as a recommendation from the Executive Committee. Cushing, speaking to the proposed change 1, favored option 2. Kerby favored option 1 since the Executive Committee consists of seven members, and appointment of three of them by the chairman would "theoretically" allow him "to stack the Executive Committee." DeSantis agreed with Kerby, but Prof. Norman B. Haaser opposed both options: each standing committee should elect its own chairman, some time after the May meeting. Kerby, seconded by DeSantis, moved that option 1 be adopted. Prof. V. Paul Kenney inquired as to the reason for the proposal (change 1)? Is there an implication that the standing committees are functioning ineffectively? Kerby replied that the reason addresses itself only to the means by which the chairmen are chosen; the present method is haphazard rather than deliberate. Kenney was not convinced that either of the options would necessarily correct the situation. The motion was passed, 13 to 4, with several abstentions.

Conway called for discussion of change 2. Haaser approved of the sense of the change but noted a possible difficulty: the immediate past chairman might no longer be a member of the senate, and would be ineligible to serve as a member of its Executive Committee. DeSantis suggested that we continue on the informal basis which has prevailed during the last several years. Kerby argued in favor of formalizing the situation, and DeSantis moved, seconded by Kerby, that "... if still a member of the senate. ..." be added as the end of the sentence. Both the amendment and the main motion were passed without dissent.

Kerby described a suggestion which had been made at a recent meeting of the Student Life Council. As a reaction to this suggestion he moved, seconded by DeSantis, that the senate adopt the following resolution:

Because the quality of education and community at Notre Dame can be significantly improved by the development of congenial on-campus "social space" where students, faculty and administrators may meet informally, the Faculty Senate generally endorses the efforts of the Student Life Council and the vice president of student affairs to provide or improve "social space" on campus.

In recognition of a corollary need to preserve and improve on-campus "study space" where scholarship may be pursued without distraction, the senate opposes conversion of space in Memorial Library from "study space" to "social space."

The motion was supported by assistant librarian Linda L. Hildebrand and by Danehy, and was passed without dissent.

DeSantis, seconded by Kerby, moved that the senate go on record to ask the President of the University to consider giving up the President's Dinner this May and to terminate this event effective in May, 1976. DeSantis saw an incongruity between a local feast and the world hunger situation, concerning which the President has spoken on numerous occasions. Prof. Joseph A. Tihen saw the incongruity but believed that those retiring and those being promoted deserve some ceremony. DeSantis said that there are alternative ways of achieving this goal. Prof. Barth Pollak asked why the motion does not contain its rationale. DeSantis said that it could have been written that way. Kenney spoke in favor of the annual dinner: he "did not wish to be in the position of the Grinch who stole Christmas." His view was supported by Biles and Prof. Vaughn R. McKim. Cushing suggested that the motion with its rationale be circulated among the faculty as a petition. Danehy offered as a friendly amendment, accepted by DeSantis, that the motion be completed with the words "... and that the cost of the dinner be contributed to the World Hunger Coalition." The motion failed by a large majority.

The meeting was adjourned at 9:51 p.m.

Those absent and not excused were: Robert L. Anthony, physics; Hafiz Atassi, aerospace and mechanical engineering; James P. Dougherty, English; Morton S. Fuchs, biology; Gary M. Gutting, philosophy; Leslie H. Martin, English; Sheridan P. McCabe, graduate studies in education; Arthur D. Quigley, electrical engineering; Julian R. Pleasants, microbiology; Robert E. Rodes, law; Thomas L. Theis, civil engineering; Ronald Weber, American studies.

Respectfully submitted,

James P. Danehy  
Secretary  
The Faculty Senate

## **Minutes of the 168th Meeting of the Graduate Council March 8, 1976**

Prof. Robert E. Gordon, the council chairman, called the 168th meeting of the Graduate Council to order in Room 121 Hayes-Healy Center at 3:30 p.m., Monday, March 8, 1976. Not present were Professors Roger Bretthauer (chemistry), Walter Gajda (electrical engineering) and Stanley Hauerwas (theology). Associate Dean Robert Burns represented Dean Isabel Charles (Arts and Letters) and Associate Dean Edward Jerger represented Dean Joseph Hogan (Engineering).

### **I. Approval of the Minutes of the Previous Meeting**

The Minutes of the 167th meeting, Dec. 8, 1975, were unanimously approved as distributed. Once approved by the council, Graduate Council Minutes are published in the Notre Dame Report.

### **II. Report of Nominating Committee for New Graduate Council Members**

The nominating committee: Professors John E. Derwent (mathematics), chairman, William W. Botzum (psychology) and Thomas Blantz (history) nominated Professors Michael Francis (government) and John Borkowski (psychology) to succeed Prof. Robert Vasoli, social science representative and Professors Morton Fuchs (biology) and Anthony Trozzolo (chemistry) to succeed Prof. Roger Bretthauer, science representative on the council. This slate will now be sent to the member colleges for inclusion on their spring election ballots. Members of the Graduate Council serve for three year terms.

### **III. Report of the Review Committee for the Graduate Aerospace-Mechanical Engineering Program.**

Prof. Kenneth Lauer (civil engineering), chairman, Aerospace-Mechanical Quinquennial Review Committee, summarized for the council the contents and recommendations of his committee's report on the Aerospace External Review and the departmental response to it. A copy of Lauer's final report as distributed to the council is attached as the appendix to these Minutes.

The ensuing discussion of this report produced the following suggestions and comments:

1. Where the Council of Graduate Schools' list of reviewers is deemed too short, additional reviewers should be sought from other accredited agencies. For the aerospace-mechanical external review, the CGS list included only nine names, two for Aerospace and seven for Mechanical. So short a list was thought to allow too few alternative review teams.
2. The site visitors' concern with administrative questions deflected their attention from those departmental teaching and research questions on which the department focused in its review document. It was noted that this deflection was probably related to the fact that two of the three site visitors were administrators - a circumstance suggesting that hereafter departments and the Graduate Office should avoid nominating a predominance of administrators for site visitors.

3. In its response to the site report, the department found the site visitors' comments and recommendations, for the most part, too general, hence less helpful for dealing constructively with such recognized problems as tenure impaction or qualitatively improved admissions. Associate Dean Edward Jerger, representing the engineering dean, seconded the Aerospace-Mechanical chairman's impression that the site report provided too few specific suggestions for dealing with already recognized departmental problems in quality student recruitment; possible professional degree programs to serve local industry and expanded interdisciplinary research.
4. To assure primary attention to departmental needs, Margaret Grounds, Graduate Student Union representative and an English doctoral candidate, suggested that site visitors be instructed to deal explicitly in their external report with the particularities of goals, programs, practices and performance presented in the department's Review Document and explored with the faculty and students during the site visit.
5. Prof. Albin A. Szewczyk, department liaison with the Aerospace Review Committee, suggested henceforth separate rather than joint site visitors' reports to assure greater specificity and coverage in these reports. A motion to this effect was passed.
6. As to the site visitors report of some student complaints over course offerings and consequent program structure, it was suggested that tighter concentration and coordination in the deployment of the department's teaching and research resources might end these complaints. In this context of student as well as some isolated faculty complaints, Jerger noted that these are probably and understandably related to successive mergers of Aerospace and Engineering Science programs with the Mechanical Engineering program.
7. Where conflicts develop between the site visitors' recommendation and a department's response, it was suggested that the Graduate Office seek post-visit clarification from the site visitors.
8. In closing this discussion, a council member called attention to unnecessary difficulties arising out of some careless language usages in this site report, e.g., "as it is 80 per cent tenured (not unlike similar situations elsewhere) a constant alertness should be exercised to assure continued productivity of the faculty".

#### IV. Report on the Spring 1976 Graduate Reviews

~ The council secretary, Prof. John J. FitzGerald, reported the following schedule of site visits for the spring 1976 external reviews:

##### 1. PHYSICS: March 22-23, 1976

Review Committee: Prof. Walter J. Gajda, Jr., (electrical engineering) chairman; Prof. Thomas P. Fehlner (chemistry) science division representative; Prof. Sperry E. Darden (physics) department liaison.

Site Visitors: Professors Morton Hamermesh (Minnesota), H.E. Rorschach (Rice) and D.J. Zaffarano (Iowa State).

##### 2. SOCIOLOGY-ANTHROPOLOGY: March 25-26, 1976

Review Committee: Professors Kenneth M. Sayre (philosophy) chairman; Rev. Thomas Blantz, C.S.C. (history), Arts and Letters representative; Prof. Andrew Weigert, department liaison.

Site Visitors: Professors Joseph Casagrande (Illinois), John Useem (Michigan State), Joel Smith (Duke).

### 3. HISTORY: March 31-April 1, 1976

Review Committee: Professors Stanley Hauerwas (theology) chairman; Edward Kline (English), Arts and Letters representative; Robert Kerby, department liaison.  
Site Visitors: Professors Robert F. Byrnes (Indiana), Dewey Grantham (Vanderbilt) and David Shannon (Virginia).

Scheduled for October 1976 reviews are the graduate programs in biology, government and international studies and electrical engineering. Scheduled for March 1977 reviews are the graduate chemistry, theology, civil engineering, history and philosophy of science programs.

#### V. Review of Foreign Language Reading Requirement for Graduate Research Degrees

Again, as periodically in the past, a review of the foreign language requirement for research degrees has been requested. The chairman will appoint, from the council membership, a three-man committee to consider the question and to report to the council at a later meeting. In this connection, the graduate student representative, Mrs. Marilyn J. Lawson, reported a recent discussion of this requirement by the physics graduates. A minority favored retention of the requirement only if language courses of sufficient substance were offered to allow graduates without adequate prior foreign language training to pass the reading proficiency test without, as at present, having to take it repeatedly. The physics faculty was reported to favor the foreign language requirement as a departmental option rather than a requirement of the Graduate School.

#### VI. Report of the Vice President

The chairman reported an increase of 200 graduate applications (16%) over this time last year. He noted a total enrollment for the spring of approximately 1225, with the admission of 146 students at the start of the spring semester. He observed that 66% of the resident degree students were full time as compared to less than 50% nationally. Finally, he commented on the existence of forces pointing toward contraction of student support funds. Short of a pronounced reversal of recent trends, the consequences of this contraction may be expected to become more painfully apparent in support allocations for 1977-78.

Recent conversations with the directors of NSF and an associate director of ERDA indicate continued concern on the part of the federal government for over supply of doctorates. Additionally there is concern for a perceived lack of sufficient broad basic training so as to enable "fungibility" on the part of doctorates. Finally, there is a perceived need in graduate education circles for specialized professional master's degrees serving "non-traditional graduate students" (e.g. in-service adults, and ethnic minorities).

#### VII. Other Business

The Graduate Office alerted the council that a new Graduate Bulletin is due for the 1977-79 biennium. Departments are expected to recast their bulletin material to reflect the results of the quinquennial reviews to date. Final copy for all departments will be due in the Graduate Office by Nov. 15, 1976.

The meeting adjourned at 5 p.m.

John J. FitzGerald  
Secretary

## Appendix

### Report of the Review Committee for the Graduate Programs in Aerospace and Mechanical Engineering, March 1976.

At the request of the University of Notre Dame, the Council of Graduate Schools in the United States provided a list of qualified individuals from which a team was selected by the Aerospace and Mechanical Engineering Department for the review of its graduate programs. The site visit took place on October 29 and 30, 1975. Prior to the site visit the team was provided with a document prepared by Prof. K.T. Yang, chairman of the Department of Aerospace and Mechanical Engineering relative to its graduate programs.

The external members of the review committee were:

M.J. Goglia  
Vice Chancellor for Research  
University System of Georgia

Paul A. Libby  
Department of Aeronautical and Mechanical Engineering Sciences  
University of California, San Diego

Kenneth G. Picha, Dean  
School of Engineering  
University of Massachusetts

The review by the external examiners and the response of the department by Yang can be best summarized under the following headings.

#### I. Program

The review committee concurs with the objectives and goals of the graduate program as outlined by Yang in the original document. They include being sufficiently flexible to remain relevant and sensitive to external forces such as priorities of society. To accomplish this the M.S. and Ph.D. programs were given a broader base by exposing the student to a variety of basic disciplines. This facilitates a multidisciplinary type of approach to problem solving and enables the student to compete better in the job market. Another purpose of the program was to provide relevant research for students and faculty. The review committee also agreed with keeping the main emphasis of the program in the areas of the thermal sciences including fluid mechanics and gas dynamics, solid mechanics and dynamics, and the developing area of systems engineering where there exists a critical concentration of faculty and resources.

The committee commended the department for requiring all students to pursue the M.S. degree and allowing only the superior students to continue on for the Ph.D.

The committee commented on the ever present problem of matching student numbers, course offerings and student programs. They suggested reducing the number of graduate courses available to a reasonable and proper number. This economy of operation would make more students available for fewer courses and would avoid pressuring a student to take courses the faculty want to teach rather than the courses required by his program. In this regard it was pointed out by Yang that all graduate students during the first year of their graduate program submit a list of courses they intend to take in their program and that so far it has not been necessary to ask a student to take a course not listed on his program. It was also pointed out that the College of Engineering has two formal mechanisms to control the number of graduate courses offered by a department. Every graduate course taught must have at least six (6) students unless it is approved by the dean for a specific reason and any graduate course not taught for six consecutive semesters is deleted from the University catalogue. It would be very appropriate for the department to carefully review its course offerings.

## II. Faculty

The committee recognized that there must have been difficulties in combining the Aerospace and Mechanical Engineering Departments and incorporating faculty from what was once the Engineering Science Department. The team feels that most of the "frustrations" resulting from the combination appear to have disappeared. They cited a number of group efforts in this regard. They felt the existence of "loners" was evidence of some lingering "hurts". Yang feels that "loners" may well be the product of inherent personality traits rather than the consequence of combining departments.

The external review committee was impressed with the professional quality and productivity of the majority of the faculty. They point out that being 80 per cent tenured is not unusual and that with careful hiring procedures it will be possible to maintain this viability. The committee felt that untenured faculty need continuing attention as to its professional development either at Notre Dame or elsewhere depending on circumstances and decisions at Notre Dame. Both the dean's office and Yang are well aware of this need and attempt to fill it. Yang meets with the faculty yearly to discuss their status relative to tenure and promotion.

The committee was apparently unaware of the sabbatical leave policy of the University. They emphasized the desirability of its being discretionary and based on demonstrated service of quality and with anticipation of future productivity. They also recommended the use of post doctoral appointments in the department, particularly in the more theoretical areas. The department is aware of this option having had two post doctoral appointments in the department over the past four years.

## III. Students

The external review committee felt that the quality of graduate students available appeared to be less than that which the faculty deserved. They expressed the opinion that with financial support available, good faculty and reasonable facilities, it should be possible to obtain a better mix of graduate students. They apparently feel that part of the problem is that the department relies too much on its own undergraduates and certain feeder schools. The committee is aware of the fact that the department is developing a strong effort for recruiting graduate students.

The committee also questioned the lack of recruiting part-time students from industry. They feel this is a viable source for full-time students once the contact is made. According to Yang, the department has over the years debated the problem of part-time students. At the present time the department has decided to maintain only one program in an effort to keep standards high. The department has part-time students from industry at the present time. Too vigorous a recruiting program might bring in students with more limited backgrounds and an inability to compete properly with the full-time students.

Upon reviewing the procedures employed in the conduct of graduate student programs, the committee feels more consideration should be given to faculty from outside the department and college for student committees. In this regard the basic philosophy of the department is to use the most knowledgeable faculty in the student's field for committee appointments regardless of the departments these faculty members come from. The department should re-study its method of establishing the candidacy and Ph.D. thesis examination committees.

## IV. Miscellaneous

The external committee felt that extramural support and University support are both excellent. The former reflects the respect with which the faculty is held by its peers. The committee feels that the use of internal funds could be better optimized. They feel that some of the TA's could be better used as RA's without compromising the instructional programs at either the undergraduate or graduate levels. The department feels that this latter suggestion is administrative and beyond the jurisdiction of the department. It should also be remembered that some of the TA's service the college core courses. The committee also felt that the free use of computer time is another issue that needs attention. Greater consciousness of computer costs would result from instituting back charges against departments for computer use. The department feels that the free use of computer time by faculty is a very important issue. This generous practice has helped develop an outstanding



group capable of attacking complex problems in the thermal sciences and fluid dynamics area. These pioneering efforts have placed the department in an enviable position regarding a long-term potential of attracting research grants and contracts. The department hopes to offset these costs more and more in the future and in the meantime hopes that the administration will continue its present policy so that its research efforts in this area will be allowed to develop and flourish. Most government agencies require cost sharing by the University for grants and contracts. The use of computer time for this purpose is convenient and effective.

The lack of space was very apparent to the review committee. The availability of \$3 million for an extension to the Engineering Building should alleviate this shortage in the near future.

#### V. Appraisal of the Review Process

The external committee felt that the original departmental report by Yang should have had an overview preface or introduction by the dean of the college to help put the department's role in context with that of the college. They also felt that an overview by the Graduate Studies Office and/or from the provost would have been helpful and enlightening. They also indicated that they would have liked more opportunity to meet individually with the faculty rather than in groups. It might be desirable to have the incoming team express its wishes in this matter during the planning stage.

The department's Graduate Committee considered the entire review process and has made recommendations that should be helpful in future reviews. They include developing a larger list of potential reviewers so that active scholars in the areas of major strength of the department can be selected. If necessary the list should be enlarged and updated to make a proper selection possible. They also suggest that the site-visit schedule should be developed with input from the team and that it should include a private discussion with the dean of the college. A detailed questionnaire developed by the department or Graduate School for the external reviewers would insure proper coverage of vital issues in the reviewers report. This guide is now available for subsequent review teams. Finally it is suggested that the questionnaire used as a basis of the original departmental report be modified to cover both the M.S. and Ph.D. programs because it is impossible to separate them.

#### VI. Comments by the Internal Members of the Review Committee

The external review committee was very complimentary relative to the programs' goals, the areas of major emphasis and the quality of faculty. Unfortunately they did not make any substantial comments relative to the coverage within disciplines, candidacy examination procedures, etc. Their comments were primarily administrative in character. This may have been the results of the fact that two out of three of the external reviewers hold administrative positions.

The following recommendations emerge from a synthesis of the report from the external review committee and the response of the department.

1. The department should restudy its method of establishing its candidacy and Ph.D. thesis examination committees.
2. The department should carefully review its course offerings with a view of optimizing the number.
3. The department should continue its efforts to recruit higher quality students from more diverse sources.

Respectfully submitted,

Charles W. Allen  
Kenneth R. Lauer, Chairman

# Academic Calendar Revision

The Saturday class day in next fall's semester at the University of Notre Dame and Saint Mary's College has been changed from September 11 to October 9, it has been announced by University officials. The change is in anticipation of an ABC-TV Sports announcement that the Notre Dame-Pittsburgh football game, originally scheduled for October 9 at Notre Dame, will be played here on September 11 and televised by the network.

## Fall Semester 1976

Aug. 28-30	Sat thru Mon	Orientation and Counseling for new students.
Aug. 30	Monday	Registration for all students.
Aug. 31	Tuesday	Classes begin at 8 a.m.
Sept. 5	Sunday	Formal opening of the school year with Concelebrated Mass. (Subject to change.)
Sept. 9	Thursday	Latest date for all class changes.
Oct. 9	Saturday*	Special makeup class day. <u>All</u> Friday classes meet.
Oct. 14	Thursday	Midsemester Report of Deficient Students due in Registrar's office.
Oct. 16-24	Sat thru Sun	Midsemester Vacation
Nov. 11-18	Th thru Th	Advance Registration for Spring Semester 1977.
Nov. 25-28	Th thru Sun	Thanksgiving Holiday begins after last class on Wednesday, Nov. 24.
Nov. 29	Monday	Classes resume at 8 a.m.
Dec. 13-14	Mon-Tues	Last Class Days.
Dec. 15-21	Wed thru Tu	Final Examinations. (No Sunday exams.)

### Class Meetings

MWF	42	TT	28
MW	28	TWT	42
MF	27	TTF	42
MTuW	43	TuF	29
MTT	42	TWF	43
MWTh	41		
MTuF	43		
MThF	41		

### Number of Class Days

	Mon	Tues	Wed	Thurs	Fri	Sat	Total
Aug.	0	1	0	0	0	0	1
Sept.	4	4	5	5	4	0	22
Oct.	3	3	3	3	4	1	17
Nov.	5	5	4	3	3	0	20
Dec.	2	2	2	2	2	0	10
Total	14	15	14	13	13	1	70

\* Sat., Oct. 9: All Friday classes will meet on this date.

# Memo on Faculty Recommendations

## Reinhold Niebuhr Award

Dear Faculty Colleagues:

Father Hesburgh and Chancellor Willy Brandt were the first recipients of Reinhold Niebuhr awards sponsored by friends of the Protestant theologian and author. Receiving this award in September 1972 at ceremonies at Union Theological Seminary in New York City, Father Hesburgh announced the establishment of a Reinhold Niebuhr award at the University of Notre Dame. This award is made annually to a student, faculty member or administrator whose life or writings promote or exemplify the lifelong theological and philosophical concerns of Reinhold Niebuhr, particularly in the area of social justice in modern life. The initial award to Father Hesburgh was \$5,000. This he turned over to the Notre Dame endowment to underwrite a cash award of \$250 for the annual winner of this campus honor. Msgr. John Egan was the first recipient of the Reinhold Niebuhr award given at the President's Dinner in May 1973. The 1974 winner was the CILA organization; the 1975 winner was George N. Shuster.

To be certain that no worthy candidate is not considered, the Selection Committee will welcome written nominations for the 1976 award by members of the Notre Dame Family. These recommendations are to be turned in to me by 5 p.m. on Friday, May 7. When you nominate someone, I know the committee would be most appreciative if you would write a short paragraph stating your reason or reasons why you feel that the candidate you sponsor should be considered for this award.

Most sincerely,

William M. Burke  
Assistant Provost

## Faculty Award

Dear Faculty Colleagues:

A popular and prestigious annual award given within the University is the Faculty Award. Established back in the academic year 1927-28 by the Alumni Association, this Faculty Award singles out that faculty member who, in the opinion of his colleagues, has contributed outstanding service to the University of Notre Dame.

Each year a selection committee composed of prior winners and representing the four undergraduate colleges is appointed by Father Burtchaell, provost. This committee studies recommendations submitted by former recipients of this award, by the deans, and by individual faculty members. The 1975-76 Faculty Award winner will be honored at the President's Dinner to the faculty on May 18.

May I cordially invite the faculty to participate in the selection process to honor one of our colleagues. I suggest that you address such recommendations to me, giving reasons in two or three paragraphs why you feel that your candidate is worthy of this award. Such correspondence should reach me on or before 5 p.m. Friday, May 7; the selection committee will meet shortly thereafter to study all recommendations and select the 1976 winner.

Sincerely,

William M. Burke  
Assistant Provost

### Faculty Award Winners (Active)

1945-46 Richard Sullivan  
1959-60 Otto Bird  
1963-64 Raymond Gutschick  
1964-65 Matthew Fitzsimons  
1965-66 Bernard Cullity  
1966-67 John Magee  
1967-68 Rev. Charles E. Sheedy

1968-69 Bernard Waldman  
1969-70 James Massey  
1970-71 Thomas Stritch  
1971-72 Ernest Sandeen  
1972-73 Rev. Ernan McMullin  
1973-74 Robert E. Rodes, Jr.  
1974-75 Herbert E. Sim

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