

notre dame report

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faculty notes

appointments

Victor J. DeCola, an accountant in Restricted Funds Accounting, was appointed Supervisor of Payroll, effective Jan. 1. He succeeded Bro. Rodney Struble, C.S.C., who is moving to a position in General Accounting.

honors

A. Murty Kanury, associate professor of aerospace and mechanical engineering, has been invited to join the Committee on Measurement of Fire Phenomena of the Society of Fire Protection Engineers.

Anthony M. Trozzolo, Huisking Professor of chemistry, has been appointed to the editorial advisory board of Accounts of Chemical Research for the period 1980-82.

R. Brian Walsh, director of the Computing Center, has been elected vice president of CAUSE, the professional association for the development, use and management of information systems in higher education. In addition, the board of directors of CAUSE appointed him to serve as the vice chairman of their 1980 national conference to be held in Phoenix, Ariz., next December.

Kwang-tzu Yang, professor of aerospace and mechanical engineering, has been elected a member of the awards committee of the Mechanical Engineering Division of the American Society for Engineering Education for a three-year term.

activities

Teoman Ariman, professor of aerospace and mechanical engineering, presented lectures on "Lifeline Earthquake Engineering," "Seismic Resistant Design of Buried Pipelines," and "Failure of Lifelines in the San Fernando Earthquake," at the following institutions: Research Institute of Tokyo Gas Company, Tokyo, Japan, on Nov. 19, 1979; the Electric Power Research Institute, Tokyo, on Nov. 21; the

Japanese Society of Civil Engineers, Earthquake Engineering Division, Tokyo, on Nov. 27; the International Institute of Earthquake Engineering, Ministry of Construction, Tsukuba Science City, on Nov. 29; the Department of Civil Engineering, Kyoto University, Kyoto, on Dec. 3; the Disaster Prevention Research Institute, Kyoto University, Uji, on Dec. 4; the Japan Society of Powder Technology, Kyoto, on Dec. 5; and the Department of Civil Engineering, Kobe University and the Japanese Society of Civil Engineers at Kobe, on Dec. 6.

Donald N. Barrett, associate professor of sociology and anthropology, organized and chaired the fall meeting of the Michiana Association of Sociologists and Anthropologists, Nov. 9, in the Continuing Education Center, and also made one of the presentations on Undergraduate Curricula in Sociology/Anthropology. On Nov. 10, Barrett presented a paper, "A Critical Review of Research on Natural Family Planning," to the Mid-West Conference of Natural Family Planning Agencies at St. Joseph Hospital, South Bend.

Walter E. Bartholomew, Manager of Administrative Applications, Computing Center, and Timothy L. Truesdell, assistant director of the Alumni Association, presented a paper, "The Integrated Gift System at Notre Dame," at the 1979 national conference of CAUSE in Orlando, Fla. on Nov. 28.

Jaime J. Bellalta, professor of architecture, delivered a lecture on "Planning for Ruins and Ruins for Planning" at the annual meeting of the Indiana Chapter of the American Association of Landscape Architects at Lafayette, Ind., on Nov. 30, 1979.

A. Robert Caponigri, professor of philosophy, spent the intersemester break as distinguished visiting scholar at the Biblioteca Croce in Naples, Italy under the auspices of the National Endowment for the Humanities. He was investigating the correspondence between Croce and Berenson, eminent art critics of this century.

Theodore J. Crovello, chairman and professor of biology, presented two lectures in the Botany

Volume 9, No. 9

Jan. 18, 1980

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

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Department and the Herbarium at The University of Michigan, Ann Arbor on Dec. 10: "Floristic Analysis of the Brassicaceae in the Soviet Union," and "Errors in Computerized Museum Files."

Ralph M. McInerny, Grace Professor of Medieval Studies and director of the Medieval Institute and the Maritain Center, spoke on "Ritual, Myth, and Art" as part of the Matchette Lecture series sponsored by Catholic University, Dec. 7, 1979.

Thomas V. Merluzzi, assistant professor of psychology, presented two papers at the 13th annual convention of the Association for the Advancement of Behavior Therapy in San Francisco (Dec. 14-16, 1979): "Rational Restructuring versus Desensitization with Clients of Diverse Conceptual Level: A Test of a Client-Treatment Matching Model" (co-authored with Leslie E. Malkiewich), and "Differential Discrimination of Self-Referent Statements by Depressives and Nondepressives" (co-authored with Carol B. Finkel and Carol R. Glass).

Patrice Morliere, research associate in the Radiation Laboratory, presented a seminar, "Pulse Radiolysis of Ni(III) Macrocyclic Complexes," at the National Museum of Natural History, Paris, France, on Dec. 21, 1979.

Ruth Neta, postdoctoral research associate in microbiology, presented a paper, "Genetic Control and Regulation of Interferon Type 11 Release In Vivo in Tuberculous Mice," at the 14th U.S.-Japan Joint Conference on Tuberculosis, Oct. 3-5, 1979 in Denver, Colo. She also co-authored a paper with S.B. Salvin, "Lymphokine Production In Vivo in Tuberculous Mice," which was also presented at the meeting.

Anne-Marie O'Healy, assistant professor of modern and classical languages, gave a paper on Cesare Pavese at the National University in Mexico City on Oct. 11, 1979 and another on Natalia Ginzburg at the Societa Dante Alighieri di Mexico on Oct. 13. O'Healy was a panelist in a special session on "Women Writers in Italy in the 1960s and 1970s" at the M.L.A. convention in San Francisco on Dec. 30.

Timothy L. Truesdell, assistant director of the Alumni Association and Walter E. Bartholomew, manager of Administrative Applications, Computing Center, presented a paper, "The Integrated Gift System at Notre Dame," at the 1979 national conference of CAUSE in Orlando, Fla. on Nov. 28.

Kenyon S. Tweedell, professor of biology, presented a paper, "Initiation of Final Gamete Maturation and Spawning in *Pectinaria Gouldii*," at the annual meeting of the American Society of Zoologists held in Tampa, Fla., Dec. 27-31, 1979.

R. Brian Walsh, director of the Computing Center, gave an invited address, "Management Information Systems--The Need for Leadership and How it Relates to the Auditing Profession," to the

Michiana Chapter of the Institute of Internal Auditors at their Dec. 13, 1979, meeting in Elkhart, Ind.

Eduardo E. Wolf, associate professor of chemical engineering, presented a paper, "The Properties and Activity of a Pt/Cr/Al₂O₃ Catalysts," at the American Institute of Chemical Engineers' annual meeting held in San Francisco, Nov. 25-29, 1979.

Kwang-tzu Yang, professor of aerospace and mechanical engineering spoke on these topics while on a lecture tour of the Peoples Republic of China: "Large-Scale Computing in Fluid Mechanics and Heat Transfer," Shanghai Jisotong University, Shanghai, and "Recent Trends in Engineering Education in the United States," Shanghai Institute of Mechanical Sciences, Shanghai, both on Oct. 6; a three-part lecture series--"Boundary Layer Calculations of Convective Heat Transfer," "Design of Heat Exchangers," and "Recent Advances in Heat Transfer Research," in addition to a special lecture on "Recent Trends in Engineering Education in the United States," all at Xian Jisotong University, Xian, from Oct. 11 through Nov. 13; "Large-Scale Computing in Fluid Mechanics and Heat Transfer," Northwestern Technological University, Xian, on Nov. 3; a two-part lecture on "Numerical Heat Transfer," Hsin Hwa University, Peking, Nov. 16-17; "Numerical Heat Transfer, Part III," Chinese Academy of Sciences, Peking, Nov. 20; and "Recent Trends in Engineering Education in the United States," Hsin Hwa University, Peking, on Nov. 21.

deaths

Rev. John J. Cavanaugh, C.S.C., 14th president of the University, died Dec. 28 at Holy Cross House at the age of 80. The funeral Mass was said Dec. 31 in Sacred Heart Church, with Father Hesburgh delivering the homily (See "Documentation," page 230). Father Cavanaugh served as head of Notre Dame from 1946 to 1952, and his tenure was marked by an emphasis on academic quality. He reorganized the administration to meet the needs not only of physical expansion but of educational mission. He quadrupled the post-baccalaureate enrollment, encouraged some major research entities (such as LOBUND Laboratory, the Mediaeval Institute and the Radiation Laboratory), and enriched the Notre Dame faculty with refugee scholars from Europe. He set up the University's first systematic fund-raising operation, the Notre Dame Foundation, in 1947, and directed its activities for six years after leaving the presidency, in which his term was limited by canon law to six years because the president was also the religious superior. He is survived by a brother, Francis, living in retirement in Holy Cross House.

Archbishop Fulton J. Sheen, 84, L.L.D., 1941, Dec. 9.

advanced studies

information circulars

Additional information on all circulars listed below may be obtained by calling the following extensions:

- Extension 7432, for information on federal government programs.
- Extension 7433, for information on private foundations, corporations and state agencies.

National Institute for Law Enforcement and Criminal Justice Criminal Justice Research Methodology

No. FY80-115

A competitive research program on methodological issues in criminal justice research and evaluation has been announced by the National Institute of Law Enforcement and Criminal Justice. A total of \$500,000 has been allocated to fund research that attempts to improve or increase the methods available to the criminal justice research and evaluation community. Multiple awards, each not exceeding \$100,000, are anticipated.

The due date for proposals will be March 1, 1980.

Council for International Exchange of Scholars Visiting Lecturers from the USSR Under the Fulbright Program — 1981-1982

No. FY80-116

Program:

To enable American colleges and universities to invite Soviet scholars to participate in their academic programs, with emphasis on teaching, rather than research.

Tenure:

Invitations normally should be for a full quarter/semester or academic year. Provision is made for a very limited number of distinguished professor lectureships which can be for four to six weeks.

Financial Provisions:

International travel is provided, but the host institution is asked to support the visiting scholar with an appropriate stipend. When total funding is not possible, the International Communication Agency furnishes a basic per diem grant. However, universities should be prepared to supplement this sum.

Deadline:

All invitations must reach the Council by March 1, 1980.

For further information contact:

Mr. William A. James
Program Officer
Council for International
Exchange of Scholars
Eleven Dupont Circle
Washington, D.C. 20036
Telephone: (202) 833-4990

The Poynter Fund The Poynter Fund Scholarship Fellowship Program

No. FY80-117

Program:

The Poynter Fund Scholarship Fellowship Program is designed to develop better qualified beginners for staff positions with newspapers and other media of mass communications. The scholarships are awarded according to merit, qualifications, dedication and demonstration of aptitude for publishing and broadcasting.

The newspaper career field is broken down into four categories:

1. News writing, editing, broadcasting and administration.
2. Business and administration to include circulation and station management.
3. Creative to include sales, art, layout, promotion and broadcast production.

Stipend:

\$2,000 per academic year.

Eligibility:

Young men and women who have dedicated themselves to careers in newspaper work or broadcasting.

Fellowships:

Graduate fellowships of \$1,000 or more are also awarded.

These must be used for graduate study or travel which will further a newspaper or broadcasting career. Applicants must apply within five years of graduation from college.

For further information and application materials contact:

The Poynter Fund
Personnel Department
Times Publishing Co.
P.O. Box 1121
St. Petersburg, FL 33731

**Institute for the Study of World Politics
The Dorothy Danforth Compton Fellowships
for Minority Group Students of
International Affairs**

No. FY80-118

Program:

Grants to support study at the M.A. and Ph.D levels by members of disadvantaged American minorities preparing at United States universities for careers (in scholarship, government service, business, law or the media) concerned with international affairs.

For further information contact:

Institute for the Study of World Politics
1995 Broadway
New York, NY 10023
Telephone: (212) 580-8635

**Institute for the Study of World Politics
Competition for Fellowships for 1980-1981**

No. FY80-119

Program:

The Institute for the Study of World Politics was established to promote scholarly examination of political, economic and social issues that affect the security, well-being and dignity of the peoples of the world. The institute seeks to encourage studies that will elucidate current world events and trends and may identify measures that will help resolve significant international issues.

Eligibility:

Fellowships are awarded to doctoral candidates conducting dissertation research, but not to graduate students at earlier stages of work, and postdoctoral scholars undertaking special research projects.

Tenure:

Tenure is for periods of from three to nine months, and may include funds for maintenance, tuition and travel.

Additional information:

For additional information, for example, areas of interest, application forms, proposal guidelines, contact the Office of Advanced Studies, Division of Research and Sponsored Programs.

Deadline:

Feb. 1, 1980.

**Institute for the Study of World Politics
The Compton Foundation Population
Fellowships**

No. FY80-120

Program:

Grants to support doctoral and postdoctoral research conducted at United States universities by scholars, government officials or other practitioners (particularly those from third world countries) on political, economic and social determinants of population growth in developing countries.

For further information contact:

Institute for the Study of World Politics
1955 Broadway
New York, NY 10023
Telephone: (212) 580-8635

**Andrew Mellon Postdoctoral Fellowships
University of Pittsburgh**

No. FY80-121

Program:

Six or seven fellowships of \$10,000 for 11 months or \$8,200 for nine months plus travel expenses of up to \$200 for postdoctoral research in the humanities, social sciences and natural sciences. Fellows are expected to spend the entire fellowship period in Pittsburgh.

Deadline:

Jan. 15, 1980.

For further information Contact:

University of Pittsburgh
Andrew Mellon Postdoctoral Fellowships
Cathedral of Learning
Pittsburgh, PA 15260

**Gladys Kriebel Delmas Foundation
Fellowships for Venetian Research**

No. FY80-122

Program:

Predoctoral and postdoctoral grants from \$500-\$10,000

to United States citizens who have some experience in advanced research. For study in the history of Venice and the former Venetian empire in its various aspects -- art, architecture, archaeology, theatre, music, literature, natural science, political science, economics and law. Also for studies related to the contemporary Venetian environment such as ecology, oceanography, urban planning and rehabilitation. Funds will also be available eventually for the publication of certain studies resulting from research funded by these fellowships.

Deadline:
Jan. 15, 1980.

For further information contact:

Gladys Kriebel Delmas Foundation
20 Broad Street
New York, NY 10005

**State of Indiana
Commission for Higher Education
FY1980 Title I-A Community Service and
Continuing Education Program**

No. FY80-123

Program:

Title I-A is a federally funded grant program that is designed to:

1. Strengthen community service programs of colleges and universities by funding project that assist the people of the United States in solving their urban, rural and suburban problems.
2. Support the expansion of continuing education programs of colleges and universities by funding projects that provide skills development and training opportunities for adults.
3. Find ways that combinations of local agencies, institutions and organizations can work together to make better use of and expanded existing community learning resources for adults.

Program Priorities for FY1980:

1. Community Service Program Area - community decision making.
2. Continuing Education Program Area - continuing education for implementation of the rights of the handicapped; family and personal relations; continuing education for private, nonprofit agency personnel; models for health maintenance, consumption and delivery.
3. Resource Materials Sharing Program Area - resources, material sharing.

Proposal Review Schedule:

12/10/79 - 2/15/80	Discussion of Project Ideas with Staff (Optional)
3/3/80	Proposal Submission Deadline
3/10/80 - 5/8/80	Staff and Committee Review
5/9/80	Commission Approval and Award Notification
5/12/80 - 5/30/80	Project Review and Processing of Forms
6/1/80 - 8/31/81	Period Within Which Projects May Operate

For a complete set of guidelines, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433.

**Council for the International Exchange
of Scholars
Fulbright Opportunities Abroad**

No. FY80-124

University teaching opportunities are still available for 1980-1981 in North Africa and Sub-Saharan Africa, as well as in other parts of the world. Areas of interest and their relationship to foreign countries are too lengthy to include in this Information Circular. For a complete listing, contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433.

Also, a number of visiting scholars in the United States have indicated interest in brief lecturing engagements. A special list, with lecture topics, is being prepared and may be obtained by request by writing to:

Mrs. Mary Ernst
Council for International Exchange of Scholars
Suite 300
Eleven Dupont Circle
Washington, D.C. 20036

**Florida Institute of Phosphate Research
Applied Research Program**

No. FY80-125

Program

The state of Florida has authorized the creation of the Florida Institute of Phosphate to issue grants-in-aid payable from the Phosphate Research Trust Fund. The purpose of the institute is to encourage research and development and sharing of information with respect to, mining and processing of phosphate rock and reclamation of mined and disturbed lands in the state of Florida. The institute through the Applied Research Program will fund projects in applied research which tend to solve real problems of the phosphate industry in which the public has a substantial interest.

Areas of Research Funded

- * environmental studies related to radiation and water consumption and other environmental effects of phosphate mining and reclamation
- * reclamation methods that can be applied to phosphate mining and processing
- * methods for more efficient recovery of phosphate and trace minerals from the matrix in the mining and processing industry
- * methods for phosphatic clay disposal and utilization

Funds Available

It is estimated that the institute will have a two and one half million dollar budget. Approximately one million dollars will be available for the applied research program.

Deadline

The program will open for grant applications on or before Dec. 1, 1979. All applications should be received within 90 days after the opening date of the program to be eligible for the Applied Research Program.

Announcement of Award

It is intended that the successful proposals will be publically announced within 120 days of the closing date.

For Further Information

If you would like to apply under this program, please request the Program Announcement and Grant Application Form for F.I.P.R.'s Applied Research Program. The program announcement will contain general application instructions and information about the evaluation criteria that will be used in screening the grant applications.

For more detailed information contact:

Dr. David P. Borris
Executive Director
Florida Institute of
Phosphate Research
P.O. Box 877
Bartow, FL 33830

or call (813) 533-0983.

Exxon Research and Engineering Company Exxon Faculty Fellowship in Solid State Chemistry

No. FY80-126

The Corporate Research Laboratories of Exxon Research and Engineering Company has agreed to sponsor a \$5000 fellowship in Solid State Chemistry in order to stimulate increased activity in this important area of science. The recipient of the fellowship must be a faculty member at an American university who holds a tenure track position and is no more than 6 years beyond the Ph.D. degree. The creation of this new grant will serve to identify Solid State Chemistry as a recognized discipline and encourage greater participation by Americans in this exciting branch of chemistry.

There is to be no restriction on the specific use of the fellowship except that it be used for the direct costs of professional activities associated with advancing our understanding of Solid State Chemistry.

Some research areas naturally associated with this discipline include:

- Nonstoichiometry and Surface Chemistry (Catalysis, Magnetism, Conductivity)
- Preparative Chemistry (Crystal Growth, High Pressure and High Temperature)
- Amorphous and Low Dimensional Solids (Glasses, Small Particles, Polymers)
- Crystal Chemistry (Distortions, Ordering)
- Electrochemistry (Solid Electrolytes and Electrodes, Corrosion)
- Phase Equilibria (Natural Systems, Alloys, Nonmetallic Systems)

Research programs at the interface with other disciplines are of special interest because of the multidisciplinary nature of any research on solids.

This fellowship is to be administered by the American Chemical Society's Division of Inorganic Chemistry through its Solid State Chemistry subdivision. The fellowship will be awarded at the fall ACS meeting in San Francisco and include up to \$350 to help with the recipient's travel expenses. A committee has been created to receive nominations and select the recipient of this fellowship. The committee will consist of the chairman and chairman-elect of the Solid State Chemistry

subdivision, the chairman of the Inorganic Chemistry Division or his designee and two additional members selected by the three elected members. The chairman of the Solid State Chemistry subdivision will chair this committee and receive nominations. These nominations must contain a curriculum vitae, a brief description of current research interests, a publication list and no more than five selected reprints. All nomination material must be postmarked no later than March 1, 1980. Address all nominations for 1980 to: Professor Hugo F. Franzen, Department of Chemistry, Iowa State University, Ames, IA, 50011.

State of Indiana Department of Public Instruction Division of Adult and Community Education

No. FY80-127

Program:

Under the Adult Education Act, P.L. 91-230, the Division of Adult and Community Education will make available approximately \$240,000 for special demonstration and teacher training projects which will benefit adult basic education, and the remainder will be available to conduct programs of instruction.

Deadlines:

- Feb. 12: New special project pre-applications due.
- March 15: Adult basic education programs of instruction pre-applications due.
- March 25: New special project proposals due.
- March 28: Special project continuation pre-applications due.
- May 1: Adult basic education programs of instruction proposals due.
- May 16: Special project continuation proposals due.

Guidelines:

For a summary of guidelines contact the Office of Advanced Studies, Division of Research and Sponsored Programs, Extension 7433. Detailed guidelines will be available at a later date.

Newberry Library National Endowment for the Humanities Fellowships for Research in Residence

No. FY80-128

Program:

Stipends of up to \$18,000 for 11 months' residency (varies according to duration of fellowship and present salary) to established scholars at the postdoctoral level or its equivalent for individual research. Fellows must be in residence for six to eleven months. Applicants may combine grants with sabbaticals or other stipendiary support.

Deadline:

Feb. 1, 1980.

For further information contact:

Newberry Library
Committee on Awards
60 West Walton Street
Chicago, IL 60619
Telephone: (312) 943-9090

Department of Energy
Support of Advanced Coal Research

No. FY80-129

The Office of Fossil Energy in the Department of Energy is interested in receiving research proposals from colleges and universities for research on advanced concepts related to coal conversion and utilization. The purposes of this overall effort are to improve our scientific and technical understanding of the fundamental processes involved in the conversion and utilization of coal, to furnish technical support for ongoing and developing coal conversion processes so as to produce clean fuels in an environmentally acceptable manner and to develop new approaches to the design of future coal conversion and utilization technologies.

In order to develop a focused national and regional program of university research on coal conversion and utilization, the department is particularly interested in research on the following topics:

- * Combustion of coal and synthetic fuels.
- * Coal characterization and specificity as related to liquefaction and gasification processes.
- * The structure and reactions of coal and analysis of its conversion products.
- * Multiphase flow phenomena related to coal conversion processes.
- * Fundamental problems of reactor engineering.
- * Environmental aspects directly related to coal conversion processes and coal utilization.

The Department of Energy will also consider supporting research on other coal related topics if the proposals offer exceptionally pertinent, promising or novel ideas for advancing our knowledge of coal conversion and utilization.

Proposals submitted in response to this notice should be received as soon as possible, and no later than March 1, 1980.

current publications and other scholarly works

ARTS AND LETTERS
HUMANISTIC AND SOCIAL STUDIES

Art

- Porter, Dean A.
D.A. Porter. 1979. Watercolors, 1979. Goshen College. November 4-27.
D.A. Porter. 1979. Watercolors, 1979. Jefferson Galleries, South Bend, Indiana. October 19-28.

English

- Hasley, Louis L.
L.L. Hasley. 1979. James Thurber, artist in humor. *Contemporary Literary Criticism* 11:532-534.
L.L. Hasley. 1979. The Futurists. *Forms: The Review of Anthropos Theophoros* 3(4):29.
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History

- Shaw, Yu-ming
Y.M. Shaw. 1979. Introduction. Pages 3-15 in, W.Y. Wei, ed. *Christian Evangelization and Modern China*. Cosmic Light Publishing Company, Taipei, Taiwan, China.

Philosophy

- Chroust, Anton-Hermann
A.-H. Chroust. 1979. On Master's The Case of Aristotle's Missing Dialogues... *Political Theory* 7(4): 537-543.

SCIENCE

Biology

- Carpenter, Stephen R.
S.R. Carpenter, A. Gurevitch and M.S. Adams. 1979. Factors causing elevated biological oxygen demand in the littoral zone of Lake Wingra, Wisconsin. *Hydrobiologia* 67(1):3-9.
Duman, John G.
J.G. Duman. 1979. Thermal-hysteresis- factors in overwintering insects. *Journal of Insect Physiology* 25:805-810.
J.L. Patterson and J.G. Duman. 1979. Composition of a protein antifreeze from larvae of the beetle. *Journal of Experimental Zoology* 210(2):361-367.
Greene, Richard W.
J.S. Fezy, D.F. Spencer and R.W. Greene. 1979. The effect of nickel on the growth of the freshwater diatom *Navicula pelliculosa*. Pages 131-137 in, K. Mellanby, ed. *Environmental Pollution*. Applied Science Publishers Ltd., Essex, England.
Saz, Howard J.
R. Komuniecki, P.R. Komuniecki and H.J. Saz. 1979. Purification and properties of the *Ascaris* pyruvate dehydrogenase complex. *Biochimica et Biophysica Acta* 571:1-11.

Chemistry

- Creary, Xavier
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Trozzolo, Anthony M.
*K.C. Wu and A.M. Trozzolo. 1979. Production of singlet molecular oxygen from the O₂ quenching of the lowest excited singlet state of rubrene. *Journal of Physical Chemistry* 83(22):2823-2826.

* Under the Radiation Laboratory

Microbiology

- Pollard, Morris
*M. Pollard, B.A. Teah and P.H. Luckert. 1979. The development of tumor model systems in germfree rats. Pages 321-324 in, Fliedner et al., eds. *Clinical and Experimental Gnotobiotics*. Gustav Fischer Verlag, Stuttgart, New York.

* Under the Lobund Laboratory

Physics

- Funk, Emerson G.
J.G. Fleissner, E.G. Funk and J.W. Mihelich. 1979. In-beam γ -ray studies of $^{151}\text{Dy}(N=85)$. Physics Review C 3:20.
- Mihelich, John W.
J.G. Fleissner, E.G. Funk and J.W. Mihelich. 1979. In-beam γ -ray studies of $^{151}\text{Dy}(N=85)$. Physics Review C 3:20.

ENGINEERING

Chemical Engineering

- Varma, Arvind
A. Varma. 1979. Mathematical methods in chemical engineering. Chemical Engineering Education 13: 184-188.
- P. Varghese and A. Varma. 1979. Catalytic reactions in transport-line reactors. Chemical Engineering Science 34:337-343.
- A. Varma and A.L. DeVera. 1979. Dynamics of selectivity reactions in isothermal CSTRs. Chemical Engineering Science 34:1377-1386.
- C.J. Pereira and A. Varma. 1979. Stability of the steady states and transient behavior for a nonisothermal biomolecular Langmuir-Hinshelwood reaction. Chemical Engineering Science 34:1187-1193.
- A.L. DeVera and A. Varma. 1979. Substrate-inhibited enzyme reaction in a tubular reactor with axial dispersion. Chemical Engineering Science 34:275-278.
- A.L. DeVera and A. Varma. 1979. Yield optimization for the Van de Vusse reaction. Chemical Engineering Journal 17:163-167.
- C.J. Pereira, J.B. Wang and A. Varma. 1979. A justification of the internal isothermal model for gas-solid catalytic reactions. AIChE Journal 25: 1036-1043.
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Civil Engineering

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Z. Razzaq and T.V. Galambos. 1979. Biaxial bending of beams with or without torsion. Journal of the Structural Division 105(ST11):2145-2162.
- Z. Razzaq and T.V. Galambos. 1979. Biaxial bending tests with or without torsion. Journal of the Structural Division 105(ST11):2163-2185.

BUSINESS ADMINISTRATION

Accountancy

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- Powell, Ray M.
R.M. Powell. 1980. Budgetary Control Procedures for Institutions. University of Notre Dame Press, Notre Dame, Indiana. 333 pp.
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D.L. Knutson, L.M. Marquis and D.N. Ricchiute. 1979.

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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.

<u>Agency</u>	<u>Programs</u>	<u>Application Closing Dates</u>
National Science Foundation	Public Service Science Residencies and Internships (centers)	February 28, 1980
National Science Foundation	Undergraduate Instructional Scientific Equipment	February 29, 1980
Office of Education	Basic Skills Improvement in the Schools	February 29, 1980
Office of Education	Basic Skills Out-of-School Improvement Program	February 29, 1980
Office of Education	Basic Skills Parent Participation Program	February 29, 1980
Office of Education	Media Research and Training for the Handicapped	February 18, 1980
Office of Education	Media Research, Production, Distribution and Training Grants	February 18, 1980

documen- tation

eulogy for rev. john j. cavanaugh, c.s.c.

(Homily delivered by the Rev. Theodore M. Hesburgh, C.S.C., President, University of Notre Dame, at the funeral of Rev. John J. Cavanaugh, C.S.C., Sacred Heart Church, Dec. 31, 1979.)

We are gathered here on this last day of the '70s and the eve of the '80s to pay our final respects to one of the all-time great men of Holy Cross and Notre Dame, our good friend and colleague, Father John J. Cavanaugh. This is, as he was fond of saying, a melancholy duty, although I must confess that I do not really feel melancholy about it. As St. Paul says in the reading to the Romans, each one of our lives is a kind of sermon. "The life and death of each of us has its influence on others." (Rom. 14.7) Father John has left us all a good sermon of a life lived for more than 80 years. About that, even as we celebrate his coming home safely to harbor, we might better feel happy today, inspired and especially grateful. I am sure his brother, Father Frank, joins us in this.

John's life began on anything but a promising note. His father died at an early age so that John became the breadwinner of the family and went to work on the railroad in Owosso, Mich., instead of going to high school. However, that early sacrifice was to be characteristic of his whole life: it was his duty, however difficult, and he did it. He did manage to learn shorthand and typing, somehow, and before long, again, characteristically Cavanaugh, we find him in secretarial service to the senior Henry Ford. Then he learned that a namesake of his, Father John W. Cavanaugh, was president of the University of Notre Dame. Somehow again, John dickered with him for a four-year scholarship to Notre Dame in exchange for two previous years of secretarial service. When the time came to begin college, two years later, John confessed to the astonished President that he had never attended high school. Again he proposed a unique deal: if he ever failed to achieve less than 90 per cent in any course, he would consider that he had forfeited the scholarship. Not only did he graduate with highest honors, but was elected president of his class.

The local Studebaker Corporation eagerly employed him. Again, through exceptional performance and fortuitous circumstances, he became an officer of the company within two years. Despite this quick success, something was nagging at him, deep within. Studebaker President Paul Hoffman told me in later years that John came into his office one day, after a successful nation-wide advertising tour, and confided to him that he was considering becoming a priest. Paul said to me jokingly, "I strongly encouraged him to give it a try. Before long, otherwise, he would have had my job."

His old boss, Father John Cavanaugh, knew him well and gave him some sage advice as he left for the novitiate, across the lake, on campus, in 1925. "Remember, John, you're joining a religious community, not founding one; don't try to change everything over there next week." I'm sure the years of preparation passed all too slowly for him, especially repeating the course of philosophy, obtaining a master's degree in English, and doing four years more of theology in Washington. Even so, once ordained, he was assigned to study for a graduate

degree in philosophy at the Gregorian University in Rome. Following him there, many years later, I found that he was still a legend in the Holy Cross House on Via dei Cappuccini, 19.

Studies finally completed, he returned to teach at Notre Dame in 1933 and to succeed Father John O'Hara (later to be President and Cardinal) as prefect of religion, the then archaic French title for student chaplain. Finally, his priesthood and facile pen were fully at work, but seven years later, he found himself vice president to Father J. Hugh O'Donnell who presided over the University during the war years. In 1946, John was back in the office where he began as a secretary at Notre Dame, this time to begin the usual six years of presidency. Under his brilliant and imaginative leadership, these were to be absolutely key years in the long history of the University's upward march from a log cabin by a frozen lake to a world renowned institution of higher learning. Through his participation on federal commissions, he brought Notre Dame into national recognition beyond football, although those were national championship years as well. He sought excellence in everything: graduate studies and advanced research institutes, a revitalization of the liberal arts through a Great Books program which still flourishes, a revamping of the University administration by five new vice presidencies, and acquiring the resources to do it all by creating a Notre Dame Foundation which in the next 25 years was to raise over \$200 million and bring the University's endowment to 19th among American private universities. He admirably continued this latter endeavor for many years after leaving the presidency. His last years of service saw the wheel come full round, as he once again was a campus minister, this time to the young women at Saint Mary's...and to their boyfriends, who also sought his counsel.

These are the bare facts of his life, but the substance of his life's sermon shines through the kind of person he was. I had my first personal indication of this when, as a very young priest, I was protesting his invitation that I join him in administration. "It isn't all that bad," he said, "administration is mainly making good decisions." "But how do you learn how to do that?" I questioned. "Quite easy," he said with that irresistible Irish charm that sparkled from his eyes, "just decide what is the right and just and best thing to do, and then do it, no matter what it costs, no matter if it makes you very unpopular, no matter how difficult it will be to make it stick." The key word here, which he personified, is integrity. I soon had occasion, as his executive vice president, to put this advice to the test. He had given me, as a first assignment, the task of restoring good management to a University operation that involved a world famous person, whereas I was an unknown newcomer, terribly young and inexperienced. I put this advice to work and an explosion was about to occur. Walking into his office, I put it to him "We're at the crossroads, and if he doesn't comply, either he goes or I go." Again, with a twinkle in his eye that did not really hide his steely conviction, he calmly said: "Very simple. What you propose is the right thing to do. Either he complies, or he goes." I can now confess that I breathed a sigh of relief when the famous person complied, but I also learned what it means to practice integrity, whatever the cost.

So many things one learned from him. The value of sobriety; the need to simplify complicated situations by cutting through to the essential core of what was really important; the importance of being human and humane; not to bear grudges, or feel self-important; to be one's self, even in the company of the powerful; never to compromise one's convictions, whatever the cost; cherishing intelligence and being determined to use one's freedom well, never bartering it, again whatever the cost. He was a superlative teacher, just by being what he was. He never postured, he never lost his temper, even though he felt strongly on most important matters, he never took advantage of his position to humiliate others, even if they deserved humiliation. And when someone was dead wrong, he didn't tell them so, he just asked them a simple question that could not be honestly answered without the truth of the matter making the point, without humiliation. With all of this, he was quintessentially a warm, generous, and devoted friend who demanded much and gave much more.

His gift of friendship transcended Notre Dame and even Catholicism. His priestly concern touched the preeminent educators of his time, Robert Hutchins and Mortimer Adler, as well as great families like the Kennedys, whose patriarch father, Joseph, was a trustee and dear friend of John's. It was he who brought the family consolation with a dawn Mass in the East Room of the White House after the horrible day of assassination. Tom Watson of IBM, now United States Ambassador to Russia, told me that John was one of the three men he most admired in life and who can speak of the host of Notre Dame alumni who were the beneficiaries of his priestly ministrations during their college years and in life's later crises.

I have never met anyone quite like John Cavanaugh, and I suspect that I never will, even though it would be a wonderful pleasure. I know something of the enormous temptations to which he was submitted. He did not fight them frontally or heroically; he simply brushed them off because they did not square with the commitments he had made in his youth when he conscientiously took "the path less traveled by." He put Notre Dame on the high road. Like his dear friend and trustee, Bernard Voll, he felt deeply that this place had a

rendezvous with destiny. All of us, in the years following his presidency, have been simply trying to realize his dreams, following in the path he pioneered. Now that he is no longer here to cheer us on, I am sure that he will continue to help and sustain us from on high, where he has met the Master he loved and served so well, whose vision he now enjoys face to face. And of one reality I am also profoundly certain, that he has met a lovely lady called Notre Dame. How She must have welcomed a good and faithful friend whose whole life has been dedicated to Her honor, in a place that bears Her name, and thanks to whose inspired efforts, is now more worthy of the beauty, the grace, and the wisdom of the Mother of God. In this holy season, when he has left us and joined Mother and Son, may he call upon them to shower upon us, and Her University, the peace and joy that he now enjoys in their company.

Honorary Pallbearers

Jerome J. Crowley
Robert E. Dowd
Louis J. Finske
Dr. Charles A. Hufnagel
John J. Kean
John F. O'Shaughnessy
Charles M. Reagan

Pallbearers

Joseph Gargan
Judd Leighton
Daniel A. Manion
James R. McCaffery
Christopher J. Murphy II
William H. Voll

faculty committee for university libraries minutes december 10, 1979

Present:

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

The minutes of the Nov. 19, 1979 and Dec. 3, 1979 meetings were unanimously approved for publication.

Lucey brought to the attention of committee members the Faculty Senate's recommended statement regarding the composition of membership on a search/review committee for a director of libraries, which is to be submitted to the Academic Council. A lengthy discussion included the following: (1) that the present 11 members of a search/review committee is somewhat cumbersome, but it was recognized that the search committee for the director of libraries seemed to have been the most efficient of any search committee in the recent past; (2) that the provost should serve as chairman since the reporting senior is proposed in this capacity on all other search committees; (3) that the director of libraries position has immediate impact on both the library faculty and staff and the teaching and research faculty and this should be reflected by a balance in the membership; (4) that the membership from the teaching and research faculty be chosen from among the Faculty Committee members since they have already been elected by their colleagues; and, (5) that Lucey convey to the provost a suggested amendment to the Faculty Senate's recommendation. It was moved, seconded and approved unanimously that the amendment should be revised as follows: "The library faculty elects two members from the library faculty, the library staff elects one member from the library staff, and the Faculty Committee for University Libraries elects three members from the Faculty Committee for University Libraries."

Miller asked committee members for their general reaction to the meeting and presentation by Jeff Gardner of the Office of Management Studies of the Association of Research Libraries regarding the Collection Analysis Program. Consensus of committee members is that the program would be valuable if the libraries can obtain funding (through the diversion of allocated funds, special funding from Endowment C, etc.) and if no additional staffing will be required to pursue the program. It was moved, seconded and unanimously passed: "that the committee supports the director of libraries in initiating the Collection Analysis Program in the 1980/81 fiscal year."

Miller announced that the provost recently addressed the library faculty and staff. The provost spoke briefly and candidly about faculty salaries, graduate student stipends, the University's noncompetitive position on staff salaries, and the University libraries in general.

The next meeting is scheduled for Tuesday, Dec. 18, at 9 a.m. It is intended that a full discussion of the five-year development plan be concluded.

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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.

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