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UNIVERSITY OF
NOTRE DAME

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COLLECTION

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March 29, 1974

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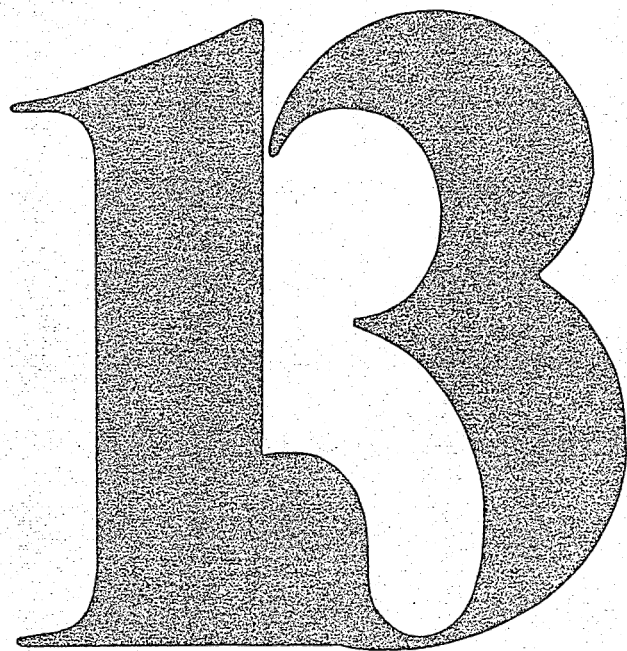
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the university

Support for Concordia Seminary

Support for the suspended president of Concordia Seminary in St. Louis and for striking faculty and students of the Lutheran Missouri Synod institution has come from the Notre Dame theology faculty.

A statement signed by 22 of 30 full-time professors in the Department of Theology notes that many of Concordia's problems are unique to American Lutheranism "but when theological scholarship is suppressed, men and women driven from their classrooms, we are all hurt whatever our academic or ecclesiastical affiliation. Many of the members of this faculty

are known and respected members of the scholarly community...We deplore that they have been removed from their positions without due cause or due process and that their voices have been silenced."

The seminary, which trains pastors at the graduate level for the synod's congregations and missions in the United States and 35 other countries, has been closed since the middle of February following the suspension of its president, Dr. John Tietjen, on grounds of teaching false doctrine and malfeasance. Forty-three of 48 faculty members supported Tietjen and were fired after leaving their classrooms in sympathy. The vast majority of students have also left the institution to continue studies "in exile" at two St. Louis seminaries. The long-simmering dispute is between a liberal wing of the synod, represented by Tietjen, and more conservative elements who govern the three million member branch of American Lutheranism.

faculty notes

University appointments

Leo R. Judy, director of operations at the computing center, has transferred to the Office of the Dean of Administration where he has accepted a newly created position within that office. He will be the Director of Management Information Systems for the University and will coordinate the development of administrative operating systems which, in turn, will feed into the Management Information System.

Non-university appointments

Dr. Kenneth P. Jameson, assistant professor of economics, has been awarded a Fulbright-Hays award in economic development, as announced by the Council for International Exchange of Scholars. The award is for lecturing in Peru.

Timothy H. Poley, assistant to the coordinator of analytical studies in the Office of the Dean of Administration, has been appointed to the advisory group for Information Exchange Procedure for the National Center of Higher Education Management Systems at Boulder, Colo.

Dr. Jerome Novotny, professor of aerospace and mechanical engineering, has been appointed to a four-year term to the National Heat Transfer Conference Coordinating Committee of the American Society of Mechanical Engineering. His specific responsibility is being the Program Chairman for the 1976 National Conference.

Dr. Kwang-Tzu Yang, Chairman of the Department of Aerospace and Mechanical Engineering, has been appointed to the Honors and Awards Committee of the Heat Transfer Division of the American Society of Mechanical Engineers. He will serve a three-year term.

Miscellany

Dr. Hafiz Atassi, assistant professor of aerospace and mechanical engineering, presented a paper on March 5 at a meeting in Ann Arbor, Mich. sponsored by the Office of Naval Research and Aircraft Propulsion. His paper was entitled "Nonlinear Unsteady Airfoil Theory."

Dr. Robert Betchov, professor of aerospace and mechanical engineering, presented a seminar at Tri-State College, Angola, Ind. in the Department of Mechanical Engineering. His talk was "Science in the U.S.S.R."

Dr. W. J. Heisler, assistant professor of management, conducted a seminar entitled "Organizations: Structure, Impact, Purposes," at the U.S. Interagency Executive Development Center, Oak Ridge, Tenn. March 6.

Dr. Kwan S. Kim, assistant professor of economics, was invited to deliver a paper entitled "Developmental Effects of Japan's Recent Foreign Investment in East and Southeast Asia" at a seminar sponsored by the International Council at State University of New York at Buffalo, on March 8.

Dr. John O. Meany, associate professor of Graduate Studies in Education, gave a workshop on "Emotional Life and Prayer" in Chicago, Ill. on March 9-10 for the Personal Growth Commission of the Holy Cross Brothers Center.

Dr. Thomas J. Mueller, professor of aerospace and mechanical engineering, has been named an AGARD Lecturer in Fluid Mechanics by the Advisory Group for Aerospace Research and Development of the North Atlantic Treaty Organization and will present lectures describing his research at Notre Dame to the following NATO research groups: (Italy) Institute of Aerodynamics, University of Naples, Aeritalia, and Spaziale del Politecnico de Torino; (France) National D'Etudes Et De Recherches Aerospatiales; (Netherlands) National Aerospace Laboratory, Technological Laboratory Defense Research Organization, and Delft University; (England) Queen Mary College, University of London and British Aircraft Company; (Germany) Institut fur Angewandte Gasdynamik DFVLR. AGARD lecturers are chosen for their international reputation and significant contributions to their research field. Dr. Mueller is on leave from the University for the academic year 1973-74 and is studying in Belgium at the von Karman Institute for Fluid Dynamics.

Dr. Tom Sasaki, professor of sociology and anthropology, was elected to the Executive Committee of the Society for Medical Anthropologist of the American Anthropological Association for a three year term.

Dr. James E. Ward, associate professor of history, presented a lecture at Cornell College, March 14, sponsored by Cornell's History Department. His topic was "1789: France in Revolution."

office of advanced studies

Information Circulars

National Endowment for the Humanities Change in Fellowships and Research Grants Programs

No. FY74-89

The Endowment has since its establishment supported in both its Fellowship and Research Grant programs a variety of scholarly work conducted by individual humanists. The line between the two programs as regards one-man projects was never precisely defined, although the guidelines emphasized "personal development" in the Fellowship program, and "contributions to knowledge" in Research Grants. Thus, many fellowship projects recommended for support could have been funded through the Research Grants Division and vice-versa. However, because of increasing emphasis in NEH Research Grants on research tools and other large-scale projects of scholarship, applications for one-man research efforts have increasingly been routed to the Fellowships Division.

The National Council on the Humanities has now recommended that support for all individual research work be provided only through the Fellowship program. The effects of this change will be as follows:

1. Beginning this spring, eligibility for Endowment fellowships will be broadened to include any kind of individual scholarly investigation. At the same time, applications for support of essentially one-man projects will no longer be considered under the Endowment's Research Grants program; such as are received by that program will be transferred to the Division of Fellowships.

2. The distinction between the kinds of activities eligible for support by each program will be sharp. The Fellowship program will provide funds to free the time of individual scholars for full-time study or research for up to one year, and fellowships may also include support for a small amount of travel. Research Grants, on the other hand, will support projects which involve more than a single investigator and/or sub-

stantial expenses for research assistants, secretarial or clerical services, equipment, or materials. Fellowship applicants will continue to apply directly to the Endowment, while Research Grant applications should continue to be made through applicants' institutions.

3. Application for one-man research projects being prepared for the next Research Grants deadlines (May 6, November 18, 1974) should be submitted instead to the Fellowships Division under its deadlines of June 17 (notification in November) or October 15 (notification in March 1975).

An increasing number of worthy individual applicants to the Research Division recently have failed of support because of the priority there for major, often multi-year research enterprises. The Endowment hopes this new policy will make competitions more equitable for all applicants.

For further information, contact the Office of Research and Sponsored Programs, Extension 7378.

National Institute of Health Mass Spectrometry Resources

NO. FY74-90

The Division of Research Resources, NIH, is currently funding nine mass spectrometry centers for the further development of mass spectrometric techniques for biomedical analyses and for increasing the availability of these resources to National Institutes of Health grantees. Faculty members who are interested in making use of the resources of these spectrometry resource centers may obtain a listing of the centers from the Office of Research and Sponsored Programs, Extension 7378.

American Dental Association A Program in Dental Research for College Students

NO. FY74-91

The Council on Dental Research, American Dental Association, the American Association of Dental Schools and the National Institute of Dental Research sponsor a program which provides the opportunity for pre-baccalaureate college students to spend a period of at least ten weeks during the summer in the laboratories of dental scientists throughout the United States. Research experience and an orientation to dental research are offered in such fields as anatomy, anthropology, behavioral and social sciences, biochemistry, cancer research, crystallography, electron optics-scanning and transmission microscopy, embryology, genetics, metallurgy, microbiology, microprobe analysis and X-ray diffraction techniques, pathology, pharmacology, physiology, polymer chemistry, radiation biology and many other fields.

Objectives

1. To select promising college science students for participation in dental research.
2. To acquaint selected students with the challenging scientific problems in oral health research.
3. To supplement the education and training in the environment of dental research laboratories at recognized educational and research institutions.
4. To provide an appreciation of the problems in dental research for students who eventually choose other areas of science for a career.

Philosophy

Adhering to the philosophy that education and training in scientific research should be "custom-tailored" to the needs, interests and competence of each individual as nearly as possible, no fixed research program is required. Emphasis is placed on providing experience in scientific investigation and orientation toward dental research. Seminars or lectures of interest may be attended, but the student may not take formal courses for college credit.

Mechanism

Students may have specific research projects which they wish to explore, or they may assist in current projects being conducted in the laboratory of the host scientist. Upon completion of the program, each participant is

invited to a conference at which informal reports on the summer activities are presented and discussed. Each participant is asked to provide the program director with a résumé of his activities for the summer at that time. To acquaint students with the depth and breadth of dental research each participant will receive a subscription to the Journal of Dental Research, Archives of Oral Biology or Oral Research Abstracts.

Selection

Forty students will be selected for the 1974 program and 15 will be designated as alternates. Selection will be made by a committee of scientists and educators on the basis of scholastic ability, interest in a scientific career, scientific aptitude, and demonstrated initiative and leadership. Interested students should submit:

1. A completed application form
2. College transcripts to:

The Council of Dental Research of the American Dental Association by April 15, 1974.

Placement

If a student indicates an interest in a general field of research he will be placed in a laboratory in this field without regard to the specific type of research being conducted. The student may be placed in a research facility anywhere in the United States. If there are reasons why the student must be located in a particular geographic area these reasons must be stated in the application.

Financial Support

Each participant will receive a stipend of \$1,000. Transportation will be paid as necessary from his home or his college to the research institution to which he will be assigned, and to a four-day post-session conference and return to original starting point.

For further information and applications contact the Office of Research and Sponsored Programs; extension 7378.

Current Publications And Other Scholarly Works

ENGINEERING

Electrical Engineering

Gabriel, G.J.

- *G.J. Gabriel. 1974. Intrinsic and extrinsic statistical dependence in photoemission. Physical Review A 9(2):976-988.

*Under the Radiation Laboratory

SCIENCE

Chemistry

Bottei, Rudolph S.

- *R.S. Bottei and R.G. Schneggenburger. 1973. A spectrophotometric study of group IVA metal complexes of naphthazarin formed by the oxidation of β -hydronaphthazarin. Journal of Inorganic and Nuclear Chemistry 38:2595-2600.

Danehy, James P.

- J.P. Danehy and C.W. Zobritsky. 1974. Iodometric method for the determination of dithionite, bisulfite, and thiosulfate in the presence of each other and its use in following the decomposition of aqueous solutions of sodium dithionite. Analytical Chemistry 46:391-395.

Hamill, William H.

- *K. Hiraoka and W.H. Hamill. 1973. Characteristic energy losses by slow electron impact on thin-film alkanes at 77°K. Journal of Chemical Physics 59(11):5749-5757.

Magee, John L.

- *J.L. Magee and J-T. J. Huang. 1974. Reply to the comment by B. Brocklehurst and T. Higashimura on "Triplet formation in ion recombination in spurs". Journal of Physical Chemistry 78:310.

Martinez-Carrion, Marino

- M. Martinez-Carrion and M.A. Raftery. 1973. Use of a fluorescent probe for the study of ligand binding by the isolated cholinergic receptor of Torpedo Californica. Biochemical and Biophysical Research Communications 55(4):1156-1164.

Mozumder, Asokendu

- *A. Mozumder. 1972. Stopping, scattering and penetration of low-energy electrons in water. Pages 1123-1132 in J. Dobo and P. Hedvig, eds. Proceedings of the Tihany, Hungary, Symposium. Akademiai Kiado, Budapest.

Thomas, J. Kerry

- *A. Kira and J.K. Thomas. 1974. Equilibria between triplet states of aromatic hydrocarbons. Journal of Physical Chemistry 78(2):196-199.

- *M. Chen; M. Gratzel and J.K. Thomas. 1974. Photochemical reactions in micelles of biological importance. Chemical Physics Letters 24(1):65-68.

- *P.P. Infelta, M. Gratzel, and J.K. Thomas. 1974. Luminescence decay of hydrophobic molecules solubilized in aqueous micellar systems. A kinetic model. Journal of Physical Chemistry 78(2):190-195.

*Under the Radiation Laboratory

Mathematics

Nagano, Tadashi

- T. Nagano and K. Yagi. 1973. The affine structures on the real two-torus. I. Bulletin of the American Mathematical Society 79(6):1251-1253.

Physics

Biswas, Nripendra N.

- N.N. Biswas, N.M. Cason, V.P. Kenny, and W.D. Shephard. 1973. Isospin analysis of the reactions $\pi^+p \rightarrow \pi(N\pi)$ at 8 GeV/c and comparison with the results at 16 GeV/c. Aachen-Berlin-Bonn-CERN Collaboration and Notre Dame-Pennsylvania-Tohoku Collaboration. Nuclear Physics B66:93-105.

Browne, Cornelius P.

- H. Stocker and C.P. Browne. 1974. Isobaric spin violation in the reaction $^{10}\text{B}(d,d^1)^{10}\text{B}$. Physical Review C9:102-115.

Cason, Neal M.

- N.M. Cason, P.J. Stuntebeck, N.N. Biswas, V.P. Kenny, and W.D. Shephard. 1974. Factorisation in the inclusive reactions $\pi^+p \rightarrow A+X$ and $K^+p \rightarrow A+X$. Rutherford, Notre Dame, Ecole, Polytechnique, Saclay Collaboration. Physics Letters 48B:151-154.

Poirier, John A.

- A.J. Lennox, J.A. Poirier, C.A. Rey, and O.R. Sander. 1974. The energy dependence of backward π^+p elastic scattering from 2 to 6 GeV/c. NAL-ANL-Notre Dame Collaboration. Physical Review Letters 32:251-253.

LAW

Chroust, Anton-Hermann

- A.-H. Chroust. 1974. Internationale verträge in der antike: Die diplomatischen verhandlungen zwischen Hannibal und Philipp V. von Makedonien. Pages 275-334 in G. Christ, Hannibal, Wege der Forschung. Wissenschaftliche Buchgesellschaft, Darmstadt, West Germany.

ARTS AND LETTERS
HUMANISTIC AND SOCIAL STUDIES

Education

Meany, John O.

R.J. Loftus, P.T. Sciortino, and J.O. Meany.
1974. An Analysis of the Secondary School
System of the Sisters of Providence. Loftus
Associates, Homewood, Illinois, 134 pp.

English

Gutierrez, Donald

D. Gutierrez. 1973. The pressures of
love: Kinesthetic action in an early
Lawrence poem. Contemporary Poetry
1(2):6-20.

History

Gleason, J. Philip

J.P. Gleason. 1973. Coming to terms with
American catholic history. Societas
3(4):283-312.

Sociology and Anthropology

Liu, William T.

W.T. Liu and I.W. Hutchinson. 1974. Con-
jugal interaction and fertility behavior:
Some conceptual problems in research.
Pages 27-43 in F. Beam and T.Y. Yuan, eds.
Family and Fertility. E.J. Brill, Hol-
land.

Theology

Ford, J. Massyngberde

J.M. Ford. 1974. A wake service. Liturgy
19(2):19-22.

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.

<u>Agency</u>	<u>Programs</u>	<u>Application Closing Dates</u>
International Research and Exchanges Board	Grants for Collaborative Projects	April 30, 1974

Mr. Anton C. Masin
Memorial Library
Notre Dame, IN 46556

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Mary Catherine Stevens, Editor
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