

'76-'77

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contents

February 18, 1977

the university

- 267 Allegations Denied
- 267 Blood Station to Reopen
- 267 New Library Collections
- 267 Cantus Victoralis

faculty notes

- 268 Honors
- 268 Activities

office of advanced studies

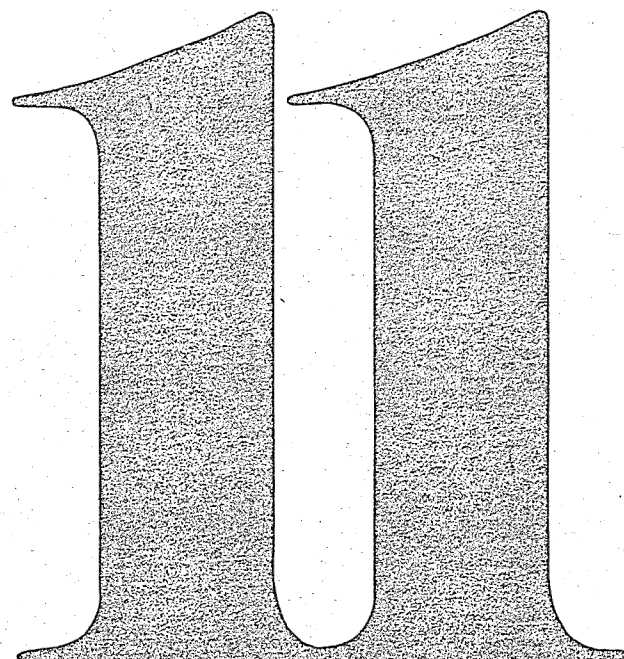
Information Circulars

- 270 North Atlantic Treaty Organization Fellowship Program - 1977 Public Policy in Relation to Natural and Social Environment (No. FY77-61)
- 270 National Endowment for the Arts Summer Intern Program (No. FY77-62)
- 271 National Science Foundation to Improve Access and Use of Scientific and Technical Information (No. FY77-63)

- 271 National Air and Space Museum, Washington, D.C. Guggenheim Fellowship (No. FY77-64)
- 272 Council for International Exchange of Scholars 1977-1978 Fulbright-Hays Lectureships in the U.S.S.R. (No. FY77-65)
- 272 Current Publications and Other Scholarly Works
- Monthly Summary
- 275 Awards Received
- 276 Proposals Submitted
- 277 Summary of Awards Received and Proposals Submitted

documentation

- 278 Father Hesburgh's Eulogy for George Shuster, Sacred Heart Church, Jan. 28, 1977



the university

Allegations Denied

Officials of Notre Dame and Miles Laboratory recently denied published allegations that "secret recombinant DNA research" similar to that causing controversy at other universities was being done in campus microbiology laboratories. The research, sponsored by Miles and being done by Robert J. Erickson, an assistant faculty fellow in microbiology, is not "recombinant DNA research" according to the definition of such reason adopted by the National Institutes of Health. It is a continuation of studies in bacterial genetics started over 20 years ago that looks to the improvement of the industrial enzymes used in various fermentation processes. The species of bacteria from which these industrial enzymes are derived are non-pathogenic. The results of such research has been published in scholarly journals.

Blood Station to Reopen

The Red Cross Blood Drawing station at the Notre Dame infirmary will be reopened on Feb. 22. The station will be open every week that school is in session on Tuesdays, Wednesdays and Thursdays from 9 a.m. to 11:15 a.m. and 1 p.m. to 3 p.m. The students have organized a volunteer blood donor recruitment program by residence hall, but faculty and staff are also welcome to take advantage of the convenience of giving blood right on campus. There is a serious blood need in St. Joseph County, and a blood donor drive to double the 7,500 donors now on the rolls of the central blood bank in South Bend was launched Feb. 14. The availability of advanced medical treatment of heart and kidney ailments has increased the local demand for blood to 15,000 units a year. Further information on blood donating can be obtained by calling Mrs. Donna Goss at 234-0191.

New Library Collections

The addition of two major collections of books and other materials to Notre Dame's Memorial Library has been announced by Anton C. Masin, director of the Department of Rare Books and Special Collections. Included are items dealing with the late President John F. Kennedy and more than 1,500 printed materials on the science of horology, the measurement of time.

Cantus Victoralis

With the English tongue in precarious shape, it is perhaps fortuitous that the Medieval Institute's curator, Carl T. Berkhout, had done a scholarly translation of the Notre Dame "Victory March" into a more secure language, to wit:

Cantus Victoralis Universitatis Nostrae Dominae

Convenite filii
Dominae Nostrae laudum fidi;
Tollite vexillum
Aureum caerulum.
Plausus fortissimi!

Pugnabimus in omni re,
Corde fortes fidelesque;
Numquam deseremus,
Semper extollemus
Eam vera voce.

Clamate Nostram Dominam bonam,
Suscite famam clare resonam,
Sursum ferte clamores,
Vibrate fulmen de caelis.
Casus adversus quamquam paret,
Domina Nostra tamen vincet,
Dum alumni sui pergunt
Usqu' ad victoriam.

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faculty notes

Honors

Edward W. Krause, director of athletics, was honored at the Notre Dame Club of Chicago Knute Rockne Awards Dinner Dec. 7, for his outstanding contribution to the Notre Dame Collegiate Program and Alumni Association. He was also honored by the City of Hope National Medical Center at a dinner in the Monogram Room Jan. 27 where it was announced that an Edward Krause Medical Research Fellowship will be established. On Feb. 5, Krause received the Walter Camp Hall of Fame Award at Yale University Commons. He was named the Man of the Year by the Walter Camp Hall of Fame for his lifetime achievements both on and off the athletic field.

Ray M. Powell, professor of accountancy, was elected vice-chairman of the Board of Michiana College of Commerce at their annual meeting on Jan. 7.

Julian Samora, professor of sociology and anthropology, has been named to the national advisory board of Mexican-U.S. Border Research Program, a bi-national study of border problems with national and international implications.

Anthony M. Trozzolo, Huisking professor of chemistry, was appointed a member of the Council Committee on Chemical Education of the American Chemical Society.

Activities

Dennis Bamber, adjunct instructor in music, held a performance and clinic on saxophone playing for the Fulton County music educators in Atlanta, Ga. on Nov. 23. He also performed "Four Movements for Saxophone Quartet and Tympani" by Bernhard Heiden with the Eugene Rousseau Saxophone Quartet and percussionist George Gaber at Indiana University, Bloomington, Ind. on Jan. 26.

Ronald P. Beaulieu, assistant professor of management, John A. Ruhe, associate professor of management, and Kathleen Rossman, staff assistant of the placement bureau, held a "Career Planning Workshop" seminar on Dec. 8 in the College of Business Administration.

James J. Carberry, professor of chemical engineering, presented a seminar on Pt Catalyzed Oxidation Reaction at the Frick Chemical Labs, Princeton University, on Jan. 3.

Donald F. Castro, instructor of English, video-taped an hour-long program entitled "I am Joaquin: Poetry and Politics." The program was part of the series "Is the Melting Pot A Myth?" shown over Valley Cablevision this past summer and fall. He also presented a paper entitled "Antecedents of E.D. Hirsch's 'Intrinsic Genre' Within Phenomenological Aesthetics" at the Rocky Mountain Modern Language Association (RMMLA) Convention held in Santa Fe, N.M., on Oct. 21-23. He also served as associate chairman of the session on Chicano Literature at the National Council of Teachers of English (NCTE) Convention held in Chicago on Nov. 25-27.

Bernard D. Cullity, professor of metallurgical engineering, spoke on "Residual Stress" before the Pittsburgh Chapter of the American Society for Metals on Jan. 20, and on "Magnetic Effects of Stress" at the Westinghouse Research Laboratory, Pittsburgh, on Jan. 21.

Nathan O. Hatch, assistant professor of history, commented on two papers at a session entitled "Religious Responses to War" at the American Historical Association Convention in Washington, D.C. on Dec. 29.

Thomas J. Kapacinskas, assistant professor of theology and collegiate seminar, was a discussant in the first international seminar on Archetypal Psychology held at the University of Dallas, Irving, Tex., Jan. 7-12.

Richard A. Lamanna, associate professor of sociology and anthropology, gave a lecture on "Sociology as a Policy Science" Dec. 2 at the University of Dayton.

John R. Malone, associate dean and director of the graduate division of the College of Business Administration, spoke to the Michiana Credit Management Association on the "Economic Outlook for 1977" in the Monogram Room of the ACC on Jan. 20.

Thomas L. Nowak, assistant professor of chemistry gave the invited presentation "Multiple Nuclear Relaxation Studies of Ligand - Protein Interactions" at Midwest NMR discussion Conference held in Chicago, Ill., Nov. 6.

Thomas L. Shaffer, professor of law, was one of the principal speakers at a Springfield seminar that was part of the Illinois State Bar Association's Centennial Celebration. He discussed "That Initial Interview: How to Manage it for Maximum Value and Client Satisfaction" on Jan. 21 and "Dealing With Estate Planning, Probate and Real Estate Clients" on Jan. 22.

J.K. Thomas, professor of chemistry and senior scientist in the radiation laboratory, presented a talk entitled "Effect of Phase on Photoionization" at Indiana University-South Bend on Jan. 26.

Anthony M. Trozzolo, Huisking professor of chemistry, presented a lecture entitled "Cyclic Photochemistry" as a Chemical Research Colloquium at The Allied Chemical Research Center, Morristown, N.J. on Jan. 26.

Eugene Ulrich, assistant professor of theology, co-directed a workshop on "Theological Reflection for Ministry," Jan. 13-15. This was the fifth in a series of workshops for South Bend area ministers connected with the N.D. Field Education Program. The title of his presentation was: "The People of the Covenant: Community and Pluralism."

Thomas Werge, associate professor of English, was an invited participant at the "Conference on the Literature of the American Revolution," College of William and Mary, from Dec. 7-10.

James D. Whitehead, and Evelyn Eaton Whitehead, assistant professors of theology, conducted a three-session workshop on "Theological Reflection in Ministry" at the 14th Biennial Convocation of the Association for Theological Field Education in Berkeley, Calif., Jan. 20-21.

office of advanced studies

Information Circulars

North Atlantic Treaty Organization Fellowship Program — 1977 Public Policy in Relation to Natural and Social Environment

No. FY77-61

Purpose

The NATO Fellowship Program is aimed at helping scholars and public officials to increase their skills and knowledge in the field and at disseminating the results of the studies through publication. It is also designed to contribute to the training of promising individuals for national or international positions in fields involving formulation of public policy with respect to problems of modern societies. Another objective is to seek ideas for possible new pilot studies within the NATO Committee on the Challenges of Modern Society.

Requirements

As a general rule, applicants must hold a degree equivalent to the first degree offered at the university level. Normally, graduate work would be expected to qualify, but this requirement may be waived for exceptional candidates.

Applicants are required to submit an application which, in addition to providing relevant biographical information, should contain an outline of the proposed study, which should describe in comprehensive terms the aims, methods, and source materials for study. The proposed work should consist of original study or research not previously undertaken or published.

Studies should preferably have relevance beyond a single country and maybe comparative. Proposals dealing with the purely scientific or technical aspects of environmental problems will generally not be taken into consideration.

For the purpose of guidance, the Committee has selected the following topics for the 1977 competition:

- * Public policy and consumer habits;
- * Recycling policies;
- * Public policy towards appropriate technology in advanced countries;
- * Energy conservation and the protection of the environment;
- * The role of the environmentalist in decision-making bodies.

Deadline

March 31, 1977

For further information and application forms write to:-

National Science Foundation
Division of Higher Education in Science
Washington, D.C. 20550

Or contact the Office of Advanced Studies,
Extension 7378.

National Endowment for the Arts Summer Intern Program

No. FY77-62

The National Endowment for the Arts has announced the 12th session of the Endowment's Work Experience Internship Program beginning June 6, 1977. Applications for the program are now being accepted from arts organizations and universities across the country. The application deadline for the summer program is March 4, 1977.

The Internship Program is a highly competitive nationwide program for prospective arts administrators. Fifteen intern positions are made available at the Endowment for three-month periods to young professionals

training for arts administration careers. Applications for the summer openings must be made by an organization on behalf of an individual. Each intern receives a stipend of \$2,210.00 and travel money. An applicant is selected on a competitive as well as geographic basis with emphasis placed on a combination of professional experience and academic background.

Interns are assigned individually to a variety of Arts Endowment programs and offices in Washington, D.C. to give them a working view of the agency's operations and policies. In addition to their duties working with Endowment staff, interns attend 45 seminars with leading arts administrators, National Council on the Arts and advisory panel meetings, and other conferences designed to familiarize them with arts activities and organizations throughout the country.

National Science Foundation to Improve Access and Use of Scientific and Technical Information

No. FY77-63

Among its responsibilities, the National Science Foundation is directed to foster the inter-change of scientific information among U.S. and foreign scientists, to coordinate national scientific information activities, to provide or arrange for indexing, abstracting, translating, and other information services leading to a more effective dissemination of scientific and technical information, and to develop new or improved methods for making scientific information available.

The Foundation's responsibilities in this area were significantly expanded in 1958, when the Office of Science Information Service (OSIS) was created. In 1976, OSIS was renamed the Division of Science Information (DSI) and placed in the Foundation's Directorate for Scientific, Technological, and International Affairs (STIA).

DSI supports research, development, demonstrations, and policy analyses to improve access to scientific and technical information and to increase its effective use. The goal of these activities is to contribute to improved productivity of science and engineering through effective application of available information. In addition, DSI arranges for national and international coordination activities across the scientific and technical information (STI) enterprise. Activities include collecting and analyzing data on the changing economic,

technological and structural characteristics of the STI enterprise; supporting coordination activities among Federal STI services; stimulating cooperative activities among national information organizations such as scientific and engineering societies, universities, and commercial firms; and serving as the national focal point for U.S. participation in international science information programs.

There are certain activities that DSI does not perform or support. DSI does not provide support for primary publications or monographs nor does it operate any information, reference, or translation services. Its functions are limited to research, development, demonstration, coordination, and policy analyses.

The DSI program seeks more effective use of the results of scientific and engineering research, nationwide, by stimulating innovations in scientific and technical communication processes.

Currently, DSI resources are focused on:

Information Science; User Requirements; Access Improvement; and Management Studies and Coordination.

Proposals may be submitted at any time throughout the year.

National Air and Space Museum, Washington, D.C. Guggenheim Fellowship

No. FY77-64

The National Air and Space Museum through the support of a fund established by the Daniel and Florence Guggenheim Foundation announces a one-year residential appointment for graduate research. The appointment will commence July 1, 1977. Financial support totaling \$10,000 will be awarded to include stipend, travel, and miscellaneous expenses.

Persons interested in research related to technology transfer, planetary exploration, or the history of aviation are encouraged to apply. Minimum academic requirement for the position is a bachelors degree; additional qualifications are recommended.

The following materials are required for application:

A one-page resume stating academic background and qualifications

- A research proposal which clearly defines:
1. the objectives of the research project
 2. research procedures to be implemented
 3. anticipated benefits to the individual, the Museum, and the academic community
 4. methods for dissemination of findings

Submit the above protocols to:
Deputy Director
National Air and Space Museum
Smithsonian Institution
Washington, D.C. 20560

DEADLINE FOR APPLICATION: MARCH 1, 1977
DEADLINE FOR NOTIFICATION: APRIL 15, 1977

Council for International Exchange of Scholars 1977-1978 Fulbright-Hays Lectureships in the U.S.S.R.

No. FY77-65

The Council for International Exchange of Scholars is pleased to announce that ten or more lectureships will be offered under the 1977-1978 exchange program with the Soviet Union.

Applications for 1977-1978 are welcome from any scholar interested in lecturing in the Soviet Union for a semester or an academic year. Applications cannot be accepted for research.

FIELDS OF INTEREST

American History
American Literature
Anthropology
Architecture/City Planning
Biology/Botany
Chemistry/Physics
Economics/Business Administration
Engineering Sciences
Linguistics/TEFL
Mathematics/Statistics
Meteorology
Oceanography
Psychology

APPLICATION DEADLINE: MARCH 1, 1977

ELIGIBILITY: U.S. Citizenship and college or university teaching experience. Preference is usually given to associate or full professors. Soviet institutions do not require fluency in Russian; when necessary, translators are provided. However, grantees are encouraged to acquire as much language competence as possible prior to departure for the assignment.

DURATION: One or both of the semesters at Soviet universities (Sept. 1977-Jan. 1978; Feb. 1978-June 1978).

STIPEND: The Department of State will issue an award based on the grantee's salary at the time of application, but not in excess of \$1,500 per month, payable in dollars. The Soviet government provides a supplementary maintenance allowance of 260 rubles per month plus housing. Economy class air travel is provided for the grantee and for one accompanying dependent for full-year appointments.

FOR ADDITIONAL INFORMATION CONTACT the Office of Advanced Studies, Extension 7378.

FOR APPLICATION FORMS CONTACT
Georgene B. Lovechy, Executive Associate
COUNCIL FOR INTERNATIONAL EXCHANGE
OF SCHOLARS
Eleven Dupont Circle, Suite 300
Washington, D.C. 20036
(Telephone: 202 833-4987)

Current Publications And Other Scholarly Works

ARTS AND LETTERS
HUMANISTIC AND SOCIAL STUDIES

American Studies

Schlereth, Thomas J.
T.J. Schlereth. 1976. Regional studies in America: The Chicago Model. Pages 224-237 in, R.H. Walker, ed. American Studies: Topics and Sources. Greenwood Press, Westport, Connecticut.

General Program of Liberal Studies

Sloan, Philip R.
P.R. Sloan. 1976. The Buffon-Linnaeus Controversy. ISIS 67(238):356-375.

Government and International Studies

Dowty, Alan K.
A.K. Dowty. 1976. The Middle East in the Democratic and Republican Party Platforms. Bulletin of the American Professors for Peace in the Middle East 1-3.
A.K. Dowty and R. Kochan. 1976. The Stakes of Conflict: Examination of a concept. Jerusalem Journal of International Relations 1(4):11-49.
Kommers, Donald P.
D.P. Kommers. 1976. Judicial review: Its influence abroad. The Annals of the American Academy of Political and Social Science 428:52-64.
D.P. Kommers. 1976. The value of Comparative Constitutional Law. The John Marshall Journal of Practice and Procedure 9:685-695.

Walshe, A. Peter

A.P. Walshe. 1976. Crisis in Southern Africa: The reappraisal of United States policy. Cross Currents 26(2):203-216.

History

Gleason, J. Philip

J.P. Gleason. 1976. The Main Street Anchor: John Carroll and Catholic Higher Education. The Review of Politics 38:576-613.

Philosophy

McInerny, Ralph M.

R.M. McInerny. 1976. St. Thomas Aquinas. Twayne Publishers, Boston. 193 pp.

Theology

O'Connor, CSC, Edward D.

E.D. O'Connor, CSC. 1976. The charismatic renewal: A historical perspective. Emmanuel 82(9):411-415.

SCIENCE

Biology

Esch, Harold

H. Esch. 1977. Foraging strategies in bees. American Bee Journal 116(12):568-569, 573.

Chemistry

Fehlner, Thomas P.

M. Wu and T.P. Fehlner. 1976. Valence level photoelectron spectra of some heavy group 4-6 diatomic molecules. Journal of the American Chemical Society 98(24):7578-7587.

Fessenden, Richard W.

*D. Meisel and R.W. Fessenden. 1976. Electron exchange and electron transfer of semiquinones in aqueous solutions. Journal of the American Chemical Society 98(24):7505-7510.

Scheidt, W. Robert

P. Madura and W.R. Scheidt. 1976. Stereochemistry of low-spin cobalt porphyrins. 8. $\alpha, \beta, \gamma, \delta$ -tetraphenylporphinato-cobalt (II). Inorganic Chemistry 15(12):3182-3184.

Schuler, Robert H.

*R.H. Schuler and G.K. Buzzard. 1976. Pulse radiolysis experiments: Synthesis and analysis of composite spectra. International Journal for Radiation Physics and Chemistry 8:563-574.

* Under the Radiation Laboratory

Microbiology

Kulpa, Charles F.

C.F. Kulpa and T.J. Tinghitella. 1976. Encapsulation of polyuridylic acid in phospholipid vesicles. Life Sciences 19(12):1879-1888.

Madsen, David C.

*B. Wostmann, E. Bruckner-Kardoss, M. Beaver, L. Chang and D. Madsen. 1976. Effect of dietary lactose at levels comparable to human consumption on cholesterol and bile acid metabolism of conventional and germfree rats. Journal of Nutrition 106(12):1782-1790.

Wostmann, Bernard

*B. Wostmann, E. Bruckner-Kardoss, M. Beaver, L. Chang and D. Madsen. 1976. Effect of dietary lactose at levels comparable to human consumption on cholesterol and bile acid metabolism of conventional and germfree rats. Journal of Nutrition 106(12):1782-1790.

* Under the Lobund Laboratory

Physics

Bishop, James M.

V.A. Sreedhar, J.M. Bishop, N.N. Biswas, N.M. Cason, E.D. Fokitis, V.P. Kenney, and W.D. Shephard. 1976. Study of the charge structure of events produced in 200 GeV/c π -p collisions. Physical Review D 14:2894-2901.

E.W. Anderson, N.N. Biswas, R.L. Bolduc, P.D. Higgins, J.M. Bishop, N.M. Cason, V.P. Kenney, D.S. Rhines, and W.D. Shephard. 1976. Direct e^+e^- pair production by 360 GeV/c π^- in hydrogen. Physical Review Letters 37:1593-1596.

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Biswas, Nripendra N.

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V.A. Sreedhar, J.M. Bishop, N.N. Biswas, N.M. Cason, E.D. Fokitis, V.P. Kenney, and W.D. Shephard. 1976. Study of the charge structure of events produced in 200 GeV/c π -p collisions. Physical Review D14:2894-2901.
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- Johnson, Walter R.
W.R. Johnson, C.D. Lin, and A. Dalgarno. 1976. Allowed and forbidden transitions of helium-like ions. Journal of Physics B: Atomic and Molecular Physics 9:L303-L306.
- Kenney, V. Paul
V.A. Sreedhar, J.M. Bishop, N.N. Biswas, N.M. Cason, E.D. Fokitis, V.P. Kenney, and W.D. Shephard. 1976. Study of the charge structure of events produced in 200 GeV/c π -p collisions. Physical Review D14:2894-2901.
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- Shephard, William D.
V.A. Sreedhar, J.M. Bishop, N.N. Biswas, N.M. Cason, E.D. Fokitis, V.P. Kenney, and W.D. Shephard. 1976. Study of the charge structure of events produced in 200 GeV/c π -p collisions. Physical Review D14:2894-2901.
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ENGINEERING

Electrical Engineering

- Uhran, Jr. John J.
F.J. Bonello, W.I. Davisson, and J.J. Uhran, Jr. 1976. Modeling production: Alternative procedures. Pages 125-129 in, Proceedings of the International Conference on Cybernetics and Society. New York.

BUSINESS ADMINISTRATION

Finance and Business Economics

- Kilbride, Bernard J.
B.J. Kilbride. 1976. Index funds: Fad or a new era in investing? SSI Reports on Financial Management 1(2):1-4.

Management

- Ryan, CSV, Leo V.
L.V. Ryan, CSV. 1976. Economic concerns. Pages 100-101 in, D.B. Burrell and F. Kane, eds. Evangelization in the American Context. Notre Dame Press, Notre Dame, Indiana.
- Sexton, William P.
W.P. Sexton. 1976. Effects of group size in community development. Hospital Progress 57(11):74-80.

Memorial Library

- Havlik, Robert J.
R.J. Havlik. 1976. Review of T.C. Trzyna and E.V. Coan, eds. World Directory of Environment Organizations. Choice 13(7):802.
- R.J. Havlik. 1976. Review of C.J. Van Rijsbergen, Information Retrieval. Choice 13(7):856.
- Masin, Anton C.
A.C. Masin. 1974. Francesco Petrarca, 1304-1374. October-December.
- A.C. Masin. 1975. Private Press Selections from William Morris (d. 1896) to the Present Day. February-June.
- A.C. Masin. 1975. Selections on the Art and History of Writing. July-December.
- A.C. Masin. 1976. Incunabula Typographica: Exhibit on Books of the Fifteenth Century. September-December.
- A.C. Masin. 1976. Selected Authors of the Catholic Literary Revival from Newman to the 1950's. January-March.

Monthly Summary

Awards Received

IN THE MONTH OF JANUARY, 1977

<u>Department or Office</u>	<u>Principal</u>	<u>Short title</u>	<u>Sponsor</u>	<u>Dollars Months</u>
AWARDS FOR RESEARCH				
Aerospace Mech. Eng.	Mueller, Lloyd, MacDonell	Transport phenomena related to prosthetic heart valve	Natl. Sci. Fdn.	53,000 12
Chemistry	Thomas	Photochemical excitation of aromatic hydrocarbons	American Chem. Soc.	24,000 24
Radiation Lab.	Schuler	Effects of radiation on matter	Energy Res. Devel. Admin.	316,800 12
Radiation Lab.	Schuler	Effects of radiation on matter	Energy Res. Devel. Admin.	21,000 12
Microbiology - Lobund Lab.	Pollard	Tumor biology in germfree animals	Natl. Inst. Health	16,308 12
Chemistry	Castellino	Structure-function studies on plasminogen and plasmin	Natl. Inst. Health	61,424 12
AWARDS FOR EDUCATIONAL PROGRAMS				
Urban Studies	Broden	National neighborhood training center	Natl. Ctr. Urban Eth. Affairs	8,000 9
Aerospace Mech. Eng.	Ariman	Technology in particulate-gas separation	Environ. Prot. Agency	14,188 12
General Program	Crowe	Seminar on development of science and technology	Uniroyal, Inc.	5,000 3
SERVICE PROGRAMS				
Economics	Wilber, Jameson	Intergovernmental personnel act of 1970	Agency for Intl. Devel.	30,794 12
Center Human Devel.	Dwyer	Needs assessment program	---	1,500 --

Proposals Submitted

IN THE MONTH OF JANUARY, 1977

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Aerospace Mech. Eng.	Roberts	Transonic and supersonic flow through compressor cascades	Project SQUID	22,755 12
Biology	Fuchs	Reproductive physiology of Aedes	Natl. Inst. Health	65,581 12
Off. Adv. Studies	Gordon	Biomedical Sciences Support Grant	Natl. Inst. Health	--- 12
College Eng.	Berry	General Postal Service research	U.S. Postal Service	107,470 12
Civil Eng., Architecture	Long, Plati	Reuse of railroad stations for community uses	U.S. Dept. Transportation	69,216 10
Aerospace Mech. Eng.	Ariman	Filtration by filters in electrostatic field	Natl. Sci. Fdn.	83,752 24
Microbiology - Lobund Lab.	Pollard, Asano	Colo-rectal carcinogenesis in germfree rats	Natl. Inst. Health	69,216 12
General Program	Crowe	Idea of extraterrestrial intelligent life	Natl. Sci. Fdn.	36,513 9
Microbiology - Lobund Lab.	Pollard	Prostate adenocarcinomas in rats	Natl. Inst. Health	62,105 12
Chemical Eng.	Carberry	U.S.-Soviet cooperative program in catalytic reactor studies	Natl. Sci. Fdn.	75,000 36
Electrical Eng.	Leake, Sain	Characterization of capabilities of sampled-data systems	U.S. Air Force, AFOSR	52,358 12
Chemistry	Kowalski	Stereospecific replacement of the hydroxyl group	Research Corp.	6,200 24
Microbiology - Lobund Lab.	Wostmann, Madsen	Microbial effects in cholesterol metabolism	Natl. Inst. Health	58,066 12
Chemical Eng.	Varma	Chemical and catalytic reactions	Engineering Fdn.	14,730 12
Physics	Browne, Chagnon, Darden, Funk, Mihelich	Nuclear structure research	Natl. Sci. Fdn.	421,053 12
Biology	Fuchs	Reproductive physiology of <u>Aedes</u> mosquitoes	Natl. Inst. Health	135,139 12
Microbiology - Lobund Lab.	Pollard	Cancer Center Support (CORE) program	Natl. Inst. Health	240,506 12
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Col. Arts Letters, Col. Science	Charles, Waldman	Undergraduate instructional scientific equipment	Natl. Sci. Fdn.	39,800 24
Microbiology - Lobund Lab.	Pollard	Undergraduate instructional scientific equipment	Natl. Sci. Fdn.	14,200 24
College Bus. Admin.	Cho	Undergraduate instructional scientific equipment	Natl. Sci. Fdn.	36,054 24
Metallurgical Eng.	Fiore	Materials research equipment	Natl. Sci. Fdn.	61,000 12

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR EDUCATIONAL PROGRAMS				
Chemical Eng., Metal. Eng.	Varma, Carberry, Kuczynski	NSF National needs graduate traineeships	Natl. Sci. Fdn.	105,000 36
Psychology	Borkowski, Whitman	Research training in mental retardation	Natl. Inst. Health	55,486 12
College Eng.	Berry	Industry-University engineering design clinic	U.S. Off. Educ.	111,042 36
Law School	Postlewaite	1977 Japan summer law program	(private foundations)	23,400 2
Economics	Swartz, Bonello	Impact program - TIPS	Exxon Educ. Fdn.	10,430 12
College Bus. Admin.	Furuhashi	Internationalizing undergraduate business programs	U.S. Off. Educ.	98,692 12
Psychology	Borkowski, Whitman	Training in mental retardation	Hearst Fdn.	20,000 12
PROPOSALS FOR SERVICE PROGRAMS				
Center Cont. Educ.	Powell, Bergin	NSF Chautauqua-type center	Natl. Sci. Fdn.	132,050 36

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF JANUARY, 1977

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	\$ 468,532	1	\$ 24,000	6	\$ 492,532
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	1	5,000	2	22,188	3	27,188
Service Programs	-	---	2	32,294	2	32,294
Total	6	\$ 473,532	5	\$ 78,482	11	\$ 552,014

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	9	\$ 938,953	8	\$ 581,142	17	\$1,520,095
Facilities and Equipment	-	---	4	151,054	4	151,054
Educational Programs	2	75,486	5	348,564	7	424,050
Service Programs	-	---	1	132,050	1	132,050
Total	11	\$1,014,439	18	\$1,212,810	29	\$2,227,249

documentation

Father Hesburgh's Eulogy for George Shuster Sacred Heart Church, Jan. 28, 1977

(Eulogy delivered by Rev. Theodore M. Hesburgh, C.S.C., at the funeral of George N. Shuster, at Sacred Heart Church, Notre Dame, Ind., Jan. 28, 1977)

"Whoever lives and believes in Me will never die."

These simple reassuring words of Jesus to the grieving Martha are our best consolation today as we gather in this holy place to bid goodbye to an old friend and associate and to pray powerfully in the Mass for the repose of his noble soul.

The difference between those who truly believe in Our Lord and those who do not is that believers live in hope of eternal life, and it keeps them traveling Godward through the long, tiring and trying days of their lives which are also lived in love.

What do we really learn from the long life of this great and gentle man to whom we bid goodbye today? What did he really have faith in, hope for, and love?

Those of us who were privileged to work with him and know him well were strengthened in our own faith just by being with him, watching him, listening to him. His faith was a rock to which his life was anchored, a North Star keeping him on the right path through life, an inspiration that was evident in everything he did. In the words of the Gospel, he was the faithful servant of everything that was good.

I first met George Shuster, spiritually, in one of his books which I read in a garret room on Via dei Cappuccini in Rome. The book was The Catholic Spirit in English Literature. I still remember, across all those forty years, that the book was bound in red covers and, between them I found a luminous mind at work, faith finding new beauty in old masterpieces, all expressed in a style that was the man: direct and beautiful, humane and uplifting.

With the curiosity of the young, I learned soon enough that he had come to Notre Dame as a student from Wisconsin and had majored in the classics and graduated in 1915. The first World War took many of his friends to an early grave and while he was in the thick of trench warfare in France, all there were interested in keeping him alive because he was one of the few who understood German, and by listening to the German artillery spotters, he would tell our troops where to expect the next awful barrage.

Thank God, he was spared because he had, in the Providence of God, long miles to go and many promises to keep before he could now sleep in peace. Returning to Notre Dame after the war, he found three treasures that were to shape his future life: a deepened love of literature and teaching that led him to a Master's degree and a deep desire for a doctorate, the grail that he pursued for twenty years until he finally achieved it at Columbia University in 1940, when he also became President of Hunter College in New York. The second treasure he found at Notre Dame was to discover his talent for writing and editing. That led him quickly to the writing of his first of over twenty books and to helping edit the Ave Maria with Father Daniel Hudson.

The third treasure he found at Notre Dame was a summer school student named Doris Cunningham whom he married in 1924 and loved faithfully until the day he died.

I should like to let George tell you this story in his own words, as we find them in the concluding paragraph of his autobiography, published the year he came to Notre Dame for the third time fifteen years ago:

"I should like to close quite sentimentally by talking about the light in my own house. More years ago than it is consoling to remember, I was teaching during a summer at Notre Dame. A girl stood under what they call the 'Golden Dome' with a little gold ornament on her throat and a light in her eyes. Some time later we were married. We took many things more or less in stride. A few of them were very hard to take. There is no reason why I should talk about them here other than that we stood our ground together. Perhaps a little of our buoyancy rubbed off in the process. But I believe we managed somehow to keep our chins up and whistle in the dark. A good many things never came our way which it would have been pleasant to see come. Then there were the twenty-one years at Hunter. That many years is a long time, but no doubt ever arose that we accepted them together, loyally and with affection. It is often said that a wife is the shadow of her husband, or that a husband is the shadow of his wife. That is not true of us. We made one shadow, and for it I am in this place saying thanks." May he be allowed to say it again today, at this time in this place, before this altar where a few years ago George and Doris happily celebrated their Golden Wedding Anniversary together.

George inscribed this book for me with the words--"An account of the sinful past of your more or less obedient servant." It was anything but sinful. They should call Hunter Shuster College because he made it great just by being there and bringing in his friends who were legion besides being also great.

He brought with him to Hunter twelve years experience of editing the Commonweal, a fledgling Catholic journal that launched the Catholic laity into a new and better American Catholic experience. He brought the first American voice to expose the growing horror of Hitler and Nazism. From there, he sallied forth to London and Paris to launch the United Nations Educational, Scientific and Cultural Organization, on whose Executive Board he represented our country in UNESCO's better years. On leave from Hunter, he served brilliantly as Land Commissioner for post-war Bavaria, giving that Catholic land the first understanding and compassion it had received in many years. Upon retiring from Hunter in 1960, he had the golden opportunity of going wherever he wished in the world, for whatever he cared to do, with fat foundation support. Notre Dame about that time awarded him our highest honor, the Laetare Medal, which he richly deserved. In the euphoria of that moment, I asked him to return here for the third time, not to retire, but to assist me in the revitalization of the humanities and social sciences and to help create here the kind of urbane, sophisticated, and intelligent Catholic life of which he was, to my knowledge, the best personification.

His last fifteen years here are known to many of you, and to me, to our great common profit. While others his age sought their ease, he realized our hopes and his, with unrelenting labors.

My favorite picture of him is at luncheon each day in the Morris Inn with faculty and students, young and old, loving and encouraging them and becoming, in turn, greatly beloved by all who grew spiritually, intellectually, and humanly by his careful and painstaking nurturing. He even enjoyed a dry Manhattan and a denicotinized cigarette while doing it. Joie de vivre, the French call it.

God only knows how many crisis I and others brought to him, as to a Father Confessor, who listened sympathetically and always gave wise counsel. Like a good gardener, he brought out the best in us, all the beauty and goodness that we did not know we had until he discovered and encouraged it in us. While he was a quintessential layman in a rather clerical church, I always saw in him a priest, a mediator who stood between ignorance and learning, badness and goodness, promise and fulfillment, always bridging the gap, always leading upward.

I know a once dreary Catholic university in South America that is bright and shining today because he cared enough to go there often, with great personal sacrifices, and to show them the way. I know of discouraged and defeated scholars who came to life because he beckoned the way to do it and gave them a gentle push. I know so many students who were losing faith, not only in God, but everything else, who found in his staunch and unwavering faith the means of recovering their own. As an educator, they are perhaps his best

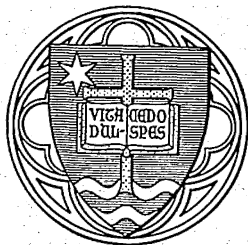
monument. I know of frustrated priests who were ready to call it quits until he opened to them new and exciting vistas. I know many young and old members of this community today who instinctively call him Father, and I am one of them. He engendered faith and hope and love because he lived to the fullest these great virtues that lead us to God.

There is a wonderful line in the prayers for the dying--"Go forth Christian soul to meet your Savior and Lord." It seemed almost superfluous to say that to George in his final hours. He spent his whole life doing it. It was the substance of his faith and hope and love. He found the good Lord everywhere, sought and served Him everywhere, found Him in us and in our hopes, left us so much better because of this deep faith and hope and love that he lived among us.

When the history of American Catholicism's coming of age in our times is written, George Shuster will emerge as a giant actor on the scene. How fortunate we were that he first came so long ago to this place that he learned to love, that he returned for new discoveries and new loves after World War I, and that in the ripeness of age, wisdom, and grace, he came a third time to enrich us all.

"Whosoever lives and believes in Me will never die." Although we are small compared to the cosmic reality of eternal life, I know I speak for all of you when I say that as long as there is a cherished spot called Notre Dame, there will be a cherished spirit here called George Shuster. May we grow here in faith and hope and love as he did, and may he now rest in peace and joy eternal.

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