

'71-'72

# notre dame report

## contents

April 30, 1972

### the university

- 257 Official announcements
- ND Library Association
- 257 The Paul V. Galvin  
Life Science Center
- 257 Advisory Committee  
For Coeducation
- 258 IBM 370/155 computer
- 258 Test case for library  
copy machines
- 259 Retirement Transition  
Benefit Option

### faculty notes

- 259 University appointments
- 259 Miscellany
- Faculty lectures  
and papers
- 260 Non-university appointments

### office of advanced studies

#### Information Circulars

- 261 National Endowment for the  
Humanities Senior Fellow-  
ships, 1973-1974  
(No. FY72-69)

- 261 IRS Rules on Student's  
College Pay in Summer  
(No. FY72-70)

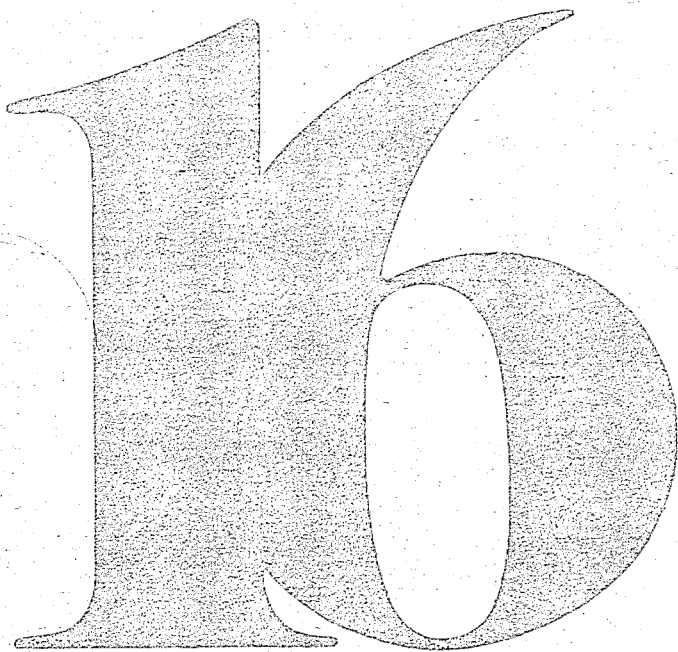
- 262 Current Publications and  
Other Scholarly Works

#### Monthly Summary

- 264 Awards Received
- 265 Summary of Awards Received  
and Proposals Submitted
- 265 Closing Dates for Selected  
Sponsored Programs

### documentation

- 266 The Honor Concept at Notre  
Dame: A letter from Rev.  
James T. Burtchae II, C.S.C.,  
Provost
- 267 The Faculty Affairs  
Committee of the Board of  
Trustees: Statement of  
Purpose



---

# the university

---

## Official announcements

**ND LIBRARY ASSOCIATION:** The Notre Dame Library Association will hold its meeting on Wednesday, May 10, at 1:30 p.m. in O'Shaughnessy Hall. Rev. Anthony J. Lauck, C.S.C., director of the Art Gallery, will lecture on the major exhibit, "Eighteenth Century France: A Study of Its Art and Civilization."

## The Paul V. Galvin Life Science Center

The Paul V. Galvin Life Science Center on the Notre Dame campus was dedicated April 28, in day-long ceremonies which included an address by the Nobel Prize winning biochemist Dr. Edward L. Tatum. The \$4.2 million building was constructed largely through a gift from Mrs. Virginia Galvin Piper, Evanston, Ill., in memory of her first husband, the founder of the Motorola Corp. Paul Galvin's son, Robert W. Galvin, is a Notre Dame trustee and chairman of the board of Motorola.

The modern research facility houses the Departments of Biology, directed by Dr. Paul P. Weinstein, and Microbiology, headed by Dr. Morris Pollard, and includes the Lobund Laboratory for germfree animal research, a wing completed in 1969. The four-level building is designed to permit the addition of two extra floors as future needs require them.

Rev. James J. McGrath, C.S.C., associate professor of biology and coordinator for the building project over the last three years, called the new Life Science Center "a quantum jump in facilities for teaching." Two major improvements are the quiet, carpeted and air-conditioned library and a 130-seat auditorium which features sophisticated audio-visual equipment.

Other innovations include an audiotutorial room where up to 24 students can study tapes and slides at their own convenience; teaching laboratories featuring air, gas, vacuum and deionized water outlets for student projects, and two seminar rooms for informal meetings or small classes.

Graduate laboratories in the basement include growth rooms and special designs for physiology, ecology, marine biology and course work on radiation effects.

The students also have access to special rooms for maintaining rabbits, mice, frogs and other basic laboratory animals.

Second and third floor research laboratories are designed on a "modular" basis, allowing movement from one lab to another without major reconstruction. Each lab could be redesigned to suit the needs of a new faculty member or a new area of research with minimal expense.

Each floor features a cold room and several growth rooms, which can be programmed to administer light at specified times and maintain the desired temperature and humidity. A central dishwashing location and autoclave are also available on each floor.

The Life Science Center was designed by Ellerbe Architects/Engineers/Planners of St. Paul, Minn.

## Advisory Committee For Coeducation

One hundred and twenty five female freshman and 200 female transfer students will be coming to the University of Notre Dame this fall. This sudden input of 325 women to Notre Dame life will pose some complications and require many changes.

Consequently, Rev. James T. Burtchaell, C.S.C., provost, formed an Advisory Committee for Coeducation, its sole purpose being to assure that this coed transition will be smooth and satisfactory. This Committee, chaired by Sister Elena Malits, C.S.C., a member of the Department of Religious Studies, Saint Mary's College, has been operative for the past month and will continue its activities until the beginning of the fall term, September 6. Its membership consists of the following persons:

Sister Elena Malits, C.S.C.  
Department of Religious Studies  
Saint Mary's College

Dr. Robert Ackerman  
Assistant Dean of Students

Miss Marika Enz  
Notre Dame Law School Student

Mrs. Leon Bernard  
Faculty Wife

Mr. Robert Higgins  
Hall Life Commissioner, 1971-72

Miss Barbara McKiernan  
Student Affairs Commissioner, 1971-72  
Saint Mary's College

Mrs. Walter Roberts  
Educational Consultant

Dr. Ellen Ryan  
Department of Psychology

Bro. Kieran Ryan, C.S.C.  
Assistant Vice President for Business Affairs

Mr. John Barkett  
Student Body President, 1971-72

Mr. Orlando Rodriguez  
Student Body Vice President, 1971-72

Mr. Edward Ellis  
Undergraduate (Junior)

## IBM 370/155 computer

The University's Computing Center has announced plans to phase out its Univac 1107 computer by August 15, 1972, as the new IBM 370/155 assumes research, instructional and administrative tasks.

Brian Walsh, director of the Center, explained that Notre Dame is leasing the large IBM computer, which actually arrived last December. Because it is capable of handling more than one job at a time (multi-programming), the new system operates an average of four times faster than the Univac computer.

Walsh hopes to make the changeover "invisible" to most Notre Dame users, and make some improvements and simplifications in administrative record-keeping at the same time. A single file (data base) on students and alumni is planned to eliminate duplication of effort, while safeguards will be established to insure that only authorized employees have access to information contained in them. The accounting system will be modernized to provide up-to-date information on individual projects and jobs by the beginning of the next fiscal year, July 1.

At the same time, use of the computer in teaching is increasing through 31 terminals located in classroom buildings throughout the University. Classes are offered in all four colleges on use of the computer in research, business or design. While Notre Dame phased out its Department of Computer Science last year, Walsh explained that educational use of the computer has actually increased. In addition, the Department of Electrical Engineering has added a program in computer science for its majors (Notre Dame Report #15, p. 232).

## Test case for library copy machines

The Director of Libraries, David E. Sparks, would like to call the attention of the Notre Dame community to a recent report of Commissioner James F. Davis of the U.S. Court of Claims in the case of Williams & Wilkins Company vs. The United States, a case which may have far reaching effects on the use of copy machines in libraries.

The Baltimore publishing firm of Williams & Wilkins has filed suit against the United States Government, specifically against the National Library of Medicine, for infringement of copyright, charging that the Library has caused the firm to lose income by making and distributing electrostatic and photographic copies of articles from certain of its medical journals. The suit is a test case that will certainly affect libraries, publishers and the prices of periodicals throughout the country.

In his report, Commissioner Davis recommended a decision in favor of the plaintiff. If the decision is affirmed in the U.S. Court of Claims and upheld in the Supreme Court, it could mean severe curtailment of photocopying in libraries, or the assessment of substantial royalty fees with every subscription.

In a recent discussion, Philip Brown, legal counsel for the Association of Research Libraries, made the following points:

1. The Davis Report is not final. It is subject to review by the judges of the Court of Claims, with possible appeal to the Supreme Court.
2. The Davis Report refers repeatedly to "wholesale copying." It does not appear to deal with single-copy photocopying.
3. In view of the failure of the Davis Report to address specifically the topic of single-copy photocopying, the recommended decision does not constitute a valid basis for a copyright owner to demand payment of a license or royalty. If publishers approach libraries for such payments, these libraries are requested to report the facts of such a proposal to the ARL Office immediately.

At a meeting of representatives of library and educational associations on February 24, it was agreed that, until a final decision is reached in Williams and Wilkins, it is desirable that the libraries should continue existing policies and practices with respect to photocopying of copyrighted materials, and that, specifically, nothing is to be gained by libraries refusing photocopying services as a reaction to the report.

The University Libraries at Notre Dame will continue their policy of making one copy of parts of copyrighted works for each Library user, provided that such copy does not exceed 10 per cent of the complete copyrighted work.

Further reports on the case will be made known as they become available.

## Retirement Transition Benefit Option

The Teachers Insurance and Annuity Association recently announced a new Retirement Transition Benefit for participants who retire on or after June 1, 1972. The Faculty Senate Committee on Faculty Affairs studied this new option and recommended that the University of Notre Dame approve its adoption. The Personnel Department, therefore, is pleased to advise TIAA-CREF participants that it has been approved and will go into effect on our campus on June 1, 1972.

This option permits an annuitant to elect to receive a one-sum payment of up to 10 per cent of his accumu-

lation at the time he starts to receive his annuity income, provided:

- 1) He is age 55 or older at the time.
- 2) The one-sum payment from each TIAA or CREF contract does not exceed 10 per cent of the contract's accumulation then being converted to annuity payments.
- 3) The last institution contributing to his annuity (normally the institution from which he is retiring) has approved the option for use by its retiring staff members.

In many instances retirees face immediate cash needs; down-payments on retirement homes, moving expenses, travel, etc. This new option establishes a fund that can assist in meeting these special needs.

---

# faculty notes

---

## University appointments

Dean Frederick J. Crosson of the College of Arts and Letters has announced the appointment of Dr. Donald P. Costello, professor of English, as co-ordinator of the Freshman Seminars for 1972-1973, as authorized by the Academic Council.

## Miscellany

Results of the study on the Criminal Justice Systems in Indiana--a 4-volume report recently completed by the University of Notre Dame's Law School and College of Engineering--were presented at the Third Annual Pittsburgh Conference on Modeling and Simulation April 24-25. Dr. Michael K. Sain, associate professor of electrical engineering, chaired two sessions at the conference: the criminal justice systems meeting and "Urban and Regional Systems: Modeling and Control."

Notre Dame lawyers and engineers presented four aspects of their lengthy report during the criminal justice symposium. They are "The Data Base in Modeling," by Dr. James M. Daschbach, associate professor of aerospace and mechanical engineering, and S. Riepenhoff, a paper stressing the importance of data collection; "Statistical Analysis of Type of Counsel and Plea Bargaining to Criminal Court Systems," by Drs. Raymond Brach and David Sharpe, associate and assistant professors of aerospace and

mechanical engineering, a paper describing various techniques for analyzing data; "Interactive Computer Simulation of Court System Delays," by Drs. Eugene Henry and John Ubran, professor and associate professor of electrical engineering, and Sain; "Operations Research in Criminal Justice: A Legal View," by Prof. Leslie G. Foschio, assistant dean of the Law School.

The following faculty members have been elected as officers of the campus chapter of Phi Beta Kappa:

Prof. John J. Broderick, professor of law, president; Dr. Joseph A. Tihen, professor of biology, vice president; Dr. E. William Chapin Jr., assistant professor of mathematics, secretary, and Dr. Robert L. Anthony, professor of physics, treasurer.

Seven members of the Department of Microbiology presented papers at the Fourth International Symposium on Germfree Research in New Orleans, La., April 16-20. They are Dr. Morris Pollard, director of the Lobund Laboratory, and Drs. Nehama Sharon, Julian Pleasants, Bernard Wostmann, Morris Wagner, Albert A. Nordin and Mr. C. Fred Chang. They spoke on the general conference theme, "Biological Effects of the Gnotobiotic Environments." Their topics included transplantation, cancer, nutrition, dental carries and intestinal infections.

Dr. Harvey Bender, professor of biology, served as chairman of a panel on the rights of the mentally

retarded at the Indiana Association for Retarded Children Annual Program Convention at Purdue University April 21. Also appearing on the panel was Prof. Charles W. Murdock, associate professor of law.

Dr. James J. Carberry, professor of chemical engineering, has been invited to present seminars on "Gamma-Irradiation Induced Alterations in Catalytic Selectivity" at Cambridge University and Imperial College, London, in early May. He will then lecture on this research topic at Budapest, Hungary; Milan, Rome and Naples, Italy, and at the Universities of Catania and Palermo in Sicily.

Dr. Michael J. Crowe, chairman of the General Program of Liberal Studies, participated in four three-day seminars on South Asian Studies sponsored by the Indiana Consortium for International Programs.

Dr. Bernard D. Cullity, professor of metallurgical engineering and materials science, presented a paper on "The Nucleation of a Magnetic Domain Wall in a Perfect Crystal" at the Intermag Conference in Kyoto, Japan, April 10. Intermag is an annual international conference on magnetism.

Dr. Matthew A. Fitzsimons, professor emeritus of history, took part in four three-day seminars on South Asian Studies sponsored by the Indiana Consortium for International Programs.

Dr. Philip J. Gleason, chairman of the history department, was the opening speaker in the History Week Lecture Series, devoted to American religion, at Brigham Young University, Provo, Utah, March 28-29. He discussed "American Catholicism and Its Prospects." Dr. Gleason also led a discussion of his paper, "The Crisis of Americanization," at the annual meeting of the Catholic Commission on Intellectual and Cultural Affairs in Philadelphia, Pa., April 22.

Dr. Raymond C. Gutschick, chairman of the Department of Geology, served as the American Geological Institute visiting geological scientist to Goshen College where he spoke on "Shallow Water Marine Environments," March 27.

Dr. Edward A. Kline, assistant professor of English, was panel discussion leader on "The Use of Computers and Linguistics in the Teaching of Literature" at the annual meeting of the Indiana College English Association at Anderson College, Anderson, Ind., April 14.

Dr. John J. Lyon, associate professor in the General Program of Liberal Studies, organized and supervised a faculty seminar on "Japanese Civilization" March 22-26. Dean Joseph M. Kitagawa of the Divinity School of the University of Chicago served as an in-residence lecturer during the week of the seminar. Prof. Matthew Ikeda, Department of Psychology, Valparaiso University, and Mr. Oliver Statler, Huntley, Ill., also lectured on modern Japanese literature and art prints.

Dr. Lyon and Dr. Gerhart Niemeyer, professor of government and international studies, participated in four three-day seminars on South Asian Studies sponsored by the Indiana Consortium for International Programs.

Prof. John T. Noonan Jr., former professor of law at Notre Dame and presently professor of law at the

University of California, Berkeley, delivered the Oliver Wendell Holmes Lectures for 1971-72 at the Harvard Law School, April 25 and 27.

Prof. Robert F. O'Brien, director of the Notre Dame bands and associate professor of music, will direct 14 of the top high school bands in the United States when they participate in the Olympic Marching Band Tour and Competition in Germany this summer. The tour will be sponsored by the National Educational Scholarship Foundation (NESF) of Chicago. At least one of the university scholarships to be provided to winning contestants in the 1972 competition will be named after O'Brien.

Prof. Christopher O. Osakwe, associate professor of government and law, served as moderator of the public debate on "Resolved: that the British Government has done all that is reasonable to bring justice and peace to northern Ireland," sponsored by the International Law Society and the Notre Dame Committee for Ulster Justice, April 14.

Dr. John F. Santos, chairman of the Department of Psychology, attended an invited briefing by Dr. Arthur Fleming, special assistant to President Nixon, on the President's message on aging in Indianapolis, April 12. Dr. Santos also took part in a workshop on "Advocacy in Indiana" sponsored by the Indiana Mental Health and Mental Retardation Planning Commission, April 13, in which he served as chairman of a special session on "Advocacy Issues Related to the Aged."

Dr. Maurice Schwartz, assistant professor of chemistry, will serve as visiting professor of chemistry at the University of Berkeley for the summer term. Schwartz will continue his research on the theoretical aspects of electron spectroscopy and will also teach a course in "Quantum Chemistry."

Prof. William G. Storey, associate professor of theology, addressed the Chicago Days of Renewal April 8-9, on "The Eucharist and Reform of Worship" and "The Liturgy of the Hours and the Charismatic Movement."

Dr. Mark W. Tenney, associate professor of civil engineering, has been invited to deliver a paper entitled "Chemical and Auto Flocculation of Microorganisms" at the fall meeting of the American Chemical Society, Microbial Chemistry and Technology Division, at a symposium on the separation and purification of microbial products, in New York City, August 27-September 1.

## Non-university appointments

Dr. Willis E. Bartlett, chairman of the Department of Graduate Education, has been named executive director of the National Catholic Guidance Conference, a 2,000-member group for people interested in development of student personnel services in Catholic and other non-public institutions.

Prof. Leslie G. Foschio, assistant dean of the Law School, has been appointed chairman of the Special-Gifts Committee for PACE, a private organization to aid prisoners.

---

# office of advanced studies

---

## Information Circulars

### National Endowment for the Humanities Senior Fellowships, 1973-1974 NO. FY72-69

#### ELIGIBILITY

For experienced scholars, teachers, writers, or interpreters of the humanities who have produced significant work.

#### SCOPE OF SUPPORT

Includes, but is not limited to, the following: language, both modern and classical; linguistics; literature; history; jurisprudence; philosophy; ethics; comparative religion; archaeology; the study of the history, criticism, theory, and practice of the arts; those aspects of the social sciences which have humanistic content and employ humanistic methods; and the study and application of the humanities to the human environment, with particular attention to the relevance of the humanities to the current conditions of national life.

#### PURPOSES AND PRIORITIES

The purpose of these awards is to help experienced humanists further develop their abilities by providing support for uninterrupted study. The work undertaken with a fellowship may be study or research within the applicant's special interest, or it may be general study in some other field that will help the applicant better understand his own field, enlarge his competence, and become a more broadly informed humanist.

The Endowment is particularly interested in studies that will contribute to better understanding of matters of current national concern, but more traditional studies are eligible for support as well. Applications are encouraged from persons with broad interests in the humanities as well as from scholars working in specialties. Applications may come from college and university faculty members, but also from others whose occupations engage them as interpreters of the humanities.

#### REQUIREMENTS

Fellows must devote full time to their fellowship study. They may not hold other major fellowships or grants during tenure, except sabbaticals or grants from their own institutions. Small supplemental grants are permitted if justified.

Stipend: \$1,500 per month, maximum  
Tenure: Between 6 and 12 months

Deadline for Applications: June 19, 1972  
Announcement of Awards: November 1, 1972

#### ADDITIONAL INFORMATION

For additional information write to the

Division of Fellowships  
National Endowment for the Humanities  
806 15th Street, N.W.  
Washington, D. C. 20506

### IRS Rules on Student's College Pay in Summer NO. FY72-70

The Internal Revenue Service said this week that services performed by a student during the summer vacation when he is not enrolled or regularly attending classes are not excepted from "employment" if he earns \$50 or more in the calendar quarters of the summer vacation.

IRS said that if the student was not enrolled and not attending classes during the summer vacation period "accordingly, it is held that if the remuneration earned in the calendar quarters of the summer vacation period amounted to \$50 or more, his services would be 'employment' and the 'wages' therefore would be subject to the Federal Insurance Contributions Act taxes."

All Faculty are reminded that each student research assistant should be enrolled for at least 1 credit hour during the Summer Session in accord with existing policy.

# Current Publications and Other Scholarly Works

## LAW SCHOOL

- F.N. Dutile. "Some Observations on the Supreme Court's Use of Property Concepts in Resolving Fourth Amendment Problems." *Cath. Univ. Law Rev.* 1971, 21, 1, 1-34.

## SCIENCE

### Biology

- K. Adler. "Function of Extraoptic Photoreceptors in Amphibian Behavior: I. Manipulation of the Biological Clock (Abstract)." *Proceed. Indiana Acad. Sci.* 1971, 80, 486.
- K. Adler. "Pineal End Organ: Role in Extraoptic Entrainment of Circadian Locomotor Rhythm in Frogs." In "Biochronometry" (M. Menaker, Editor) 1971, 342-350, Publ. U.S. Natl. Acad. Sci., Washington, D.C.
- K. Adler. "Preface to Boulenger's Contributions to American Herpetology." *Publ. Soc. Study Amphib. Reptiles* 1971, 1, 5-6.
- K. Adler. "The Ignominious Iguana." *South Bend Zoo* 1971, 1, 3-4.
- K. Adler and D.M. Dennis. "New Tree Frogs of the Genus *Hyla* from the Cloud Forests of Western Guerrero, Mexico." *Occas-Pap. Mus. Natl. Hist. Univ. Kansas* 1972, 7, 1-19.
- K. Adler and D.H. Taylor. "Polarized Light: Detection via Extraoptic Receptor and its Use by Orienting Salamanders." *Herpetol. Rev.* 1971, 3, 6, 105.
- H.A. Bender, H.J. Barr, and R.S. Ostrowski. "Asynchronous DNA Synthesis in a Duplicated Chromosomal Region of *Drosophila melanogaster*." *Nature New Biol.* 1971, 231, 24, 217-219.

### Chemistry

- \*C. Curran, with J.C. May and D. Petridis. "Mössbauer and Related Studies of Tin (IV) Complexes with N, N-Dialkyldithiocarbonic Acids." *Inorg. Chem. Acta.* 1971, 5, 511-514.
- E.L. Eliel and A.A. Hartmann. "A Convenient Synthesis of  $\alpha$ -Keto Esters." *J. Org. Chem.* 1972, 37, 505-506.
- T.P. Fehlner. "Reactions of Borane ( $BH_3$ ). IV. The Absolute Rate of Reaction with Acetone." *Inorg. Chem.* 1972, 252-256.
- R.G. Hayes, with J.L. Thomas. "Electron Paramagnetic Resonance Studies of the Electronic Structure of Dicyclooctatetraenylvanadium (IV) and Cyclooctatetraenyl (cyclopentadienyl) Titanium (III)." *Inorg. Chem.* 1972, 11, 348-350.
- M. Martinez-Carrion, with M.W. Dybel and W.S. Cheng. "Binding of Succinate to Two Forms of Aspartate Transaminase." *Arch. Biochem. Biophys.* 1972, 148, 320-321.

- D.J. Pasto and P.W. Wojtkowski. "Reaction of Alkali Metal Dibutylboron with Alkyl Halides in Diethyl Ether Solution." *J. Organometal. Chem.* 1972, 34, 251-257.

- \*M.E. Schwartz, with J.J. Huang and G.V. Pfeiffer. "Theoretical Studies of the Binding Energy and Geometry of the  $H_s^+$  Molecular Ion." *J. Chem. Phys.* 1972, 56, 755-758.
- \*J.K. Thomas. "The Production of Excited States by Lasers and Ionizing Radiation." *Record Chem. Progress* 1971, 32, 3, 145-163.
- D.H. Winicur, with E.L. Knuth. "A Method for the Measurement of the Electron-impact Excitation Cross Section of Argon." *Chem. Phys. Letts.* 1971, 12, 261-263.

-----  
\*Under the Radiation Laboratory.  
-----

### Physics

- F.F.K. Cheung and F.S. Chen-Cheung. "Uniqueness of Amplitudes Satisfying the Mandelstam Representation." *Phys. Rev.* 1972, D5, 970.
- E.R. Marshalek and M. Sabato. "Problems with Perturbation Treatments of Anharmonic Nuclear Oscillations." *Phys. Rev.* 1972, C5, 1130.
- W.D. Shepherd, J.T. Powers, N.N. Biswas, N.M. Cason, V.P. Kenney, and D.W. Thomas. "Correlations in the Two-Particle Inclusive Reactions  $\pi^+\pi^+\pi^+\pi^+$  Anything." *Phys. Rev. Letters* 1972, 28, 703.

## ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

### English

- J.J. McDonald. "Emerson and John Brown." *New England Qtrly.* 1971, 54, 3, 377-396.

### Government and International Studies

- P.C. Bartholomew. "The Supreme Court of the United States 1970-1971." *West. Polit. Qtrly.* 1971, 24, 4, 687-701.
- G. Niemeyer. "Humanism, Positivism, Immorality." *Polit. Sci. Rev.* 1971, 1, 277-294.
- G. Niemeyer. "Ideological Dimensions of the New China Policy." *Orbis* 1971, 15, 808-817.
- G. Niemeyer and H. Heller, editors of "Gesammelte Schriften." 1971, 3 vls., A.W. Sijthoff, Leiden.
- C. Osakwe. "The Participation of the Soviet Union in Universal International Organizations (A Political and Legal Analysis of Soviet Strategies and Aspirations Inside ILO, UNESCO and WHO)." 1972, xvi and 194 pages. A.W. Sijthoff, Leiden.

### History

- T.E. Blantz, CSC. "Francis J. Haas: Priest and Government Servant." *Cath. Historical*



Rev. 1972, 57, 4, 571-592.

- J.E. Ward. "Cardinal Place and Leo XIII's Ralliement Policy." Cath. Historical Rev. 1972, 57, 4, 606-628.
- J.P. Gleason. "Mass and Maypole Revisited: American Catholics and the Middle Ages." Cath. Historical Rev. 1971, 57, 2, 249-274.

#### Philosophy

- C.F. Delaney. "Introduction to Philosophy." Proc. Amer. Cath. Philos. Assocn. 1971, 45, 179-182.

#### Psychology

- T.L. Whitman, M. Zakaras, and S. Chardos. "Effects of Reinforcement and Guidance Procedures on Instruction---Following Behaviors of Severely Retarded Children." J. Appl. Behavior Analysis 1971, 4, 283-290.

#### Sociology and Anthropology

- R.A. Lamanna and J. Samora. "Mexican-Americans in a Midwest Metropolis." In "Racial and Ethnic Relations" (B. Segal, Editor). 1972, 226-242, Thomas Y. Crowell Co., New York.

#### Theology

- J. Blenkinsopp. "Gibeon and Israel. The Role of Gibeon and the Gibeonites in the Political and Religious History of Early Israel." 1972, xi and 152 pages. Cambridge University Press.

### ENGINEERING

#### Aerospace and Mechanical Engineering

- N.C. Huang. "Dynamic Buckling of Some Elastic Shallow Structures Subject to Periodic Loading with High Frequency." Internatl. J. Solids Structures 1972, 8, 315-326.
- V.W. Nee, S. Lai, and L.S.G. Kovalszay. "The Turbulent Wake After a Trailing Edge." Proceed. 9th Internatl. Sympos. Space Technol. Sci. 1971, 379-390.

#### Electrical Engineering

- J.L. Massey. "Review of M.A. Arbib's Topics in Mathematical System Theory, Part III: Automata Theory." IEEE Trans. Automatic Control 1972, AC-17, 182.
- J.L. Massey. "Variable-Length Codes and the Fano Metric." Trans. IEEE 1972, IT-18, 196-198.
- B.R. Myers and R. Liu. "A Lower Bound on the Chromatic Number of a Graph." Networks 1972, 1, 273-277.



# Monthly Summary

## Awards Received

IN THE MONTH OF MARCH, 1972

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
Civil Eng.	McFarland	Grant-in-aid	2000, Inc.	1,800 ---
Administration	Botzum	Graduate traineeship program	Natl. Sci. Fdn.	70,500 1 yr.
Metallurgical Eng.	Miller	Magnetic behavior of rare- earth cobalt compounds	U.S. Navy	39,950 1 yr.
Aerospace Mech. Eng.	Mueller	Flow regions within altitude compensating nozzles	Natl. Aero. Space Admin.	500 ---
Microbiology- Lobund Lab.	Pollard	Grant-in-aid	Miles Lab., Inc.	2,250 ---
Chemical Eng.	Carberry	Grant-in-aid	Union Carbide Corp.	3,500 ---
Aerospace Mech. Eng.	Lloyd	Convection adjacent to down- ward-facing inclined surfaces	Natl. Sci. Fdn.	16,000 18 mos.
Aerospace Mech. Eng.	Morris	Neutron penetration in sodium	Natl. Sci. Fdn.	19,500 18 mos.
Aerospace Mech. Eng.	Sharpe	Analysis and categorization of electroencephalograms	Natl. Sci. Fdn.	16,000 18 mos.
Administration	Gordon	National Defense Education Act graduate fellowships	U.S. Office Educ.	180,200 1 yr.
Aerospace Mech. Eng.	Ingram	Wind tunnel and flow visualiza- tion tests on a fin-body	U.S. Navy	500 ---
Biology	Crovello	Data file for Greene herbarium botanical collection	Natl. Sci. Fdn.	46,200 18 mos.
Mathematics	O'Meara	Mathematical algebra	Natl. Sci. Fdn.	47,600 1 yr.
AWARDS FOR FACILITIES AND EQUIPMENT				
Microbiology- Lobund Lab.	Pollard	Grant-in-aid	Carrol Cty. Cancer Assocn.	300 ---
Microbiology- Lobund Lab.	Wagner	Grant-in-aid	B-O Sci. Res. Fdn.	200 ---
AWARDS FOR EDUCATIONAL PROGRAMS				
Art	Lauck	The Orator	Miss Thea Tewi	1,800 ---
Biology	Weinstein	Seminar program	Cancer Soc. St. Jos. Cty.	500 ---
Urban Studies	Egan	Catholic committee for urban ministry	Raskob Fdn.	500 ---

## Summary of Awards Received and Proposals Submitted

IN THE MONTH OF MARCH, 1972

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	6	\$347,250	7	\$ 97,250	13	\$ 444,500
Facilities and Equipment	-	---	2	500	2	500
Educational Programs	-	---	3	2,800	3	2,800
Service Programs	-	---	-	---	-	---
Total	6	\$347,250	12	\$ 100,550	18	\$ 447,800

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	\$321,669	21	\$1,027,711	29	\$1,349,380
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	-	---	2	7,242	2	7,242
Service Programs	-	---	-	---	-	---
Total	8	\$321,669	23	\$1,034,953	31	\$1,356,622

## Closing Dates for Selected Sponsored Programs

Agency	Programs	Application Closing Dates	
American Society of Church History	Brewer Prize Competition	June	1, 1972
Argonne National Laboratory	Faculty-Student Conference in Nuclear Science	June	15, 1972
Community Environmental Management	Research, Fellowships and Graduate Training	June	1, 1972
	Occupational Safety and Health Research and Graduate Training	June	1, 1972
	Radiological Health Research and Training	June	1, 1972
Environmental Protection Agency	Radiation and Solid Waste Research and Training	June	1, 1972
National Center for Health Services and Research Development	Exploratory Research Grants	June	1, 1972
	Training and Research Grants	June	1, 1972
	Development and Demonstration Grants	June	1, 1972
National Endowment for the Arts	1973-74 Senior Fellowships	June	15, 1972
National Science Foundation	Academic Year Institutes for Secondary School Teachers of Science and Mathematics	June	15, 1972
	Institutes and Short Courses for College Science Teachers		
Pan American Union	Organization of American States Fellowship Program	June	30, 1972
Social Rehabilitation Service	Rehabilitation Research and Demonstration	June	1, 1972
U.S. Department of Justice	Law Enforcement Assistance Discretionary Grants	June	1, 1972
U.S. Office of Education	Community Service and Continuing Education Programs	June	30, 1972
	Teacher Corps	June	30, 1972

---

# documentation

---

## The Honor Concept at Notre Dame

TO: Dr. Edward Vasta, Chairman (Professor, Department of English)  
Rev. Thomas Blantz, C.S.C. (Vice President for Student Affairs)  
Mr. Cordelia Candelaria (Graduate Student, Department of English)  
Mr. Leo Corbaci (Dean of Administration)  
Mr. Michael DeCicco (Assistant Professor, Department of Aerospace and Mechanical Engineering)  
Mr. Alfred Giuffrida (Junior, Department of Government and International Studies)  
Dr. Stanley Hauerwas (Assistant Professor, Department of Theology)  
Dr. Peter Naus (Assistant Professor, Department of Psychology)  
Mrs. Paul Rathburn (Faculty Wife)  
Dr. Maurice Schwartz (Assistant Professor, Department of Chemistry)  
Dr. William Sexton (Associate Professor, Department of Business Organization and Management)  
Mr. Douglas Smego (Junior, Department of Pre-Professional Studies)  
Mr. Thomas Tinsley (Freshman, Freshman Year of Studies)

Dear Colleagues:

I write you on behalf of the Faculty Affairs Committee of the Board of Trustees. Dr. Rosemary Park, chairman of that Committee, has entrusted the matter I would like to raise with you to the care of Dr. Harvey Bender and myself, and it is especially in his name and mine that I would like to ask for your services to the University.

During the course of this year, one of the suggestions arising from our Committee was the formation of a committee to encourage the reconstruction of an Honor Council. As you will recall, Dr. Walter J. Nicgorski chaired a faculty-student committee, created by resolution of the Faculty Senate and Student Government, to explore the feasibility of restoring the Honor Concept. The Committee's report was not encouraging (Notre Dame Report #7).

Nevertheless, those of us on the Committee and others on campus remain uneasy at our apparent failure to operate under a reasonable and trustworthy provision for honor in our academic activities.

Thinking that the need for and the fragility of academic honor in the University is an issue which goes even beyond the existence of an honor concept at the University, we should be grateful to ask you as a committee to explore further what our particular needs and problems are, to probe even more deeply into the theoretical problems that beset us in our desire to be scrupulously honest. If it is not possible to do this in a university, particularly a Catholic university, one fears that it might be possible nowhere.

If you would be willing to address yourselves to this task, I am reasonably sure that it will occupy your attention well into next year, but the entire University community would be in your debt for whatever report you were eventually able to make. Let me promise in advance the gratitude of our Committee.

Devotedly,

*James Burtchaeil, C.S.C.*

(Rev.) James T. Burtchaeil, C.S.C.  
Provost

# The Faculty Affairs Committee Of The Board Of Trustees

## Statement of Purpose

The Committee is a Standing Committee of the Board of Trustees. It has no decision-making power. Its major purpose is to establish a mutually beneficial liaison between the Board and the faculty of the University. Such recommendations as it wishes to make to the Board of Trustees shall, after approval by a majority of the members of the Committee, be presented to the chairman of the Board in writing. The minutes of each meeting, as prepared by the secretary, shall be sent to all Committee members for comment and correction if either be thought appropriate. Copies of the final draft shall be sent to all members of the Board of Trustees and to such other persons as the majority of the Committee members designates. Each member of the Committee shall be invited to be present whenever the chairman makes a report of the Committee's actions to a meeting of the Board of Trustees.

Since the Committee is neither a decision-making body nor an Appeals Board, it shall not concern itself with isolated situations of an administrative character, such as a plea for a promotion which had been denied. The concern of the committee will be with broad issues of academic policy about which it believes the Board of Trustees should be informed so that it can exercise appropriate leadership. Each member of the Committee shall be supplied with a copy of the Faculty Manual. Since this Manual was approved by all the appropriate constituent bodies of the University, it is deemed the legislation currently in force.

Dean Joseph C. Hogan  
College of Engineering  
Box 309  
Notre Dame, Ind. 46556

---

## notre dame report

An official publication published fortnightly by the University of Notre Dame

Vol. 1, No. 16

April 30, 1972



\$2.00 subscription rate per academic year.  
Jeannine M. Doty--Editor  
283-7162

---