

'71-'72

# notre dame report

## contents

### the university

- 77 Official announcements
  - ND Report
  - Exam Schedules
- 77 In the news
- 77 MBA enrollment
- 78 Morris Inn renovations
- 78 Development Office telethon
- 78 Committee on Black Student Affairs

### faculty notes

- 78 Non-university appointments
- 79 Law School Advisory Council
- 79 Miscellany
  - Faculty lectures and papers

### events

- 80 Saint Mary's concerts
- 80 Campus lectures
- 80 Saint Mary's pilot films
- 80 Athletic and Convocation Center

### office of advanced studies

- Notes for Principal Investigators
- 81 Rates for Computer Charges

### Information Circulars

- 81 Belgian American Educational Foundation Post-Doctoral Fellowships (No. FY72-28)

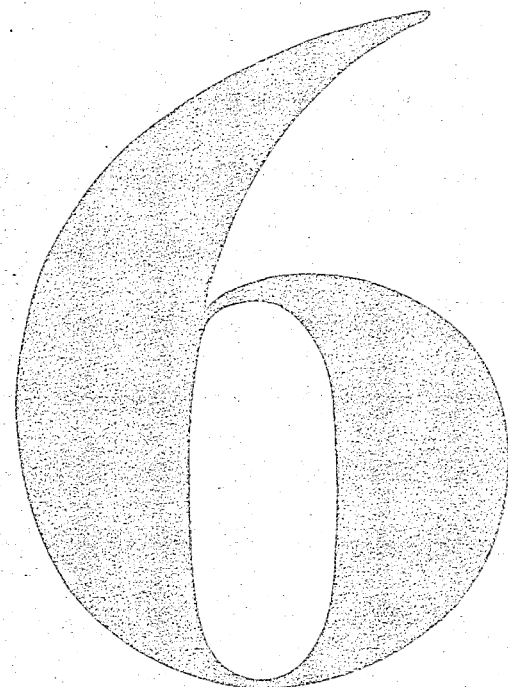
- 82 AVCO Financial Services Foundation Doctoral Dissertation Award (No. FY72-29)
- 83 University Committee on the Use of Human Subjects in Research (No. FY72-30)
- 84 Woodrow Wilson International Center for Scholars (No. FY72-31)
- 86 Current Publications and Other Scholarly Works

### Monthly Summary

- 88 Awards Received
- 88 Summary of Awards Received and Proposals Submitted
- 89 Closing Dates for Selected Sponsored Programs

### documentation

- 90 Notre Dame Semester Exam Schedule--Fall 1971-72
- 92 Saint Mary's Semester Exam Schedule--Fall 1971-72
- 93 Wage Freeze announcement
- 93 Notre Dame-Saint Mary's Unification



# the university

## Official announcements

ND REPORT: The inauguration of Notre Dame Report triggered a discussion about its relationship with The President's Newsletter. At present, there is a large overlap in the readership of these two publications, and the Report's sections on "The University," "Faculty Notes," and "Documentation" duplicate the content of the Newsletter.

The decision has been made to develop the Report as the principal communications vehicle inside the University and to use the Newsletter to carry general institutional news to the University's outside constituencies, i.e., trustees, advisory council members, alumni club presidents and class agents, President's Committee members in major cities. Double readership will be reduced to a bare minimum. Thus, in the future, Notre Dame Report will be distributed to the faculty, the general administrative staff, and students holding official positions on campus. Distribution of The President's Newsletter to faculty and general administrative staff will cease since its content is being duplicated by the Report.

Richard W. Conklin  
Director, Information Services

EXAM SCHEDULES: Both the Notre Dame and the Saint Mary's College semester examination schedules for the fall term can be found in the "Documentation" section of the Report.

## In the news

A Carnegie Commission report, "May 1970: The Campus Aftermath of Cambodia and Kent State," has warned that "the tinder of discontent on the campus remains dry" (The New York Times, November 15). . .

A statement on the nature and role of the contemporary Catholic university, drafted by the North American region of the International Federation of Catholic Universities and emphasizing academic freedom and autonomy was described in the November 17 Chronicle of Higher Education. A full text of the document, which is very similar to the 1967 "Land O'Lakes Statement," will be printed in a future issue of the Report. . .

Father Hesburgh made his third appearance on the op-ed page of The New York Times of November 10 with a discussion of U.S. foreign aid policy. . .

Athletic Director Edward "Moose" Krause received a sympathetic profile in the November 16 Chicago Sun-Times column of sportswriter Bill Gleason as the Back of the Yards Council honored him at a benefit in Chicago. . .

The use of an industrial waste--flyash--to fight water pollution in Stone Lake near Cassapolis, Mich., drew wire service stories October 29. Drs. Mark Tenney and Wayne Echelberger, two ND civil engineers, are doing the research. . .

The Notre Dame football team voted not to accept an invitation to any bowl game this season (South Bend Tribune, November 18). . .

Indiana Magazine in its November issue, had an astrologer and a numerologist examine Father Hesburgh. All the signs were good (brilliant strategist, "highly developed individual"), indicating that someday he might make a great university president.

## MBA enrollment

The record total of 156 students in the University's graduate division of the College of Business Administration come from 85 undergraduate colleges, 28 states and 16 foreign countries.

The 89 students in the first year of the two-year program represent a 19 per cent increase over the 75 accepted in 1970. Inquiries from prospective students have increased 28 per cent in the last year when 2,325 persons expressed interest in the Notre Dame division. Only 951 inquiries were received in the first year of the MBA program in 1967.

Fifty-four per cent of the 1971 students received undergraduate degrees in business or economics, 28 per cent in arts or humanities and 18 per cent in science or engineering. A total of 67 students or 43 per cent of the division are married and the average student is about a week away from his 25th birthday. There are three women and three minority group students.

## Morris Inn renovations

The Morris Inn has begun an extensive renovation program which includes expansion of the dining room and kitchen facilities and the addition of a new cocktail lounge opposite the dining room. The construction work for this part of the program is already well along. Renovation of the bedrooms and corridors will commence shortly and these areas will be completely refurbished. The bedrooms will be rearranged with new furniture and accessories.

Beginning January 3, 1972, dining service will be in the Mahogany Room and will continue there until the new main dining room opens in March. Mr. John Rash, manager of the Morris Inn, wishes to assure all faculty members and staff of the University that full hotel and dining room service will be maintained at the Inn during the period of these renovations.

## Development Office telethon

As a follow-up to the SUMMA campaign the Development Office is engaged in a telethon on the new WATS system. Part of the telephone campaign was conducted October 25-28 from 6:30 p.m. to 11:30 p.m. each evening. During that time five development directors attempted 781 calls, talked to 342 prospects and received 217 commitments to SUMMA totaling \$45,550.

Calls were placed to alumni in Detroit, Chicago, Los Angeles and San Francisco.

The telethon will also be conducted December 1, 6, 7 and 8. Please note these dates since the WATS service will be reserved for the exclusive use of the Development Office. The service will be available as usual up to 6:30 p.m. on these days.

## Committee on Black Student Affairs

Rev. James T. Burtchae11, C.S.C, provost, has announced the formation of a Committee for Black Student Affairs. Dr. Joseph W. Scott, chairman of the Black Studies Program, will head this committee. Its membership consists of the following persons:

Miss Susan Jackson--Student  
Mrs. Alma Powell--Saint Mary's Counselor  
Mrs. Brenda Wardlow--Financial Aid and Scholarships  
Mr. Archie Bradford--Director, Upward Bound  
Mr. Granville Cleveland--Assistant Librarian, Law School  
Mr. Ronald Irvine--Student  
Mr. Cassell Lawson--Counseling Center  
Mr. Dwight Murphy--Law Student, Freshman Year Advisor  
Mr. Michael Murphy--Law Student, Counseling Center  
Mr. Don Wycliff--Admissions

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# faculty notes

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## Non-university appointments

Dr. Fabio Dasilva, associate professor of sociology and anthropology, has been elected chairman of the section on "Studies in Conflict" of the International Peace Research Association during the last general meeting held at Bled Yugoslavia in October.

Dr. Robert E. Gordon, vice president for advanced studies, has been elected chairman of the Science Information Council (SIC) for a second term. The SIC advises the Science Information Service which is responsible for making scientific information available both to the scientific community and the public.

Prof. Conrad L. Kellenberg, Law School, has been appointed to the Indiana Advisory Board of the National Attorneys' Title Insurance Fund.

Mr. Edwin V. Lyon, director of maintenance, has been appointed vice president of the International Association of Physical Plant Administrators.

Dr. Basil R. Myers, chairman of the electrical engineering department, has been appointed by the American Society for Engineering Education to a planning committee for a new international journal on engineering education which the ASEE will be launching this year. Entitled *Technos*, it is the first such journal ever to be published on a regular basis in the United States.

Mr. Bazil J. O'Hagan, vice president of WNDU, has been appointed president of the Indiana Broadcasters' Association.

## Law School Advisory Council

Rev. Theodore M. Hesburgh, C.S.C., President, has announced the following appointments to the Law School Advisory Council:

Mr. William J. Casey, chairman of the U.S. Securities and Exchange Commission. Considered by fellow attorneys to be one of the leading tax authorities in the nation, Casey has served as counsel to the Senate Small Business Committee and as associate general counsel of the Marshall Plan world headquarters in 1948.

Mr. Jefferson B. Fordham, dean of the University of Pennsylvania School of Law. Fordham was a member of the law school faculty at West Virginia University and special assistant to the U.S. Secretary of Labor before his appointment to the deanship at Pennsylvania.

## Miscellany

Dr. Michael J. Francis, associate professor of government and international studies, will present a paper entitled "U.S. Economic Aid to Latin America as an Instrument of Political Control" at the Latin American Studies Association Meeting in Austin, Texas, December 2-4.

Dr. Francis spoke on "The Electoral Basis of the Allende Government" as part of a series on Chilean politics sponsored by the Committee on Latin American Studies of the University of Chicago, November 10.

Dr. Walter J. Gajda Jr., assistant professor of electrical engineering, attended the Institute of Electrical and Electronics Engineers Fall Electronics Conference where he presented two papers entitled "X-Ray Topography and Device Performance" and "A Real-Time Holographic Determination of Changes in Semiconductor Wafer Thickness" in Chicago, October 18.

Prof. Patrick Horsbrugh, visiting professor of architecture, spoke on "The Environic Foundation International" at the annual meeting of the Indiana Academy of the Social Sciences at the Center for Continuing Education October 29.

Bro. Anthony J. Ipsaro, S.M., assistant professor of education, participated in a national consortium on educational alternatives sponsored by Indiana University in cooperation with the Johnson Foundation at Racine, Wis., November 8-9.

Dr. Basil R. Myers, chairman of the Department of Electrical Engineering, served as an invited panelist at the Michigan Teachers of Mechanics Annual Conference at Tri-State College, Angola, Ind., November 5.

Dr. Myers will be serving by invitation as external Ph.D. Thesis Examiner to the Department of Electrical Engineering, Indian Institute of Technology, Madras, India.

Dean Thomas L. Shaffer of the Law School will be among the major speakers for Arizona State University's 13th annual Tax Institute at the TowneHouse in Phoenix, December 2 and 3.

Dean Shaffer chaired a public panel discussion on the South Bend work release program for inmates of the Indiana State Prison, November 17.

Dr. Boleslaw B. Szczesniak, professor of history, spoke on "The Sino-Soviet Cold War" at the annual meeting of the Indiana Academy of the Social Sciences in the Center for Continuing Education, October 28.

Dr. Robert W. Williamson, assistant professor of accountancy, served as conference coordinator for the annual meeting of the Indiana Academy of the Social Sciences in the Center for Continuing Education, October 28-29.

# events

## Saint Mary's concerts

The Saint Mary's music department will present its annual Christmas concert Sunday, December 5, at 8:00 p.m. in the Convent Church of Our Lady of Loretto. The presentation will be made up of Christmas music performed by the University Chorus, directed by Dr. Arthur Lawrence, and the Saint Mary's Glee Club, directed by Miss Susan Stevens.

Tuesday, December 7, a student organ recital will be held in Sacred Heart Church at 8:00 p.m. Students of Dr. Arthur Lawrence, assistant professor of music at Saint Mary's, and of Prof. Daniel Pedtke, associate professor emeritus of music at Notre Dame, will perform works by Bach and Franck.

The second in a series of Music-in-the-Round programs, postponed from November 22, will be held Thursday, December 9 at 8:00 p.m. in Stapleton Lounge of LeMans Hall. A program of opera scenes will be presented by students under the direction of Miss Susan Stevens, instructor of music at Saint Mary's College.

## Campus lectures

Professor Yoshikazu Nakai of Osaka University will speak on "The Theory of High Order Derivations and Some of its Applications" Friday, December 3, as part of the 1971-72 Colloquium Lectures in the Department of Mathematics.

Friday, December 10, Professor Martin Kneser of the University of Gottingen will speak on "Congruence Subgroups of Orthogonal Groups." Both lectures will be held at 4:30 p.m. in Room 226 of the Computing Center and Mathematics Building.

Mr. Dennis Curtin from the Communications Satellite Corporation will speak on "Communication Satellites and their Subsystems" Friday, December 3, as part of the Electrical Engineering Fall Colloquium Series. Mr. Curtin will speak at 3:30 p.m. in Room 303 of the Engineering Building.

Mr. Gary MacEoin of Fordham University will deliver a lecture Wednesday, December 8, as one of the final programs in the Saint Mary's Cultural Series. Mr. MacEoin will speak on "A Bishop's Synod in Rome in

1971? 1967? at 7:30 p.m. in Carroll Hall of Sister Madeleva Classroom Building.

## Saint Mary's pilot films

Saint Mary's College is the sponsor of three pilot films in a series of 13 half-hour television shows, "Are you Listening?" which began Saturday, November 27, on Channel 11, WTTW, in Chicago. The remaining films will be shown on NET stations around the country.

The purpose of the series is to give the American public an opportunity to hear directly and freely the experiences, attitudes, and problems of groups which rarely can speak publicly for themselves. Over the 13-week period, television viewers will see and hear discussions by prisoners, Chicago policemen, ADC mothers, young people at a drug center, and others.

Two of the pilots were filmed at Saint Mary's and deal with the Upward Bound program on campus and with student involvement in politics; the third, made in New York City, discusses women in the professions. Sister Miriam Patrick Cooney, C.S.C., associate professor of education, assisted with six films made in Chapel Hill, North Carolina, in the summer of 1970. The films were financed by the Babcock Foundation.

## Athletic and Convocation Center

Fred Waring and His Pennsylvanians will appear in a special concert at the Athletic and Convocation Center on Sunday, December 12, at 7:30 p.m. The concert is being offered (pre box sales) at half price to all faculty members and staff employees and their families. Special ticket purchasing services are set up in large departments and at convenient campus outlets.

Ticket prices for the concert are as follows: \$4.00 lodge, platform, floor for \$2.00; \$3.00 lower arena for \$2.00; and \$2.00 bleachers for \$1.00.

Ticket purchase locations include: Faculty Typing Pool, Main Library; Personnel Office; Laundry Office; Building Maintenance Office; Bus Shelter; North Dining Hall, Manager's Office; and South Dining Hall.

The required forms are available from the Graduate School. Direct applications are not accepted. In view of the limited number of fellowships available, it is recommended that each institution restrict its nominations to a maximum of three.

Applications for AVCO Fellowships must be received by March 1 of each year. The award date will be April 1, or as soon thereafter as is feasible.

Selection Committee: Final selection of the successful candidates will be made by an Independent Selection Committee composed of qualified representatives of the consumer credit industry and university faculties.

Number of Fellowships: Up to three Fellowships will be offered. Each Fellowship granted will be in the amount of \$6,000.

Requests for additional information should be sent to:

AVCO Financial Services Foundation  
620 Newport Center Drive  
Newport Beach, California 92660

Applications and supporting materials should be forwarded to the Graduate School for institutional selection and submission to the AVCO Foundation.

## University Committee on the Use of Human Subjects in Research

NO. FY72-30

The President of the University, upon recommendation by the Vice President for Advanced Studies, appoints to the Committee faculty representatives and public members with appropriate interest and qualifications. The Committee recommends policies and procedures and reviews research projects and proposals wherein use of human subjects are involved.

### MEMBERSHIP AS OF NOVEMBER 16, 1971

<u>Member</u>	<u>Area</u>
Ralph E. Thorson (Chairman)	Biology
Tomoaki Asano	Microbiology
Thomas F. Broden	Law
Kenyon S. Tweedell	Biology
John F. Santos	Psychology
Richard A. Kurtz	Sociology
Thomas A. Troeger, M.D.	Public (South Bend Center for Medical Education)
Francis M. Kobayashi	Executive Secretary, Office of Advanced Studies

Copies of the Committee Statement, involving Policy and Procedure are available from the Office of Advanced Studies-Division of Research and Sponsored Programs.

## Woodrow Wilson International Center for Scholars

NO. FY72-31

### Fellowship Program

Emphasis is placed on studies designed to increase man's understanding of significant international, governmental and social problems, and to suggest alternative means of resolving them. The focus is on the public policy aspects of contemporary and emerging issues which confront many peoples and, where applicable, on comparative analyses of different cultural, regional and other approaches to such issues.

A wide variety of individual studies of current problems falling within the general theme are sponsored at the Center. In addition the trustees have designated three subjects in which fellowships are specially encouraged: (1) fundamental long-run issues of peace, world order and United States international responsibilities in the post-Vietnam era; (2) man's overall relationship and response to his deteriorating environment, particularly the social, cultural, political and international dimensions of the problems of the human environment; and (3) the development of international understanding, law and cooperation in the uses of the oceans and safeguarding of the marine environment.

### Fellows:

Under the Center's year-round fellowship program, up to forty scholars--approximately half from the United States and half from other countries--are selected to work at the Center at any given time. In keeping with the Center's mandate to strengthen the ties between the world of learning and the world of public affairs, scholars are chosen from a wide variety of professions and occupations, both academic and non-academic. The first fellows have come from the social sciences, humanities and natural sciences, as well as from careers in government, law, diplomacy, labor, business and journalism. The primary concern is to select persons whose intellect, experience, and dedication enable them to contribute to the increase and diffusion of knowledge on subjects of interest to the Center in a community of scholars of like purposes.

Academic participants are limited normally to established scholars at the postdoctoral level (or the equivalent in other countries): While there are no precise higher degree requirements for nonacademic fellows, their standing in their profession or occupation, advanced degrees, writings, and honors are considered.

No arbitrary age limits have been set, and there is a wide range of ages among the fellows at the Center.

### Duration of Fellowships

The average fellowship at the Center extends from several months to a year in duration, but some periods of study of only a few weeks and a limited number of long-term appointments are also accepted.

### Selection Criteria and Process

Study proposals that fall within the Center's announced scope, are evaluated according to the following criteria: the scholarly capabilities, promise and achievements of the applicant; the likelihood of his being able to accomplish what he proposes; and the importance and originality of the proposed research. Other criteria considered include such diverse factors as the candidate's likely personal contribution to a lively intellectual atmosphere, the relevance of Washington area resources to proposed areas of study; and, for applicants from non-English-speaking countries, fluency in spoken and written English. The Center makes an effort to select individual scholars with complementary interests and expertise.

Under the Center's selection process, applications and nominations are received and processed year-round. Forms may be obtained by writing to the Center.

The normal schedule calls for the issuance of appointment invitations three times each year: March 1 (January 1 deadline for application); July 1 (May 1 deadline); and December 1 (October 1 deadline). Appointments may start at any time agreed upon after the issuance of invitations and the completion of arrangements. Ordinarily, applications should be received well in advance of the period of appointment sought, but no fixed lead time is required.

#### Facilities and Support

The Center asks each fellow requesting financial support in the first instance to utilize any available financial resources from his own institution, government, private foundation or other source for his support during the period of appointment. Thereafter, it is the Center's policy to attempt, within certain limits set by the Board of Trustees, to help each fellow in need of assistance to meet--but not exceed-- his or her earned income rate in the preceding year, on the principle that a fellowship should not involve financial gain or loss. In calculating appropriate stipends for non-U.S. scholars, cost-of-living adjustments are extended whenever possible to bring their stipends up to equivalent rate for U.S. scholars of comparable experience and position. Funds are also available to cover certain travel expenses for the fellow and his immediate family to and from Washington.

The Board of Trustees and Staff are determined that there will be spirit of complete freedom of inquiry in all scholarly work done at the Center. Government research contracts are neither sought nor accepted. No classified work may be undertaken at the Center.

The address of the Center is:

Woodrow Wilson International Center for Scholars  
Room 321 Smithsonian Institution  
1000 Jefferson Drive, S.W.  
Washington, D.C. 20560



# Current Publications And Other Scholarly Works

## SCIENCE

### Biology

- W. Haeusermann, R.W. Fay, and C.S. Hacker. "Dispersal of Genetically Marked Female *Aedes aegypti* in Mississippi." *Mosquito News* 1971, 31, 37-51.
- H. J. Saz. "Anaerobic Phosphorylation in *Ascaris Mitochondria* and the Effects of Anthelmintics." *Comp. Biochem. Physiol.* 1971, 39B, 627-637.
- R. B. Thorson, with P.J. Hitcho. "Possible Molting and Maturation Controls in *Trichinella Spiralis*." *J. Parasitol.* 1971, 57, 4, 787-793.
- \*K. S. Rai and P.T. McDonald. "Chromosomal Translocations and Genetic Control of *Aedes aegypti*." *Sterility Principle for Insect Control or Eradication.* Internatl. Atomic Energy Agency, Vienna. 1971, 437-452.

\*Under the Radiation Laboratory

### Chemistry

- \*T.P. Fehlner, with S.A. Fridmann. "Reactions of Borane ( $BH_3$ ). III. Absolute Rates of Formation of the Donor-Acceptor Adducts  $BH_3 \cdot PF_3$  and  $BH_3 \cdot N(CH_3)_3$ ." *J. Phys. Chem.* 1971, 75, 2711-2718.
- G. Binsch, E.L. Eliel, and H. Kessler. "Nomenclature for Intramolecular Exchange Processes." *Angew. Chem. Int. Ed. Engl.* 1971, 10, 570-574.
- J.P. Danehy, B.T. Doherty, and C.P. Egan. "The Oxidation of Organic Divalent Sulfur by Iodine. II. The Equilibrating Thiol-Iodine-Disulfide-Hydrogen Iodide System in Acetic Acid and Evidence for Sulfenyl Iodide Intermediates." *J. Org. Chem.* 1971, 36, 2525-2530.
- J.P. Danehy, C.P. Egan, and J. Switalski. "The Oxidation of Organic Divalent Sulfur by Iodine. III. Further Evidence for Sulfenyl Iodides as Intermediates and for the Influence of Structure on the Occurrence of Cyclic Intermediates in the Oxidation of Thiols." *J. Org. Chem.* 1971, 2530-2534.
- J.P. Danehy. "The Alkaline Decomposition of Organic Disulfides and Related Nucleophilic Displacements of Sulfur from Sulfur." *Internatl. J. Sulfur Chem., Part B* 1971, 6, 102-114.
- J.P. Danehy. "The Sulfur-Iodine Bond in Sulfur in Organic and Inorganic Chemistry." A. Senning, Editor. New York, 1971, 10, 327-339.
- E.L. Eliel, G. Binsch, and H. Kessler. "Eine Nomenclature für Intramolekulare Austauschprozesse." *Angew. Chem.* 1971, 83, 618-619.

- E.L. Eliel, L.D. Kopp, J.E. Dennis, and S.A. Evans, Jr. "The Conformation of the Alkyl Groups in  $N,N^1$ -Dialkyl-1, 3-Diazanes." *Tetrahedron Lett.* 1971, 37, 3409-3412.

\*Under the Radiation Laboratory

### Microbiology

- A.A. Nordin, with J.C. Cerottini and K.T. Brunner. "Competence of Various Cell Population for Humoral and Cell-Mediated Transplantation Immunity." *Immunopatho. With Internatl. Symp. Grindelwald, Switzerland* 1970, 97-103.
- A.A. Nordin, with J. Peiet, K.T. Brunner, and J.C. Cerottini. "The Relative Distribution of Cytotoxic Lymphocytes and of Alloantibody-forming Cells in Albino Density Gradients." *European J. Immunol.* 1971, 1, 238-242.
- J.R. Pleasants, B.S. Reddy, and B.S. Westmann, with T. Yoshida. "Amino Acid Composition of Cecal Contents and Feces in Germfree and Conventional Rabbits." *J. Nutrition* 1971, 101, 1423-1430.

### Physics

- E.D. Berners and P.R. Chagnon, with P.M. DeLuca and J.C. Lawson. "Angular Correlation Studies in  $^{32}S(^3He, p\delta)^{34}Cl$ ." *Nucl. Phys.* 1971, A173, 307.
- C.P. Browne and H. Stocker. "Additional Accurate Excitation Energies of  $^{11}B$ ." *Phys. Rev.* 1971, C4, 1481.
- E.G. Funk and J.W. Mihelich, with D.C. Sousa and L.L. Reidinger. "Decay of a New Isomer in  $^{154}Tb$  to High-Spin Levels in  $^{154}Gd$ ." *Phys. Rev.* 1971, C4, 1352.
- A.A. Rollefson and C.P. Browne, with H. Stocker. "Energy of the First Two Excited States of  $^{12}C$ ." *Phys. Rev.* 1971, C4, 1028.
- W.D. Shephard, J.T. Powers, N.N. Biswas, N.M. Cason, V.P. Kenney, R.R. Riley, D.W. Thomas, J.W. Elbert, and A.R. Erwin. "Limiting Distributions for Target Fragmentation in the Reactions  $\pi^+ + p \rightarrow \pi^+ + \text{Anything}$ ." *Phys. Rev. Letters* 1971, 27, 1164.

## ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

### Economics

- W.I. Davisson and D.J. Dugan. "Commerce in Seventeenth-Century Essex County, Massachusetts." *Essex Inst. Hist. Collections* 1971, 107, 113-142.

### English

- E.A. Kline. "The Computer, Linguistics and Poetic Style." N.D. English J. 1971, 6, 5-12.

### Philosophy

- B. Pahi. "Full Models and Restricted Extensions of Propositional Calculi." Zeitschniff fur mathematische Loeik and Grundlagen der Mathematik 1971, 17, 5-10.  
B. Pahi. "Restricted Extensions of Implicational Calculi." Zeitschrift fur mathematische Logik und Grundlagen der Mathematik 1971, 17, 11-16.

### Sociology and Anthropology

- A.J. Rubel, W.T. Liu and E. Brandewie. "Genital Mutilation and Adult Role Behavior Among Lowland Christian Filipinos of Cebu." Amer. Anthro. 1971, 73, 806-810.

### Theology

- J.M. Ford. "The Diakonia of Love." Rev. Relig. 1971, 30, 11, 618-633.  
J.M. Ford. "Tongues-Leadership-Women: Further Reflections on the Neo-Pentecostal Movement." Spiritual Life 1971, 17, 3, 186-197.  
E.D. O'Conner, C.S.C. "L'expérience du Baptême dans le Saint-Esprit, Estelle Emotionnelle?" Documents Expériences, Carhaix, France 1971, 2, 55-60.  
E.D. O'Conner, C.S.C. "Réveil à South-Bend." Documents Expériences, Carhaix, France 1971, 2, 34-35.

## BUSINESS ADMINISTRATION

### Management

- J.W. Houck. "About the Teacher William Rollison... in the Manner of Legal Realism." N.D. Lawyer 1971, 47, 15-18.

## EDUCATION

### Graduate Studies in Education

- C.W. Tageson. "Counseling for Religious Careers." Rev. Relig. 1971, 30, 854-862.  
C.W. Tageson. "The Problem of Personal Freedom in Contemporary Psychology." N.D.J. Educ. 1971, 2, 123-131.  
P.G. Banikiotes, J.M. Russel, and J.D. Linden. "Interpersonal Attraction Methodology: Oversimplified or Related to Real Interaction?" Proc. 79th Annual Conv., Amer. Psych. Assoc. 1971, 279-280.

- P.G. Banikiotes, F.G. Banikiotes and A.A. Montgomery. "Auditory Reinforcement of Infant Vocalizations." Proc. 79th Annual Conv., Amer. Psych. Assoc. 1971, 135-136.

## ENGINEERING

### Aerospace and Mechanical Engineering

- J.W. Lucey. "What is Nuclear Energy?" Tram. Amer. Nucl. Soc. 1971, 14, 450.

### Chemical Engineering

- W.C. Streider. "Gaseous Self-Diffusion Through a Porous Medium." J. Chem. Phys. 1971, 54, 4050-4053.  
F.H. Verhoff and W.C. Streider. "Numerical Studies of Knudsen Diffusion and Chemical Reaction in Capillaries of Finite Length." Chem. Eng. Sci. 1971, 26, 245-253.  
N.D. Sylvester, M.A. Tuck, and T. Ariman. "On the Analysis of Time-Dependent Blood Flow." Proc. 3rd Canadian Cong. Appl. Mech. 1971, 785-786.

### Civil Engineering

- W.F. Echelberger, Jr., J.L. Pavoni, P.C. Singer, and M.W. Tenney. "Disinfection of Algal Laden Waters." J. Sanitary Eng. Div., ASCE 1971, 97, 721-730.

### Electrical Engineering

- W.B. Berry and P.X. D'Souza. "Development of a Two Dimensional Model of a Solar Cell." Proc. IEEE Fall Electronics Conf. 1971, 27 175-180.  
M.K. Sain and M.V. Maguire. "A Non-symmetric Riccati Equation of Linear Quadratic Gaussian Control." Proc. 5th Annual Princeton Conf. Inform. Sci. Systems 1971, 99.

## ST. MARY'S COLLEGE

### History

- C.K. Pullapilly. "The Hindu Symbolisms in Syro-Malabar Liturgy and Devotions." One Church 1971, 25, 2, 71-74.  
C.K. Pullapilly. "Malabar Christians." Encyclopedia Britannica, 1971, 14, 657-658.  
C.K. Pullapilly. "Rome: Istituto Storico Italiano per l'Eta Moderna e Contemporanea, 1969 and 1970." Amer. Hist. Rev. 1971, 76, 3, 794-795.

# Monthly Summary

## Awards Received

IN THE MONTH OF OCTOBER, 1971

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
Biology	Craig	Supply allowance, PHS research fellowship	Natl. Inst. Health	1,000 1 yr.
Aerospace Mechanical Eng.	Nee	Diffusion about wing surfaces	U.S. Air Force, AFOSR	48,738 2 yr.
Aerospace Mechanical Eng.	Mueller	Flow regions within altitude compensating nozzles	Natl. Aero. Space Admin.	9,531 7 mos.
Chemistry	Freeman	Gift for research	Earl L. Muettterties	500 ---
AWARDS FOR FACILITIES AND EQUIPMENT				
Aerospace Mechanical Eng.	Mueller, Lloyd	Heart valve prothesis	Shiley Lab., Inc.	250 ---
Metallurgical Eng.	Fiore	Power supply, torch, and regulator	Union Carbide Corp.	1,050 ---
AWARDS FOR EDUCATIONAL PROGRAMS				
Inst. Urban Studies	Broden	Conference on urban ministry	Interrel. Fdtn. Commun. Organ.	3,000 ---
Law School	Foschio	St. Joseph County prosecution internship program	Ind.Crim.Just. Plan.Agency	11,592 10 mos.
Art	Beckman	Industrial design	Ford Motor Co.	10,000 1 yr.
Biology	Weinstein	Biology seminar program	G.D. Searle Co.	500 ---

## Summary of Awards Received and Proposals Submitted

IN THE MONTH OF OCTOBER, 1971

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	\$ 58,269	2	\$ 1,500	4	\$ 59,769
Facilities and Equipment	-	---	2	1,300	2	1,300
Educational Programs	2	21,592	2	3,500	4	25,092
Service Programs	-	---	-	---	-	---
Total	4	\$ 79,861	6	\$ 6,300	10	\$ 86,161

### PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$ 229,847	18	\$ 800,714	21	\$1,030,561
Facilities and Equipment	-	---	1	12,300	1	12,300
Educational Programs	-	---	1	45,242	1	45,242
Service Programs	-	---	-	---	-	---
Total	3	\$ 229,847	20	\$ 858,256	23	\$1,088,103

## Closing Dates For Selected Sponsored Programs

Agency	Program	Application Closing Dates	
Atomic Energy Commission	Summer Student Research Participation at AEC Labs.	January	1, 1972
Department of Labor	Manpower Development Research and Doctoral Dissertation Grants	January	1, 1972
National Endowment for the Humanities	Education Development Grants in the Humanities	January	1, 1972
National Center for Health Services Research and Development	Research Fellowships	January	2, 1972
National Institutes of Health	Fellowships in Laboratory Animal Resources	January	1, 1972
	Postdoctoral and Special Research Fellowships in Library of Medicine	January	2, 1972
National Research Council	Postdoctoral Research Associateships	December	28, 1971
	NASA Postdoctoral Associateships	January	8, 1972
National Science Foundation	Undergraduate Instructional Scientific Equipment Program	January	31, 1972
Smithsonian Institution	Predocctoral and Postdoctoral Fellowships	January	15, 1972
	Visiting Research Associateships	January	15, 1972
	Woodrow Wilson International Center for Scholars	January	1, 1972
U.S. Office of Education	Fellowships for Leadership Development	January	31, 1972
	Language and Area Centers Program	January	1, 1972
	College Library Resources Program	January-March, 1972	

# documentation

## University of Notre Dame Semester Examination Schedule Fall 1971-72

- I. LAST CLASS DAY: Friday, December 10, 1971. Examinations begin at 2:00 P.M., Sunday, December 12, 1971, and continue through to 4:00 P.M., Saturday, December 18, 1971.
- II. FINAL EXAMINATION REGULATIONS: Two hour finals must be given on the assigned examination dates. Changes in the hour, date or place of an examination as assigned by the Office of the Registrar are not permitted. Unless a course is designated as a departmental, the examination in each section of the class must be given at the hour designated.
- III. JANUARY GRADUATES: Names of eligible students will be provided to the faculty. These students take their final examinations at the regularly scheduled time. If a graduating student has a "B" average in the class, he may be exempt from the final examination at the discretion of the professor.
- IV. NIGHT CLASSES: Professors teaching courses in the evening will appoint a suitable two hour period during one exam and a classroom will be assigned to you.
- V. FRESHMAN DEPARTMENTALS: All freshmen courses are examined departmentally, although professors need not give a uniform departmental exam. Freshmen with conflicts in Social Science courses on December 13, 1971, are to report to Freshman Year of Studies Office.
- VI. UPPERCLASS DEPARTMENTALS: Upperclass courses which are authorized departmental examinations are:

<u>Department &amp; Course Number</u>	<u>Examination Time</u>	<u>Date of Examination</u>
ACCT 221	2:00-4:00 P.M.	Friday, December 17
AERO-ME-EGSC-CHEG-CE 334	7:00-9:00 P.M.	Tuesday, December 14
BIOL 201L	7:00-9:00 P.M.	Wednesday, December 15
CHEM 223L	2:00-4:00 P.M.	Monday, December 13
ECON 223	7:00-9:00 P.M.	Monday, December 13
EG 120-222-225-226	2:00-4:00 P.M.	Monday, December 13
EG 321	2:00-4:00 P.M.	Saturday, December 18
EG 328	7:00-9:00 P.M.	Friday, December 17
FIN 231	7:00-9:00 P.M.	Thursday, December 16
MARK 231	7:00-9:00 P.M.	Tuesday, December 14
ME-EGSC-CE 236	7:00-9:00 P.M.	Friday, December 17
MGT 231-234	7:00-9:00 P.M.	Sunday, December 12
MATH 225	2:00-4:00 P.M.	Friday, December 17
MOD LANG 111-121	2:00-4:00 P.M.	Thursday, December 16
PHYS 201-221	7:00-9:00 P.M.	Sunday, December 12
ROTC	8:00-10:00 A.M.	Thursday, December 16
MGT 234	7:00-9:00 P.M.	Wednesday, December 15

VII. NON-DEPARTMENTALS: Non-departmental exams are "class" exams; they meet in the same classroom used during the semester. Please note the exact starting time for each examination since these hours differ from the starting hours of the classes.

Classes Meeting At:	Will be Examined At:	Date:	Classes Meeting At:	Will be Examined At:	Date:
8:00 A.M. MON*	10:30 A.M. WED	DEC 15	8:00 A.M. TUES*	8:00 A.M. WED	DEC 15
9:05 A.M. MON	10:30 A.M. TUES	DEC 14	9:05 A.M. TUES	8:00 A.M. TUES	DEC 14
10:10 A.M. MON	10:30 A.M. FRI	DEC 17	10:10 A.M. TUES	8:00 A.M. SAT	DEC 18
11:15 A.M. MON	10:30 A.M. SAT	DEC 18	11:15 A.M. TUES	2:00 P.M. SUN	DEC 12
1:15 P.M. MON	8:00 A.M. MON	DEC 13	1:15 P.M. TUES	8:00 A.M. FRI	DEC 17
2:20 P.M. MON	2:00 P.M. THUR	DEC 16	2:20 P.M. TUES	7:00 P.M. THUR	DEC 16
3:25 P.M. MON	10:30 A.M. THUR	DEC 16	3:25 P.M. TUES	8:00 A.M. THUR	DEC 16
4:30 P.M. MON	2:00 P.M. MON	DEC 13	4:30 P.M. TUES	8:00 A.M. THUR	DEC 16

\* MONDAY: Includes classes which meet for the first or only time each week on either MON or WED or FRI.

TUESDAY: Includes classes which meet for the first or only time each week on either TUES or THUR.

75 or 90 MINUTE CLASSES: These are to be examined at the time which corresponds to the starting time of a 50 minute class held at the same hour, i.e., 8TT10 will be examined at the same time as 8TTF, etc.

TIME	SUN DEC 12	MON DEC 13	TUES DEC 14	WED DEC 15	THUR DEC 16	FRI DEC 17	SAT DEC 18
8:00 A.M. to 10:00 A.M.		1:15 MON	9:05 TU	8:00 TU UNSC 111-111A	4:30 TU 3:25 TU ROTC (uppercl)	1:15 TU	10:10 TU
10:30 A.M. to 12:30 P.M.			9:05 MON	8:00 MON	3:25 MON	10:10 MON	11:15 MON
2:00 P.M. to 4:00 P.M.	11:15 TU PHYS 125-141	4:30 MON CHEM 223L EG 120-225-226 HIST 109H-111113 PSY 111 SOC 111-115	THEO 101-102105 PHIL 101	EG 222 CHEM 115 GEOL 101-103L141-141L PHYS 111	2:20 MON ML 111-121	MATH 100-101102-105-106125-163-165225 ACCT 221	FY SEM 180 (of all dept) ENGL 109 EG 321
7:00 P.M. to 9:00 P.M.	MGT 231 PHYS 201-221 ROTC (FY)	ECON 121-223	MARK 231 AERO-ME-CHEG-EGSC-CE 334 BIOL 101	MGT 234 BIOL 201L	2:20 TU FIN 231	EG 328 ME-EGSC-CE 236	

# Saint Mary's College Semester Examination Schedule Fall 1971-72

- I. The last day of classes is Friday, December 10, 1971. Examinations begin at 2:00 p.m., Sunday December 12, 1971 and continue through 4:00 p.m., Saturday, December 18, 1971.
- II. The examination schedule may not be changed without permission of the Academic Dean.
- III. Examination for labs, studios, language conversation courses, night classes, and private classes will be given the last week of classes (December 6-10).
- IV. 75 and 90 minute classes will be examined at the time which corresponds to the starting time of a 50 minute class held at the same hour.

<u>CLASSES</u> <u>MEETING AT:</u>	<u>WILL BE</u> <u>EXAMINED AT:</u>	<u>DATE:</u>	<u>CLASSES</u> <u>MEETING AT:</u>	<u>WILL BE</u> <u>EXAMINED AT:</u>	<u>DATE:</u>
8:00 A.M. MON	10:30 A.M. WED	DEC 15	8:00 A.M. TUE	8:00 A.M. WED	DEC 15
9:05 A.M. MON	10:30 A.M. TUE	DEC 14	9:05 A.M. TUE	8:00 A.M. TUE	DEC 14
10:10 A.M. MON	10:30 A.M. FRI	DEC 17	10:10 A.M. TUE	8:00 A.M. SAT	DEC 18
11:15 A.M. MON	10:30 A.M. SAT	DEC 18	11:15 A.M. TUE	2:00 P.M. SUN	DEC 12
12:05 A.M. MON	10:30 A.M. MON	DEC 13	12:15 P.M. TUE	10:30 A.M. MON	DEC 13
1:15 P.M. MON	8:00 A.M. MON	DEC 13	1:15 P.M. TUE	8:00 A.M. FRI	DEC 17
2:20 P.M. MON	2:00 P.M. THU	DEC 16	2:20 P.M. TUE	7:00 P.M. THU	DEC 16
3:25 P.M. MON	10:30 A.M. THU	DEC 16	3:25 P.M. TUE	8:00 A.M. THU	DEC 16
4:30 P.M. MON	2:00 P.M. MON	DEC 13	4:30 P.M. TUE	8:00 A.M. THU	DEC 16

(Includes classes which meet for the first time or only time on Monday or Wednesday)

(Includes classes which meet for the first time or only time on Tuesday or Thursday)

## AUTHORIZED DEPARTMENTAL EXAMINATIONS

### DEPT & COURSE

CHEM 215  
ENG 102, 103, 104  
HIST 101  
MLFR 121  
MLGR 121  
MLIT 121  
MLSP 121  
POSC 152  
RLST 233, 234, 355  
RLST 359  
SOC 153, 319  
SPDR 135

### EXAMINATION TIME & DATE

2:00 P.M. THURSDAY, DECEMBER 16  
7:00 P.M. TUESDAY, DECEMBER 14  
7:00 P.M. MONDAY, DECEMBER 13  
2:00 P.M. SUNDAY, DECEMBER 12  
2:00 P.M. SUNDAY, DECEMBER 12  
7:00 P.M. WEDNESDAY, DECEMBER 15  
7:00 P.M. WEDNESDAY, DECEMBER 15  
2:00 P.M. TUESDAY, DECEMBER 14  
7:00 P.M. MONDAY, DECEMBER 13  
10:30 A.M. FRIDAY, DECEMBER 17  
7:00 P.M. SUNDAY, DECEMBER 12  
10:30 A.M. FRIDAY, DECEMBER 17

# Notre Dame-Saint Mary's Unification

November 30, 1971

To the Faculty, Administrators, and Students  
of the University of Notre Dame and Saint Mary's College:

At a joint meeting held last May the Boards of Trustees of both our schools announced their intention to unify Notre Dame and Saint Mary's. This agreement reflected a positive mood of collaboration and hope on our two campuses during the previous months. As the Trustees stated at that time, final arrangements would have to await a very thorough financial study and further consultation.

Continued consultations have taken place, conducted by ad hoc committees of the two Boards. At the end of many months of study and consideration it is the advice of these committees that it will not be possible for Notre Dame and Saint Mary's to become one institution at this time. Many experiences that have been shared by the two schools suggest that unification may nevertheless follow at some time in the future but we are unable at the present time to reach a mutually satisfactory agreement that would achieve it now. This has been a sobering and a responsible decision albeit a disappointing one.

Within the University and the College this will necessitate a number of changes. Effective immediately the Notre Dame Academic Council and the Saint Mary's Academic Affairs Council will meet separately but as before will exchange observers. Saint Mary's faculty members will no longer sit on Notre Dame College Councils or in Notre Dame faculty meetings but here, too, the continued presence of Saint Mary's faculty as liaison persons is strongly urged. The Faculty Senates, too, will resume separate identity.

Saint Mary's College will resume responsibility for all future appointments of its own faculty, the University of Notre Dame no longer continuing its earlier provisional commitment to offer appointments to them.

To all present students at Saint Mary's College a strong commitment is made that the curricular modifications made in their study schedules will be respected toward Saint Mary's degrees. Saint Mary's College Chairmen and College Dean will exercise all possible consideration to assure this.

At present there are students at Saint Mary's College in the classes of 1972 and 1973 who have already registered as majors in the Colleges of Business Administration and Engineering. Saint Mary's College does not offer degrees in these fields. The University of Notre Dame will undertake to give them its degree upon successful completion of these courses.

Many functions at the two schools might possibly benefit from continued collaboration but this requires discussion among the responsible personnel themselves. Therefore, the inter-institutional teams are being asked to review these possibilities and to submit their recommendations on possible collaboration to the two presidents.

Financial arrangements presently in force between the two schools will continue throughout the rest of this year. Next year, however, services rendered to students of the opposite institution will generally be done for a charge.

1. Tuition: Each school will charge the other the tuition for co-ex courses taken, at rates to be determined.
2. Libraries: Library privileges are available free to both faculties, and to students registered for co-ex courses. For other students, a semesterly fee will be charged to the individuals.
3. Athletic Facilities: As of September 1972, Saint Mary's College students may use Notre Dame athletic facilities upon payment of a single annual fee.



Discussions will continue about the possible availability of Notre Dame degrees to other Saint Mary's students than those mentioned. Our present understanding is that all courses at either school will be open to students at the other school provided that they have clearance from their department and meet the admission requirements for the course. Many possible alternatives should offer themselves to students at either school as result of ongoing collaboration. These remain to be explored. The advisability of merging certain academic departments and/or majors will be studied. Cooperation in social, cultural, and spiritual areas of student life will continue between the two institutions.

We are deeply appreciative of the thorough and generous planning which has been undertaken in the departments, colleges, and offices of Notre Dame and Saint Mary's. In hopes that our schools might be combined into one, many faculty, administrators, and students have worked steadfastly and creatively. We hope that the benefit of these labors will not be lost.

Devotedly in Our Lady,

*Theodore M. Hesburgh, csc*  
(Rev.) Theodore M. Hesburgh, C.S.C.  
President  
University of Notre Dame

*Sister M. Alma Peter, csc*  
Sister M. Alma Peter, C.S.C.  
Acting President  
Saint Mary's College

## Wage Freeze

November 19, 1971

To The Faculty:

I am most pleased to inform you that on Thursday, November 18, we received notification from the Economics Stabilization Board that effective immediately the University is authorized to adjust faculty pay rates to the level contracted for the academic year 1971-72. Unfortunately, this information reached us too late to allow for an adjustment to be made in your November 30 check. Therefore, this increase will appear in your December 31 check which you will receive before the Christmas holidays.

At the moment, we have no word whether or not this ruling may be retroactive to September 1. I wish to assure you, however, that the University is making every effort in your behalf to accomplish this. Hopefully, should notification reach us at any time in the near future that this regulation is to be retroactive, we shall act immediately upon such a ruling.

Devotedly,

*James T. Burtchell, csc*  
(Rev.) James T. Burtchell, C.S.C.  
Provost

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## notre dame report

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