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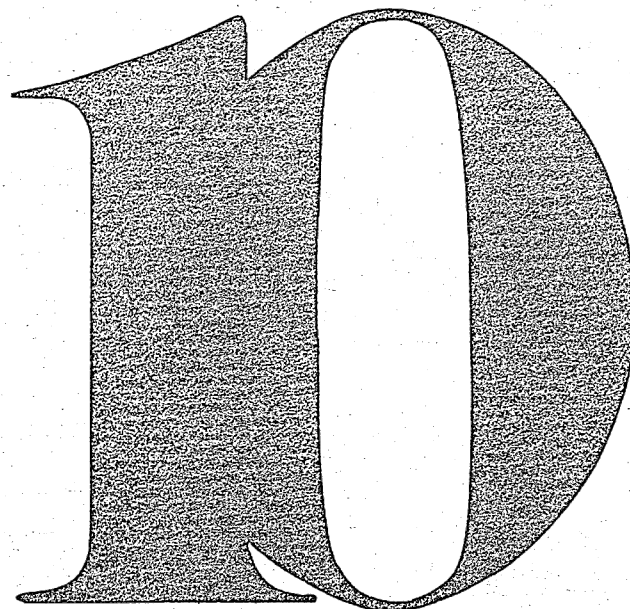
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the university

Official announcements

ERRATUM: Two lines were inadvertently omitted from the Report of the Ad Hoc (Student-Faculty) Committee on Restoring the Honor Concept, Conclusion 5, ND Report #7, p. 103. The paragraph should read as follows:

5) The committee takes note of some plan, now under consideration, to pursue the honor approach in the College of Engineering. The details of this effort have not yet been made available to this committee. An attempt in a single college could spark increased student interest in an honor approach for the entire University. There appears, however, no need to continue this student-faculty committee into the next academic year. The new administration of the Student Government has promised a broad review of the matter of students' rights and responsibilities. Student responsibility vis-a-vis academic dishonesty should arise in this context. The faculty members of this committee have assured the students that the Student Affairs Committee of the Faculty Senate stands ready to assist them in this review.

Law School renovation

The University recently announced a \$1.6 million expansion and renovation of its Law School building. Most of the construction funds are expected to come from a \$1 million federal loan to be repaid over a period of time with proceeds from commitments to a recent Law School fund-raising campaign and from a \$208,000 federal grant, according to Rev. Theodore M. Hesburgh, C.S.C., President. "We also hope to interest new donors in the project," Father Hesburgh said.

The construction, which is scheduled to start in June and be completed before August, 1973, will approximately double usable space in the present law building, which was erected in 1930. The new space will be used for library study areas, new stack areas for books, and office and work areas for the library staff. It will also include new space for student organizations and for group study.

The addition, which will be on the east side of the present structure, will free areas now used for books, and they will be remodeled into faculty offices, an expanded student lounge area, seminar rooms and an

additional classroom. Included in extensive renovation of the existing building will be air conditioning and a more flexible classroom design.

"Study space and book space will be doubled," Dean Thomas L. Shaffer said. "Classroom space will be about 30 per cent more than it is now, and staff and faculty office space will be increased about 50 per cent. We will have a facility which can accommodate a rapid library expansion from the present 80,000 volumes to 150,000 and adapt to new methods of storing and retrieval of legal materials as they become available," the dean stated.

Shaffer said the expansion and renovation replace plans for a new law building on campus. With less money going toward construction, proceeds of the recent Law School fund drive can be used to meet other needs, Shaffer said. "One million dollars will endow two law professorships, and another half million will endow scholarships," he stated. "I also hope to devote up to a million dollars, as pledges are paid, to development of the law library," he added. The dean said future plans of the Law School include further expansion of endowed scholarships, the development of the school's own revolving loan program, and new forms of legal research.

1972 Alumni Association Board of Directors

The following have been elected to the board of directors of the Notre Dame Alumni Association:

Region 2--Patrick H. Meenan, Casper, Wyoming, radio executive; BSC 1949.

Region 5--Robert J. Metzler, Kansas City, Missouri, insurance director; B.S. 1944

Region 11--Richard W. Murphy, Boston, Massachusetts, attorney; A.B. 1958.

Region 12--Peter J. Cannon, Washington, D.C., representative to the Illinois Institute of Technology; B.S.A.E., M.S.A.E. 1956, 1958.

Region 15--Martin R. O'Connor, Ft. Myers, Florida, seafood firm; A.B. 1951, L.L.B., 1956.

At-Large--Coleman C. "Cooley" O'Brien--McLean, Virgi-

nia; third-year law student, Notre Dame; B.A. 1969.

The new directors attended their first board meeting January 27, 28 and 29 on the campus.

In the news

Rev. Edward Heston, a Holy Cross priest who heads the Vatican's communications, will receive episcopal ordination at special ceremonies in St. Peter's Basilica Feb. 13 at which Pope Paul VI will officiate (National Catholic News Service, Jan. 7). . .

Dr. George N. Shuster was the subject of a profile in the Jan. 7 National Catholic Reporter and was praised in an article on campus leadership by New York Timesman Fred M. Hechinger in the winter issue of Change Magazine. . . In the same article, Father

Hesburgh is described as a college president who combines "the broad-gauged national spokesman's courage and prestige and the more intimate capacity to act as a parent to restless post-adolescents". . .

Former Law Dean William B. Lawless wants to be a candidate for the New York State governorship in 1975, according to the Jan. 3 issue of New York Magazine. . .

The "Ten Most Admired Men" list set syndicated Los Angeles Times columnist Clayton Fritchey to wondering how George Wallace can be admired over "such figures as Dr. Jonas Salk, Henry Ford, George Meaney, J. Edgar Hoover, and Father Theodore Hesburgh of Notre Dame, all of whom have in different ways made unique contributions to American society". . .

Father James T. Burtchae II's article on Catholicism at Notre Dame was reprinted in the January issue of Saint Anthony Messenger.

faculty notes

University appointments

Rev. Theodore M. Hesburgh, C.S.C., President, has announced the appointment of two members to the Law Council and one additional council member for the College of Business Administration.

Named to the Law Council are Attorneys Richard P. Byrne, a member of the Bodkin, Breslin and Luddy law firm of Los Angeles, Calif., and Alphonse A. Sommer Jr., a member of the firm of Calfee, Halter, Calfee, Griswold and Sommer of Cleveland, Ohio.

Byrne is a former chairman of Junior Barristers of Los Angeles County and is the author of an article, "The Legal Rights of the Unborn Child," which appeared in a recent issue of the County Bar Bulletin. He has been a member of the Notre Dame Law Association since 1956.

Sommer is president and director of the Welfare Federation of Greater Cleveland and the author of several articles on corporate reorganizations and financial matters which have appeared in professional publications. He is a trustee of Notre Dame's Law Association.

Named to the College of Business Administration Council is Kenneth M. Piper of Evanston, Ill. He is vice president for human relations of the Motorola Company and senior vice president of the American

Security Council. Piper is also a member of the Advisory Committee of Employers' Association of Greater Chicago and a member of the Industrial Relations Executive Committee of the Electronic Industries Association.

Non-university appointments

Dr. Patrick J. Callahan, assistant professor of English, has been elected co-chairman of the Seminar in Science Fiction for the MMLA for 1972.

Dr. Dennis J. Dugan, chairman of the Department of Economics, has been appointed director of economic analysis on the Gary Income Maintenance Experiment in Gary, Indiana. This experiment is one of four such negative income tax programs financed by the Federal Government throughout the country. It is a four-year program in which participants receive a guaranteed annual income.

Philip J. Faccenda, general counsel and vice president of the University, has been elected vice president of finance of the South Bend-Mishawaka Area Chamber of Commerce.

Dr. Astrik L. Gabriel, director of the Mediaeval Institute, has been elected first vice president of the American Catholic Historical Association (ACHA). His election, which took place Dec. 28 at

the organization's 52nd annual meeting at the Catholic University of America in Washington, D.C., means that he will succeed Dr. Albert C. Outler as ACHA president in 1973.

Two former members of Notre Dame's Institute for Studies in Education have received recent appointments. Rev. Neil J. McCluskey, S.J., former dean-director of the Institute, is the first dean of the education department of Herbert H. Lehman College of the university system of New York City. Rev. William B. Friend, former acting director of the Office of Educational Research and now superintendent of schools in the diocese of Mobile, Ala., was elected to the board of trustees of Mount Saint Mary's College, Emmitsburg, Md.

Dean Thomas L. Shaffer of the Law School has been elected to the Council of the Probate, Real Property, and Trust Section of the Indiana State Bar Association.

Rev. Joseph L. Walter, C.S.C., chairman of the Department of Preprofessional Studies, has been named to the Committee on Liaison with External Organizations of the Association of American Medical Colleges. The committee is concerned with fostering cooperative relations between the AAMC and such outside organizations as the American College Health Association, student organizations and various Federal agencies.

Three members of the Law School faculty have been appointed by Prof. Richard Maxwell, president of the Association of American Law Schools, to 1972 AALS committees: Prof. Emeritus Edward F. Barrett, Continuing Legal Education; Prof. Francis X. Beytagh, Government Relations; and Dean Thomas L. Shaffer, Journal of Legal Education Advisory Board.

Krause invested as Knight of Malta

Edward (Moose) Krause, athletic director, joined the oldest order of chivalry in the world January 17 at investiture ceremonies as a Knight of Malta in New York City. Only 850 Americans claim membership in the organization, founded in the 11th Century.

Terence Cardinal Cooke, archbishop of New York, presided at the ceremonies for Krause and other new members in St. Patrick's Cathedral. Later that evening the new members and their families were honored at a banquet in the Waldorf Astoria Hotel.

The Knights of Malta organization was founded in the pre-Crusade era by European pilgrims as the Hospitallers of St. John of Jerusalem, a charitable order working with the poor and the sick. Charitable work has continued as the prime activity of the 8,000-member worldwide group, but it assumed a military character in defense against Turkish attacks on Jerusalem during the Crusades era.

Now headquartered in Rome, the order has the privilege of diplomatic representation at the Holy See. New members are selected by the existing members from leading Catholic clergy and laymen in the countries where it maintains chapters.

Miscellany

Rev. James T. Burtchaeil, C.S.C., provost, and Msgr. John J. Egan, senior fellow in pastoral theology and an associate in Notre Dame's Institute for Urban Studies, were among many noted authorities speaking at the 25th Cana Conference of Chicago on the "Family in Transition" January 20-22. Former Notre Dame Professor of Law John Noonan and former Notre Dame Visiting Professor of Pastoral Theology Henri Nouwen also took part in the family life seminar.

Dr. Patrick J. Callahan, assistant professor of English, presented a lecture entitled "Science Fiction: The Term and the Teacher" to the Midwest Modern Language Association Convention in Detroit, November 6.

Dr. Eugene A. Campanale, associate director of the Office of Teacher Preparation in the education department and chairman of the Department of Education at Saint Mary's College, is serving as a part-time consultant to the Indiana State Department of Public Instruction for Teacher Education and Certification.

Rev. Mark J. Fitzgerald, C.S.C., director of the industrial relations section of the economics department, has been invited by President Richard M. Nixon to participate in a White House Conference, "The Industrial World Ahead," February 7-9. The first of its kind the conference will bring together national leaders in various fields related to the private enterprise system for an in-depth look at the economic future. Co-chairman of the meetings will be Secretary of Commerce Maurice H. Stans and Secretary of Labor James D. Hodgson.

Assistant Dean Leslie G. Foschio and Associate Dean David T. Link of the Law School will be guest speakers at the meeting of the New York State Bar Association in New York City January 28.

Dr. Philip J. Gleason, chairman of the Department of History, presented a paper on "'Americanism' and 'Americanization' in American Catholic History" at the meeting of the American Historical Association in New York City, December 28.

Dr. Gleason is also serving this year as secretary of the Catholic Commission on Intellectual and Cultural Affairs. He took part in a meeting of the Executive Board of the Commission December 5, in Washington, D.C.

Prof. Robert Leader, professor of art, completed at Christmastime a large stained glass window for the portals of St. Olaf Church in downtown Minneapolis. This church, built in 1953, is distinguished as one of the earliest modern-style examples of Catholic church architecture in Minnesota. Leader was commissioned to begin the glass work in 1971 after serving as liturgical artist and design consultant in five recent churches in the Twin-Cities area: Presentation Church (Maplewood), St. Rose of Lima (Roseville), St. Alphonsus (Brooklyn Center), St. Stephens (Anoka), and St. Therese (Deephaven).

Dr. James L. Massey, professor of electrical engineering who is on leave of absence to the Royal Tech-

nical University of Copenhagen, Denmark for 1971-72, presented lectures on aspects of recent developments in coding theory on November 18, at Lund (Sweden) Institute of Technology, on January 19-20, at Katholieke Universiteit Leuven, Leuven, Belgium, and on January 21, at Philips Research Labs, Eindhoven, The Netherlands.

Dr. John O. Meany, associate professor in the department of graduate studies in education, participated in the Ecumenical Institute on Spirituality, a worldwide gathering of scholars, in Washington, D.C., December 30-January 2. Meany gave a presentation at the meeting which was concerned primarily with the psychological aspects of prayer in a changing cultural environment.

Prof. Edward J. Murphy of the Law School addressed a luncheon of Notre Dame law alumni in Chicago during the mid-winter meeting of the Illinois State Bar Association, January 20.

Dr. Christopher O. Osakwe, assistant professor of law and government, gave a lecture on "The Impact of Socialist Law on the Development of African Legal Systems" as a special guest lecturer at the Institute of Comparative Law of Tulane Law School, January 13.

Dr. Morris Pollard, director of the Lobund Laboratory, was guest speaker at the National Conference on Research Animals in Medicine in Washington, D.C., January 28-29. The conference was sponsored by the National Heart and Lung Institute of the National Institutes of Health.

Prof. Charles E. Rice of the law School spoke to the South Bend-Mishawaka Area Chamber of Commerce December 28 as part of a brush-up seminar on parliamentary procedure.

Prof. Walter A. Rice and Dean Thomas L. Shaffer of the Law School were honored recently at a banquet in the Indiana Club by the St. Joseph County Bar Association. Rice has been a member of the bar since 1921.

Dean Thomas L. Shaffer addressed a luncheon meeting of the Indiana Civil Liberties Union in Indianapolis, January 15. He was also a guest speaker during the meeting of the New York State Bar Association in New York City, January 28.

Dr. Michael K. Sain, associate professor of electrical engineering, presented an invited lecture "Solving Social Problems by Long Division" at the Department of Electrical Engineering, Texas Tech University, Lubbock, Texas, January 17.

Dr. Maurice Schwartz, assistant professor of chemistry, spoke on "Core-Level Binding Energy Shifts from Molecular Orbital Theory" as one of five panelists discussing electron spectroscopy at a symposium under the Case Western Reserve University's Frontiers in Chemistry Lecture Series, January 10-11.

Msgr. Edward F. Spiers, associate in the Office for Educational Research, spoke on "Organization and Activities at the World Synod of Bishops" for the Orestes Brownson Society's opening lecture for the winter series, January 31. Monsignor Spiers represented the Diocese of Columbus and Notre Dame's OER at the Synod which was held in Rome during October.

Dr. Wilhelm Stoll, professor of mathematics, was the first invited participant in the special emphasis program in several complex variables sponsored by the mathematics department of the University of Washington and the Battelle Seattle Center, January 9-16.

Dr. James E. Ward, associate professor of history, spoke on "Napoleon: The Man and the Myth" to students and history faculty of St. Joseph's College, Collegeville, Ind., December 7.

Necrology

Fred G. Christman III, a senior in the College of Business Administration, was killed in an auto accident in Colorado on December 19. Christman was a resident of Terre Haute, Indiana.

events

Campus lectures

Honorable Paul Martin, P.C., leader of the government in the Senate of Canada since 1968, will speak in the Continuing Education Center Auditorium February 7 at 8 p.m. The lecture is sponsored by the Institute for International Studies. A member of the House of Commons since 1935, Senator Martin has been responsible for some of Canada's most significant social and political advances.

After serving as dean of the House of Commons, an official delegate to the Nineteenth Assembly of the League of Nations and Parliamentary Assistant to the Minister of Labour, Senator Martin was appointed Secretary of State in 1945, during which time he guided the Canadian Citizenship Act through Parliament.

In 1946 Senator Martin became Minister of National Health and Welfare and in that post succeeded in the inauguration of the National Health program in 1948, the development of the Federal Old Age Security Plan in 1951, and in 1957, introduced the Hospital Insurance and Diagnostic Services Act. It was during this period the groundwork was laid for Medicare.

Although his ministerial responsibilities until 1957 were in the domestic field, he maintained an active interest in the work of the United Nations and its subsidiary organs. Senator Martin also served as Secretary of State for External Affairs from 1963-1968. ■

Professor John Higham of Johns Hopkins University will present the first of the Department of History's spring semester lectures Tuesday, February 1 at 8 p.m. in the Memorial Library Auditorium. Dr. Higham will speak on "Ethnicity in America: The Melting Pot and Its Critics."

Several noted educators will participate in an American Minorities Lecture Series which begins this month. Each will spend two days on the campus and deliver three talks on "Socio-Political Conditions and Liberation Movements" of their minority interest. One lecture in each series will be an evening event and will be open to the public without charge, beginning at 7:30 p.m. in the Memorial Library Auditorium.

Dr. James Turner, director of African Studies and Research Center at Cornell University, Ithaca, New

York, will give the first lecture on Afro-Americans February 10. Dr. Eduardo-Seda Bonilla, director of Puerto Rican Studies at Hunter College, New York, N.Y., will speak on Wednesday, February 16.

Dr. J. Wermer of Brown University will speak on "Complex Analysis" February 11 at 4:30 p.m. in Room 226 of the Computing Center and mathematics Building as part of the 1972 colloquium lectures in the Department of Mathematics.

Dr. George R. Stark, professor of biochemistry in the School of Medicine, Stanford University, Stanford, Calif., will deliver the Reilly Lectures in Chemistry February 14, 16 and 18 at 4:30 p.m. in Room 123, Nieuwland Science Hall. The three lectures will cover the areas of "Kinetic Studies and Interactions with Inhibitors" (Feb. 14), "Studies Using Nuclear Magnetic Resonance" (Feb. 16), and "Chemical Modifications of the Enzyme" (Feb. 18).

Dr. Stark was a Guggenheim Fellow at the Imperial Cancer Research Fund, London, in 1970-71. He is also a member of the editorial board of the Journal of Biological Chemistry.

The second of the Qumran Anniversary Lecture and Seminar Series will be delivered by Dr. William H. Brownlee of the Claremont Graduate School February 14 at 8 p.m. in the Memorial Library Auditorium. Dr. Brownlee will speak on "The People of God: The Qumran Community and the Early Christian Church."

Art gallery exhibits

The photography of Morley Baer, the Art Gallery's first one-man exhibition of photographs deboted to the contemporary works of this gifted California artist, currently on display through February 20.

The graphic works of Georges Rouault, a representative showing of the artist's major achievements in the print media on the occasion of the 100th anniversary of his birth, through February 27.

The Art Gallery is open to the public 10 a.m. to 5 p.m. daily and 1 p.m. to 5 p.m. weekends.

office of advanced studies

Special Notice

Summer Session Salary

Summer Session salaries, beginning with the 1972 summer term, will be adjusted to correspond with individual faculty member's academic year salary base for the period immediately preceding the specific summer session.

The faculty in the Summer Session will continue to be paid on a credit hour schedule but the rate per credit hour will vary with each individual faculty member according to his nine month salary. Full time summer stipends will be computed on a seven week base, with six credit hours being the maximum load.

To calculate an individual summer salary, one determines a weekly rate for the academic year (total salary divided by 39 weeks) and then multiplies by 7. The resultant figure is the amount that would be paid for a maximal load of six credit hours. (In brief: nine months salary \div 39 \times 7 = salary paid for 6 credit hours).

Departmental chairmen who administrate their department in the summer, or a substitute, will be paid one ninth of academic year salary for their summer administrative duties.

Information Circulars

National Science Foundation: New Guidelines for Advanced Science Education Program NO. FY72-37

Developing alternative approaches to a doctoral-level degrees in science is a goal of the National Science Foundation's Advanced Science Education program.

This objective is contained in new guidelines for the program released by the Foundation. Universities may propose entirely new programs (which may or may not

be labeled Ph.D.) or the restructuring of existing programs. In either case, a significant element of experimentation should be involved, resulting in a meaningful departure from traditional Ph.D. programs. Projects supported in this effort are intended to serve as models for the development of graduate science programs at other universities.

In preparing the new guidelines NSF carefully considered recent studies that called for a critical analysis of higher education. Reports cited were by the Carnegie Commission on Higher Education, Less Time, More Options, and the Task Force Report on Higher Education chaired by Dr. Frank Newman of Stanford University.

The "Newman Report" declared that "graduate schools have become steadily more inner-directed and less responsive to the needs of society....There has been little shift toward needed curriculum changes, or the addition of external work experiences, or any attempt to teach graduate students the skills and attitudes needed for serving society rather than perpetuating the ingrowth of a professional discipline."

The Advanced Science Education program of the Foundation fosters the planning and implementation of experimental approaches to graduate science education. Through its new guidelines, it also seeks proposals for the development of master's level science programs, especially for those which involve cooperative arrangements with industrial concerns or state and local government agencies. In addition, the program plans to support continuing science education projects at the graduate level which emphasize the trial implementation of new instructional technology, and for interdisciplinary graduate-level student originated research training projects. The program will continue to support innovative course development projects at the graduate level.

NSF has allocated \$1.5 million for Advanced Science Education program activities during fiscal year 1972.

The new guidelines will soon be available in the Office of Advanced Studies.

U.S. Office of Education Regional Project Research: Regional Research Program of the National Center for Educational Research and Development NO. FY72-38

The U.S. Office of Education, through its Regional Project Research program, administers a program specifically designed to support a variety of significant small-scale educational research projects. The special provisions of this program are such as to extend opportunities for participation to a greater number of individuals and institutions.

Aims of the Program

The Regional Project Research program is designed to:

1. Support significant, small-scale educational research projects.
2. Facilitate participation in educational research by a broad range of college and university personnel.
3. Encourage small colleges to undertake research programs so that students may benefit from having professors who are engaged in educational research activities.
4. Provide for direct and expeditious handling of proposals.

Limitations

To qualify for Regional Project Research consideration, a proposal must meet two basic requirements:

1. The total investment by the Office of Education must be no more than \$10,000.
2. The project must be scheduled for completion within 18 months.

Proposals requiring more dollar support or more time should be submitted directly to the National Center for Educational Research and Development (NCERD) in Washington.

Regional Project Research funds may not be used primarily for (1) conducting meetings, conferences, and seminars or (2) producing filmstrips, films, and textbooks. However, a wide variety of research and research-related activities is eligible for consideration.

Eligibility

Grants may be awarded to colleges, universities, State departments of education, or to other public or private agencies, organizations, groups, or individuals with institutional or organizational sponsorship.

Areas Appropriate for Regional Project Research

To be eligible for support administered by the NCERD, an activity must (1) be research or research-related, (2) show promise of improving education, (3) have general (not

purely local) applicability, and (4) be directed toward communicable results.

The term research-related is broadly interpreted to include such activities as the evaluation of instructional systems and units; the assessment of teaching devices, techniques, and practices; and the analysis and evaluation of research results. The applicant should make clear how the results will contribute to an understanding of, or an improvement in, the process of learning or teaching. Local projects should lead to findings which are significant in other settings. The transferability factor in many instances determines whether a given proposal is eligible for consideration.

For additional information concerning criteria for evaluating proposals, proposal content, proposal format, etc., call Dr. Francis M. Kobayashi, Extension 7378.

National Aeronautics and Space Administration: Manned Space Craft Center Resident Research Program in Engineering and Science NO. FY72-39

The NASA-Manned Spacecraft Center is providing an opportunity for resident research by faculty members and other researchers interested in solving important, timely, and specific problems in the physical and life sciences, and in engineering. Examples of research projects are:

Physical and Life Science Research

- Biochemical effects of polymeric pyrolytic degradation products
- Public health applications of remote sensing
- Biorhythms and space flight
- Photochemistry of the upper atmosphere
- Application of remote sensing systems to the assessment of rangeland conditions
- Applications of synoptic data to regional planning
- Applications of new techniques for remote sensing
- Description of the geometry of non-photographic imaging systems

Engineering Research

- Spacecraft cost analysis support system
- Optical processing of image and multispectral data
- Theoretical analysis of solid state detectors
- Advanced CO₂ management process analysis
- Advanced thermal control system analysis
- Tracking systems modeling and simulation
- Integration of digital communication techniques
- Development of optimal sampling rate theorems.

The associateships are awarded to U.S. citizens holding the rank of Assistant, Associate, or Full Professor at an accredited educational institution or having comparable credentials.

The program begins in June, 1972 and the term of the residency will depend upon the nature and complexity of the program (usually 8 to 12 months). Stipends will compare favorably with current salary with reasonable allowances for movement of household goods.

Due date for proposals is March 6, 1972, with announcement of awards to be on April 7, 1972. Additional information and application forms may be obtained from

University Programs Office
Code BA
NASA-Manned Spacecraft Center
Houston, Texas 77058

National Aeronautics and Space Administration and American Society for Engineering Education: Summer Faculty Fellowships NO. FY72-40

NASA together with ASEE are providing summer faculty fellowships, June through August, 1972, for U.S. citizens who are faculty or research staff members, preferably with two years of teaching experience.

Approximately eighty fellowships will be awarded in Engineering Systems Design to young engineering and science faculty members. Fellows will go to universities adjacent to NASA centers to participate as members of multidisciplinary design teams. Each team will select and design a complex engineering system. Stipends are intended to meet the salary of the participant but will not exceed \$275 per week for the eleven weeks duration. Travel allowance will be paid.

Approximately sixty first-year fellowships will be awarded in Aeronautics and Space Research to young engineering and science faculty members. A NASA-university cooperative program will enable fellows to work directly with a center colleague and to be associated with the aeronautics and space programs and the concomitant basic research problems. These fellowships may be renewed for a second summer subject to the availability of funds. The duration of the program is ten weeks. Stipends will not exceed \$250 per week for first-year Fellows or \$275 per week for second-year Fellows. Travel allowances will be paid.

Due date for applications is March 1, 1972, with awards to be announced on March 15, 1972. Additional information on descriptions of specific design and research

programs and their locations is available in the Office of Advanced Studies-Division of Research and Sponsored Programs, Extension 7378.

For application forms, contact

Mr. F. X. Bradley, Jr.
American Society for Engineering Education
Suite 400
One Dupont Circle
Washington, D. C. 20036
Phone: (202) 293-7080

Argonne National Laboratory Thesis Parts Program for 1972 NO. FY72-41

This program provides opportunities for selected graduate students who are carrying out their thesis research on U.S. college and university campuses to improve their research by doing pertinent parts of it in residence at Argonne. Each appointment requires that there be available at the Laboratory appropriate resources not available on campus, and an interested Argonne staff member to supervise the student's work. The Argonne Center for Educational Affairs assists in locating the necessary facilities and supervision at the Laboratory, arranges appropriate appointments at the Laboratory for the student and his major professor, and often can provide funds to help defray the costs of their travel, lodging and meals. In cases that require the use of Argonne equipment or services for which service charges are made, for instance computers, sample encapsulation, irradiations, analyses, etc., matching funds or special allocations may be available to help defray those charges also, up to a maximum of \$500.

An appointment may be as short as a few days and is normally limited to a maximum residence period of six months, since it is intended to augment, but not replace, on-campus research. Preference is given to applicants who require not less than one week's work in residence at Argonne. If it is justified, an appointment may be interrupted by the student's return to his campus for a period before it is completed.

General Information: The Laboratory's extensive unclassified program of research and development is directed toward the peacetime applications of atomic energy, and includes many fields of science and engineering: applied mathematics and computer science; biology and radiological physics; chemistry; engineering-chemical, electrical, mechanical, metallurgical, and nuclear; electronics, including ecology and meteorology; materials and solid state science; physics, including high-energy physics; and reactor design and analysis. The experimental facilities are supplemented by a versatile

computing center and an excellent library system.

Qualifications: An applicant must be a full-time graduate student at an accredited college or university, and he must be sufficiently advanced to have made significant progress in his thesis research. The work he proposes to do at Argonne must be closely related to work in progress at Argonne, and his thesis parts program must have the approval of his major professor and his department head.

Financial Support: Support may be provided in the form of per diem and travel allowances of up to \$10 per day in lieu of extra expenses incurred during his stay at Argonne. Those from greater than 50 miles from the Laboratory may also receive a round trip travel allowance between his campus and Argonne at the rate of 8 cents per mile, according to the Rand-McNally Mileage Guide, up to a maximum of \$120. For long Thesis Parts Programs, an additional round trip travel allowance may be approved if there is need to return to the campus to confer with others regarding the Argonne research. Funds are provided through the Argonne Center for Educational Affairs by the USAEC Division of Nuclear Education and Training.

For long appointments, the student's major professor is offered an appointment as a Faculty Associate, and is encouraged to visit the Laboratory as appropriate to participate in the supervision of his student's work. A Faculty Associate may be reimbursed for lodging and per diem expenses, plus round trip travel up to a maximum of \$120, for approved visits. These travel and per diem payments are in lieu of actual expenses, not otherwise reimbursed. No stipends or consulting fees are paid.

Students who are not U.S. citizens may be accommodated in this program, but are not eligible to receive per diem, travel, or any other financial support.

Application Information: Additional information or application forms may be obtained from:

Graduate Student Program Office
Argonne Center for Educational Affairs
9700 South Cass Avenue
Argonne, Illinois 60439

Telephone: Area Code 312: 739-7711,
ext. 4555

Applications are welcomed at any time throughout the year, but should be received about one month before the desired starting date.

Argonne National Laboratory 1972 Summer Graduate Student Program in Biology NO. FY72-42

The Division of Biological and Medical Research in cooperation with the Argonne Center for Educational Affairs is offering a 12-week summer program in radiation biology for about twenty graduate students. The program is funded by the National Science Foundation and the U.S. Atomic Energy Commission. It will include approximately 30 lectures (over a 6-week period) in radiation biology and other areas of biological research at Argonne, given by Argonne staff members. Each student will spend the remainder of his time working in a Divisional research laboratory under the supervision of an Argonne staff member on a problem chosen from that area of Argonne's research which seems best to fit the student's particular background and interests. These areas include several aspects of radiation biology (toxicity of external radiations, metabolism and removal of internal emitters, dosimetry, cellular level studies), photobiology, plant physiology, biochemistry, macromolecular structure, cellular physiology, genetics, microbiology, mechanisms of carcinogenesis, and immunology. Each student will prepare a brief written report on his research.

Eligibility and Selection: This program is intended for predoctoral students preferably with one academic year of graduate training in biology. Selections will be based on academic records, faculty recommendations, and compatibility of the applicant's background and interests with the Laboratory's research programs.

Dates: The beginning and closing dates for each student can be chosen with some latitude, as long as he is here for the entire period of the lectures (starting about the end of June) and his total stay is 12 continuous weeks. Beginning dates early in June are recommended.

Academic Credit: Universities are invited to grant academic credit when appropriate. Each appointee's major professor will be invited to observe the program here, at Argonne's expense.

Housing: Dormitory space in a nearby college will be available for single appointees at reasonable rates. Argonne's Housing Information and Counseling Office will assist married couples and families, and single appointees wishing to stay elsewhere. Daily transportation requires a car or participation in car pools.

Travel Allowances and Stipends: For U.S. citizens, round-trip travel to Argonne will be paid at the rate of 8 cents a mile (up to a maximum of \$120), and students without other support may receive stipends of up to \$100 a week. Foreign students may participate in the program, but are not eligible to receive any financial support.

How to Apply: For more detailed information and application forms, write to:

Graduate Student Program Office
Argonne Center for Educational Affairs
9700 South Cass Avenue
Argonne, Illinois 60439

Completed applications should be received by March 1, 1972, and appointments will be made by April 1.

**Argonne National Laboratory
ANL-AUA-AEC Laboratory Graduate
Participantships for 1972-73** NO. FY72-43

The Division of Nuclear Education and Training, U.S. Atomic Energy Commission, awards predoctoral thesis research appointments for tenure at Argonne National Laboratory under the administration of the Argonne Center for Educational Affairs and Argonne Universities Association. These Participantships are intended for graduate students who need the special resources available at Argonne for their thesis research and who plan to continue to work within the field of their specialty after graduation. The thesis research will be done in residence on the Argonne site under the joint direction of the student's major professor and an Argonne staff member. When preparation for the on-site thesis research is necessary at the university, a preliminary on-campus phase of the Participantship may be granted. Participantships are available to students of those branches of engineering, mathematics, and physical and life sciences in which Argonne is actively engaged.

Eligibility: Doctoral and masters' candidates from U.S. universities are eligible. By the time he starts his research at Argonne, the Participant must have completed all of the requirements for the degree sought, except the dissertation, the research it describes, and the final examination. The proposed research problem and its pursuit under the Participantship Program must have the approval of both the University and Argonne. Each appointment requires a loyalty determination, which limits eligibility to U.S. citizens. Each Participant must present evidence of adequate Hospitalization Insurance before starting his work at Argonne.

Term of Appointment: Appointments for the Argonne-residency phase are made for a

period of one year, and extensions for one additional year may be made for doctoral candidates. Appointments for the on-campus phase are generally limited to one term for masters' candidates, and up to an academic year for doctoral candidates.

Stipend and Allowances: Appointees will be paid stipends at the rate of \$3,000 per calendar year, plus tuition and fees, and dependency, relocation and travel allowances.

Selection: Selections are based on academic record, recommendations and the compatibility of the proposed research with Argonne's objectives and research programs.

Applications: The deadlines for filing completed applications are March 1 and August 1, for appointments to start in the summer or fall, or in the winter or spring, respectively. Applicants will be notified of the Committee's action before April 1, and September 1, respectively.

More detailed information and application forms can be obtained by writing to:

Graduate Student Program Office
Argonne Center for Educational Affairs
9700 South Cass Avenue
Argonne, Illinois 60439

Telephone: Area Code 312: 739-7711,
ext. 4555

**Argonne National Laboratory 1972
Summer Engineering Practice School,
June 5- August 11, 1972** NO. FY72-44

Applications are invited for the 1972 Argonne Nuclear Engineering Practice School to be conducted by the Argonne Center for Educational Affairs with guidance from the Nuclear Engineering Educational Committee of Argonne Universities Association. The Practice School provides an opportunity for graduate students in engineering and applied science to work in association with their peers from other universities under the direction of members of the Laboratory's research and development staff on current, practical problems.

The participants work in teams of three on assignments lasting three weeks, after which team membership is rotated. Each assignment, generated by the Argonne staff member who supervises it, is a real-life problem that has arisen in the course of Argonne's research and development. It may involve experimental measurement, data treatment, theoretical analysis and modeling, or design. Each team prepares a written report at the completion of each assignment and its leader makes an oral presentation in a seminar. Each student will be the leader of a team for at least one assignment.

Some problems which were assigned during the last Practice School are:

Analysis of Air Pollution Episode Control Action Plans
Transient State Heat Conduction in Cylindrical Fuel Rods
Hybrid Computer Solution of Reactor Kinetics Equations
Travelling Wave Bubble Chamber
High Efficiency Power Production
Choice of Vacuum Wall Material for a Fusion Reactor
Radiation Damage Studies in Metals
Radiographic Holography

Compensation: Each participant will receive a stipend of \$1,000, paid in parts distributed appropriately through the ten-week session. He also will receive an allowance toward the cost of travel between his university and Argonne. In addition, for students registered for academic credit, tuition and fees will be paid directly to their universities.

Housing: Moderately priced dormitory housing for single appointees will be available at a neighboring college. Housing details will be sent to those applicants who are accepted for the program.

Eligibility: Participants should have completed at least one semester of graduate study in engineering or applied science at an accredited college or university, although a few exceptional recent graduates with nuclear degrees or degrees with nuclear options may also be accepted. Only U.S. citizens are eligible for financial support; however, in some cases "no pay" appointments can be offered to noncitizens. Selection of applicants will be made on the basis of academic records, reference letters, and suitability of this program for their backgrounds and for their career objectives.

Academic Credit: Academic credit for participation in the Practice School is a prerogative of the student's institution. Universities are encouraged to grant appropriate credit for successful completion of the program. A number of schools regularly do so through a "Special Laboratory Investigations" type of course listing.

Application: Completed applications are due by March 15, 1972. Selections will be made and announced by April 1. Address questions and requests for application materials to:

Graduate Student Program Office
Argonne Center for Educational Affairs
9700 South Cass Avenue
Argonne, Illinois 60439

Telephone: Area Code 312: 739-7711,
ext. 4555

Argonne National Laboratory Faculty Research Participation Program for 1972

NO. FY72-45

The Faculty Research Participation Program makes it possible for college and university faculty members to participate in the extensive research and development activities at Argonne National Laboratory for the purpose of broadening and enriching their teaching and research work on campus.

Appointments are normally made for periods of a summer (8 to 12 weeks), a semester, or an academic year.

Argonne National Laboratory, one of the nation's major nuclear research centers, is managed by The University of Chicago and Argonne Universities Association for the U.S. Atomic Energy Commission. Its extensive unclassified program of research and development, which is concentrated on the civilian power nuclear reactor, includes an array of diverse engineering activities—chemical, electrical, mechanical, metallurgical, and nuclear—and related environmental subjects. The program also involves several areas of underlying basic and applied mathematics and computer science; biology; biophysics and radiological physics; chemistry; materials and solid state science; and physics, including high-energy physics. The Laboratory's fine experimental facilities are supplemented by a versatile computing center and an excellent library system.

Qualifications: An applicant must be a full-time faculty member of an accredited college or university, and he must have a definite commitment to continue in teaching and/or research as a career. His objectives at Argonne should be clearly stated, and they must be endorsed by his department head or dean in a separate letter of recommendation. A statement of the school's plans to make use of the participant's experience at Argonne, following his return to the campus, is also helpful.

Financial Support: Stipends are available to U.S. citizens from funds provided by AEC's Division of Nuclear Education and Training. When a participant's college or other sponsoring institution provides him with half-salary during his Argonne stay, Argonne matches the half-salary. When a sponsoring institution does not provide half-salary, a stipend is available according to the National Science Foundation formula of one fortieth of his previous academic year's salary per week with an upper limit of \$250 per week and a lower limit of \$100 per week. Also, a travel allowance for one round trip will be paid at the rate of 8¢ per mile, according to the Rand-McNally Mileage Guide, up to a maximum of \$120.

Application Information: Completed applications for 1972 summer appointments should be received by February 15, 1972. The first offers of appointment will be made by April 1.

Completed applications for terms other than the summer should be filed at least eight weeks before the proposed starting date and

should indicate clearly the period for which the appointment is sought.

Application forms may be obtained from:

Argonne Center for Educational Affairs
Faculty Research Participation Program
9700 South Cass Avenue
Argonne, Illinois 60439

Current Publications And Other Scholarly Works

SCIENCE

Biology

- R.W. Greene. "Symbiosis in Sacoglossan Opisthobranchs: Symbiosis with Algal Chloroplasts." *Malacologia* 1970, 10, 2, 357-368.
- K.S. Rai. "The Prospects for Genetic Control of Filariasis Vectors." *Japanese J. Genetics* 1971, 46, 3, 207-214.

Chemistry

- G.F. D'Alelio, W.A. Fessler, V. Giza, D.M. Feigl, A. Chang, and M. Saha. "Arylsulfimide Polymers. VI. Polysaccharins of the AA-BB Type." *J. Macromol. Sci-Chem.* 1971, A5(6), 1097-1121.
- E.L. Eliel. "Aspects of Conformational Analysis of Small Molecules." *Intnatl. Union Pure Appl. Chem.* 1971, 7, 219-246.
- *K. Funabashi and Y. Maruyama. "Model for the Trapped Electron in 3-Methylpentane Glass-An Electron in a Linear Random Lattice." *J. Chem. Phys.* 1971, 55, 9, 4494-4497.
- *R.R. Hentz, H.G. Altmiller, and L.J. Sharp. "Photo-and Radiation-Induced Cis-Trans Isomerizations in Liquid Pyridine." *Intnatl. J. Radiat. Phys. Chem.* 1971, 3, 201-209.
- *R.R. Hentz, Farhatziz, and E.M. Hansen. "Pulse Radiolysis of Liquids at High Pressures. I. Absorption Spectrum of the Hydrated Electron at Pressures up to 6.3 kbar." *J. Chem. Phys.* 1971, 55, 10, 4974-4979.
- D.J. Pasto and J.A. Gontarz. "Characterization of Torsional Angle Effects as the Dominant Steric Effect in the Hydroxymercuration of Substituted Cyclohexenes." *J. Amer. Chem. Soc.* 1971, 93, 6909-6913.
- D.J. Pasto and J.A. Gontarz. "Studies on the Mechanism of the Oxymercuration of Substituted Cyclohexenes." *J. Amer. Chem. Soc.* 1971, 93, 6902-6908.

*Under the Radiation Laboratory

Microbiology

- *B.S. Wostmann, J.R. Pleasants, and P.M. Bealmeier. "Dietary Stimulation of Immune Mechanisms." *Federation Proc.* 1971, 30, 6, 1779-1784.

*Under the Lobund Laboratory

Physics

- E.A. Coomes, with F.M. Gardner, F.E. Girouard, and W.L. Boeck. "Thermionic Emission from Single-Crystal Filaments." *Surface Sci.* 1971, 26, 2, 605-623.
- E.A. Coomes, with W.C. Niehaus. "Surface-Barrier Analysis for Niobium and Tantalum and Tantalum-on-Niobium from Periodic Deviations in the Thermionic Schottky Effect." *Surface Sci.* 1971, 27, 2, 256-266.

ARTS AND LETTERS HUMANISTIC AND SOCIAL STUDIES

Economics

- J.T. Croteau. "A 'New' Financial Intermediary: The American Credit Union." *Rivista Internatl. Sci. Econ. Commercial;* 1971, 18, 9, 896-908.
- W.I. Davison and J. Harper. "European Economic History, The Ancient World." 1972, ix and 288 pages. Appleton Century Crofts, New York.

English

- P.J. Callahan. "King's Ransom." Poem. *Amer. Rose* 1971, 21, 26.
- P.J. Callahan. "The Planting." Poem. *Amer. Rose* 1971, 21, 11.
- P.J. Callahan. "Review: Nathaniel Tarn's *The Beautiful Contradictions*." *Poet-Lore* 1971, 66, 87-89.
- P.J. Callahan. "Review: William Meredith's *Earth Walk and Other Poems*." *Poet-Lore* 1971, 46, 421-423.
- P.J. Callahan. "The Two Gardens in C.S. Lewis' *That Hideous Strength*." In "SF: The Other Side of Realism." (T.D. Claeson, Editor). 1971, 147-156, Bowling Green Univ. Press, Bowling Green, Ohio.
- L.H. Martin. "Comic Eschatology in the Chester 'Coming of Antichrist.'" *Comparative Drama* 1971, 5, 3, 163-176.

General Program of Liberal Studies

- H. Moore. "Ayer and the Pragmatic Maxim." *Trans. C.S. Peirce Soc.* 1971, 7, 3, 168-175.
- W.J. Nicgorski. "The New Federalism and

Direct Popular Election." Rev. Politics 1972, 34, 1, 3.

Government and International Studies

P.C. Bartholomew. "Significant Decisions of the Supreme Court, 1970-71 Term." 1971, iv + 36 pages. Amer. Enterprise Inst., Washington, D.C.

History

- M.A. Fitzsimons. "What is Education." Rev. Politics 1972, 34, 1, 82.
M. Smelser. "The Winning of Independence." (The Quadrangle Bicentennial History of the Revolution). 1971, 427 pages. Quadrangle Books, Chicago.
M. Smelser, with B. Donahue. "The Congressional Power to Raise Armies." R. Politics 1971, 33, 202-211.
J.E. Ward. "The Fall of France, 1940." R. Politics 1971, 33, 564-568.

Philosophy

V.R. McKim. "Fatalism and the Future: Aristotle's Way Out." R. Metaphys. 1971, 25, 1, 80-111.

Sociology and Anthropology

- D.C. Anderson, with J. Madden, IV., J. Rollins, R. Connor, and S. Levine. "Reshock-Produced Intensification of Passive Avoidance Responding and of Elevation in Corticosteroid Level." Physiol. Behav. 1971, 7, 733-736.
W.T. Liu. "Fertility Patterns in Cebu." In "Acculturation in the Philippines: Essays on Changing Societies." (P.G. Gowing and W.H. Scott, Editors). 1971, 167-205, New Day Publ., Philippines.
W.T. Liu. "Reflections of a University Population Research Center Director." In "Innovative Organization for Population Research" (S.J. Kaplan and R.K. McCormick, Editors). 1971, 131-139, Charles C. Thomas Publ., New York.

BUSINESS ADMINISTRATION

Accountancy

N.G. Rueschhoff. "The Next Basic Financial Statement: The Statement of Shareholders' Equity." New York Certified Public Accountant, 1971, 41, 12, 887-900.

EDUCATION

Graduate Studies in Education

- J.M. Lee. "Behavioral Objectives in Religious Education." Living Light: J. Relig. Educ. 1970-71, Winter, 10.
J.M. Lee. "Toward a Dialogue in Religious Education." Living Light: J. Relig. Educ. 1971, Spring, 10.
J.M. Lee. "The Shape of Religious Instruction." Pflaum Press, Dayton, Ohio 1971.
J.O. Meany. "The Role of Dreams in Religious Formation Groups." Rev. Religious. 1972, 31, 1, 70-75.

ENGINEERING

Aerospace and Mechanical Engineering

- T. Ariman, with Y. Kazakia. "Heat-conducting Micropolar Fluids." Rheol. Acta 1971, 10, 319-325.
N.C. Huang. "Optimal Design of Elastic Beams for Minimum-Maximum Deflections." J. Appl. Mech. 1971, 38, 1078-1081.
C.W. Ingram, with S.M. Batill. "Determining Aircraft Stability Coefficients from Dynamic Motions." J. Aircraft 1971, 8, 11, 932-934.
J.D. Nicolaides, C.W. Ingram, and D.D. Tarkowski. "Nonlinear Aerodynamic Characteristics of Sounding Rockets." J. Spacecraft Rockets. 1971, 8, 11, 1158-1160.

Chemical Engineering

- F.H. Verhoff and F.E. Smith. "Theoretical Analysis of a Conserved Nutrient Ecosystem." J. Theor. Biol. 1971, 33, 131-147.

Metallurgical Engineering

- A.E. Miller, F.J. Jelinek, K.A. Gschneidner and B.C. Gerstein. "Low-Temperature Magnetic Behavior of Several Oxides of Gadolinium." J. Chem. Phys. 1971, 55, 6, 2647.

Monthly Summary

Awards Received

IN THE MONTH OF DECEMBER, 1971

Department or Office	Principal	Short title	Sponsor	Amount-\$ term
AWARDS FOR RESEARCH				
Aerospace Mechanical Eng.	Lee	Buckling of cylindrical shells under pressure	U.S. Navy	30,000 9 mos.
Microbiology- Lobund Lab.	Nordin	Cellular aspects of the mechanisms in Ab synthesis	Natl. Inst. Health	21,663 1 yr.
Microbiology- Lobund Lab.	Pollard	Longevity and senescence in germfree rats	The John A. Hartford Fdtn.	30,626 1 yr.
Administration	Gordon	Graduate fellowship fund	Corley B. McFarland, M.D.	100 ---
Chemical Eng.	Banchero	Grant-in-aid	Sun Oil Co.	2,000 ---
Microbiology- Lobund Lab.	Wostmann	Certain aspects and causes of heart disease	Fannie E. Rippel Fdtn.	100,000 2 yr.
Electrical Eng.	Liu, Saeks	An approach to large-scale dynamical systems	Natl. Sci. Fdtn.	57,500 29 mos.
Administration	Gordon	Institutional grant for science	Natl. Sci. Fdtn.	42,105 1 yr.
AWARD FOR FACILITIES AND EQUIPMENT				
Art Gallery	Lauck	Tiahuanaco Poncho	Mr. & Mrs. Everett McNear	9,000 ---
AWARDS FOR EDUCATIONAL PROGRAMS				
Geology	Murphy	Summer institute in earth sciences	Natl. Sci. Fdtn.	115,073 10 mos.
Chemistry	Hofman	Summer institute in chemistry	Natl. Sci. Fdtn.	75,010 10 mos.
Physics	Anthony	Summer institute in physics	Natl. Sci. Fdtn.	48,492 10 mos.
Economics	Dugan	Interterm workshop in economics	Anonymous	1500 ---
Civil Eng.	Linger	James A. McCarthy scholarship fund	Andrew R. McFarland	150 ---
Civil Eng.	Linger	James A. McCarthy scholarship fund	Leroy D. Graves	200 ---
Civil Eng.	Linger	James A. McCarthy scholarship fund	Jerry J. Marley	100 ---
AWARD FOR SERVICE PROGRAM				
Student Affairs	Shilts	Collegiate jazz festival	Natl. Endow. Arts	1,000 2 mos.

Summary of Awards Received and Proposals Submitted

IN THE MONTH OF DECEMBER, 1971

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	3	\$ 65,768	5	\$ 218,226	8	\$ 283,994
Facilities and Equipment	-	---	1	9,000	1	9,000
Educational Programs	3	238,575	4	9,450	7	248,025
Service Programs	-	---	1	1,000	1	1,000
Total	6	\$ 304,343	11	\$ 237,676	17	\$ 542,019

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	\$ 623,203	10	\$1,026,063	15	\$1,649,266
Facilities and Equipment	-	---	-	---	-	---
Educational Programs	2	152,320	5	45,675	7	197,995
Service Programs	-	---	-	---	-	---
Total	7	\$ 775,523	15	\$1,071,738	22	\$1,847,261

Closing Dates For Selected Sponsored Programs

Agency	Program	Application Closing Dates	
Alexander von Humboldt Foundation	Research Fellowships in Germany	(Open)	
Environmental Protection Agency	Water Pollution Control Training Grants and Research Fellowships	March	1, 1972
International Research and Exchanges Board	Ad Hoc Grants to Promote New Exchanges in Humanities and Social Sciences	March	31, 1972
National Endowment for the Humanities	Education Planning and Projects Grants	March	15, 1972
National Institutes of Health	Medical Library Resources Grants	March	1, 1972
National Science Foundation	Undergraduate Instructional Scientific Equipment Program	March	1, 1972
North Atlantic Treaty Organization	Fellowships and Travel Grants	March	31, 1972
Smithsonian Institution	Graduate and Undergraduate Summer Research Assistantships	March	15, 1972
	Foreign Currency Program	March	1, 1972
U.S. Office of Education	Special Services for Disadvantaged Students in Higher Education	March	31, 1972
	Construction of Undergraduate Academic Facilities Grants	March	31, 1972
	College Library Resources Program	March,	1972
	Higher Education Facilities Comprehensive Planning Grants	March	31, 1972

documentation

Notre Dame-Saint Mary's College Co-Exchange Program

January 17, 1972

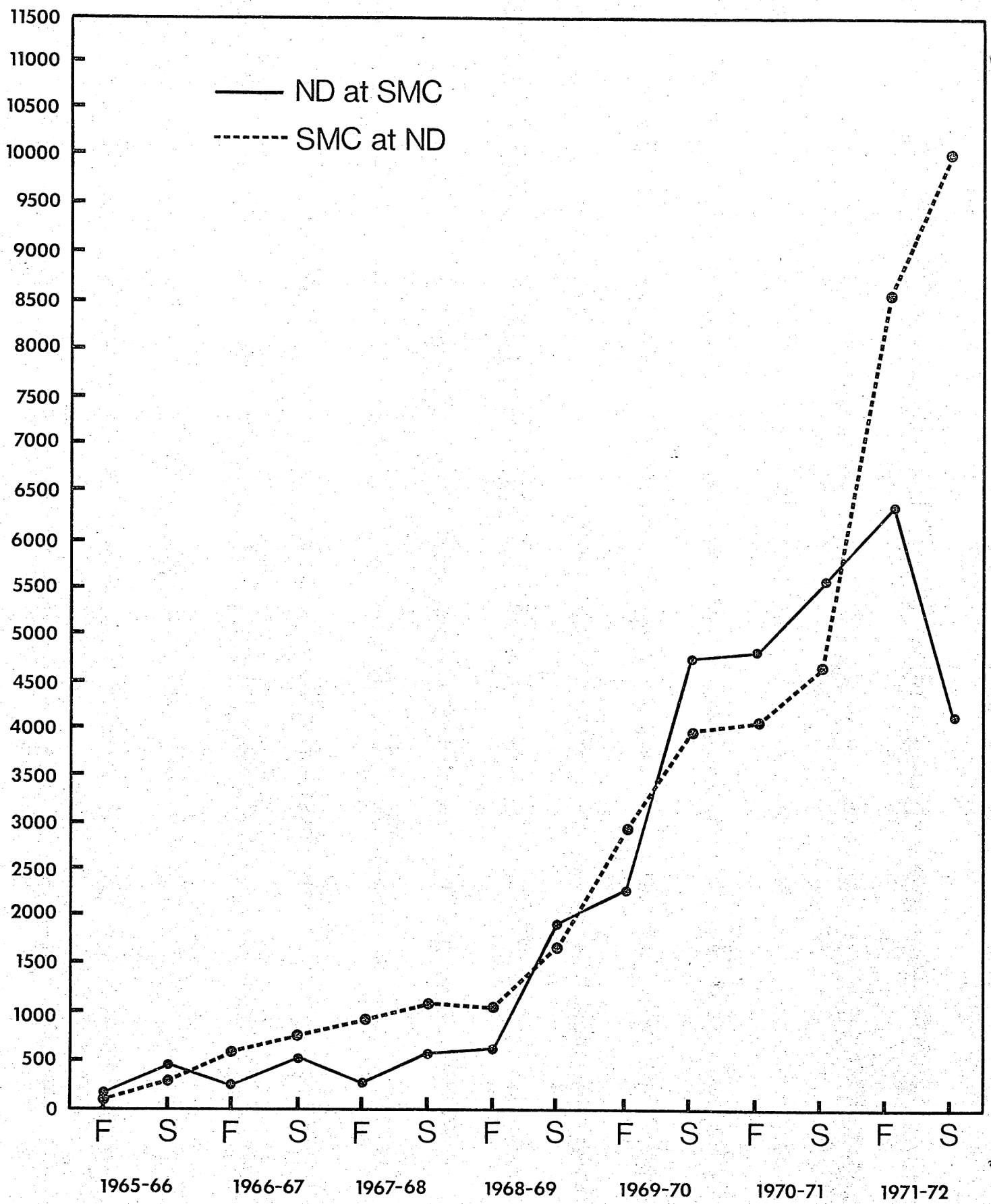
To the Faculty, Students, and Administrators:

Prior to the current academic year, the patterns of registration in our co-exchange program have not leaned consistently in either direction. Participation increased greatly from the autumn of 1965, when but a few dozen students took advantage of this new option, to the spring of 1971, when total registration reached about 10,000 student credit hours. During that period Notre Dame students took more credit hours at Saint Mary's throughout six semesters, while Saint Mary's students exceeded them in co-exchange through six other semesters. Thus, although calculated costs per credit hour are generally twice as high at the University as at the College, the program did not overburden the faculty of either school.

It was because of this previous experience that Notre Dame and Saint Mary's saw nothing irresponsible in their decision to continue open co-exchange this year without charges between the schools.

During the first semester Saint Mary's students abruptly doubled their registration at Notre Dame, creating the greatest imbalance in co-exchange history. Advance registration for the spring indicated that the disproportion was going to exceed all expectations, and would impose upon the University a teaching burden that was truly enormous:

	<u>Fall 1971</u>		<u>Spring 1972</u>		<u>Total</u>
Student Credit Hours of SMC Students at ND	8,681	+	10,016	=	18,697
Student Credit Hours of ND Students at SMC	6,366	+	4,108	=	<u>10,474</u>
Net Difference, 1971-72 (At Advance Registration)					8,233



This turn of events meant that in the spring semester alone the net instructional burden at Saint Mary's College would be lightened by about one-fifth, with this work being assumed by the Notre Dame faculty (these statistics include only those students taught by the faculty of the other school, regardless of the sequence number of the course). The financial implications are even more alarming. Were the two schools to be charging one another according to their published fees per student credit hour, Saint Mary's would incur a net debit of more than one million dollars:

ND charges to SMC: 18,697 S.C.H. X \$90 = \$1,682,730

SMC charges to ND: 10,474 S.C.H. X \$60 = \$ 628,440

Net charges to SMC: \$1,054,290

In view of the unexpected and perhaps unexpectable imbalance, at the close of advance registration in December the University proposed to the College that our previous agreement not to levy charges for co-exchange tuition this year be re-affirmed, but that Saint Mary's transfer to Notre Dame a partial subsidy of \$150,000. This sum, although nominal, comes during a fiscal year when the University is budgeted for a deficit of \$700,000, while the College plans a surplus of \$421,700.

On behalf of the University I should like to acknowledge this payment by Saint Mary's, and express the continued hope that the mutual involvement which has arisen through our co-exchange program may eventually lead to a merging of resources in unification.

James Burtchael, C.S.C.

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

Faculty Award--Commencement

January 21, 1972

Dear Colleagues:

To many of you who are new at Notre Dame, I would like to explain briefly how our Faculty Award winners have been chosen in the past. Each year, a selection committee of prior winners, representing all colleges and the Law School, was appointed by the provost. It studied the qualifications of candidates recommended by the deans and by committee members. The award recipient was then suitably honored at Commencement.

This year, I would like to expand the number of candidates by also welcoming nominations from the faculty at large. Since this is the most prestigious annual award given within the University, I feel that you may wish to participate in the selection process to honor one of our colleagues. Therefore, I suggest that you address such recommendations to this office, giving reasons why you wish your candidate to be considered. Such correspondence should reach me before March 22; the selection committee will begin its meetings shortly thereafter.

Devotedly,

James Burtchael, C.S.C.

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

Faculty Senate Proposals

The following proposals were inadvertently omitted from the Faculty Senate Journal of December 6, 1971, published in Notre Dame Report #9.

Faculty Affairs, Faculty Senate: Proposal on Faculty Retirement Income Guarantee and Notre Dame's Contribution to Faculty Retirement

The following is the final version of the Faculty Affairs, Faculty Senate: Proposal on Faculty Retirement Income Guarantee and Notre Dame's Contribution to Faculty Retirement as mentioned in Notre Dame Report #9, p. 137, under New Business.

With the University's present fairly rigid policy of retirement at age 65 in mind, the Faculty Senate proposes that Notre Dame's faculty retirement income be brought up to an appropriate level in conformity with the agreed-on minimums of the AAUP and AAC: with social security payments, roughly 60 per cent of final salary for those with 35 years of service (and a proportionate amount for those with lesser years of service).

Six faculty members (65 or 66 years of age) were retired in 1970 with 25 years or more at Notre Dame, and six more were retired in July 1971. All of these averaged 33 years of service past age 30 (funded part of service). Their retirement income from the University (TIAA, CREF, and funded past service) ranges from \$180 to \$320 a month according to the common options, with the average about \$265 a month. In addition there is the man and wife's social security payments, which the University now considers in terms of a guaranteed yearly retirement income. (In July 1971 social security payments for man and wife, both 65, were \$320 a month.)

In 1970-71 the average salary (nine months) for a full professor at Notre Dame was \$18,126; \$13,965 for an associate professor; and \$11,572 for the assistant professor. After the "freeze," it would be about 6 per cent more for these ranks for 1971-72. Hence the present \$5,500 a year -- or \$458 a month -- guarantee (for those with 25 years or more of service) on retirement income is clearly sub-standard: considerably less than 1/3 the professor's average salary (and also considerably less than 1/2 that of the associate professor). This guarantee, which includes social security payments of husband and wife, borders on the poverty level. By July 1972 the present guarantee will have been in effect for two years. Since it was announced the average salary at Notre Dame and the cost of living have both increased a little more than 12 per cent.

In order to eliminate such a sub-standard faculty retirement guarantee (outdated as soon as set up) the Faculty Senate proposes as a new minimum:

ONE AND ONE-FOURTH PER CENT (1-1/4%) OF THE FINAL SALARY OF THE RETIREE IN HIS RETIRING YEAR FOR EACH YEAR OF SERVICE PAST THE AGE OF 30. THIS GUARANTEE WOULD INCLUDE ONLY THE UNIVERSITY PART OF THE RETIREMENT INCOME (I.E. ALL REGULAR TIAA, CREF, AND FUNDED PAST SERVICE CONTRIBUTIONS): RETIREE AND WIFE'S SOCIAL SECURITY PAYMENTS WOULD NOT BE COUNTED.

This minimum guarantee is still below the AAUP-AAC recommended minimum but would be a practical solution to the problem. In addition, this minimum would be tied to the salary structures of the retiring year -- and increase if these increase. Further, it is the fairest type of guarantee, for it is geared to rank and final salary, and does not equate 25 years of service with 35 years of service -- and then set the guarantee in terms of the 25 years -- as does the old guarantee.

Second, the present separate retirement plan is not fair to those with lower salaries

Second, the present step-rate retirement plan is not fair to those with lower salaries. For instance, on a \$20,000 yearly salary the University contributes about 7-3/4 % to retirement; on a \$12,000 salary, about 6-1/3%. Hence in the interests of justice, and in order to assure an adequate retirement for our present faculty, the Faculty Senate proposes:

THE UNIVERSITY OF NOTRE DAME SHOULD CONTRIBUTE TO FACULTY RETIREMENT A STRAIGHT EIGHT PER CENT OF THE CONTRACTUAL SALARY.

January 1972

FACULTY SENATE: PROPOSALS ON FACULTY RETIREMENT INCOME GUARANTEE AND NOTRE DAME'S CONTRIBUTION TO FACULTY RETIREMENT

- I In order to eliminate the present sub-standard faculty retirement income guarantee, the Faculty Senate proposes as a new minimum:

ONE AND ONE-FOURTH PER CENT (1-1/4%) OF THE FINAL SALARY OF THE RETIREE IN HIS RETIRING YEAR FOR EACH YEAR OF SERVICE PAST THE AGE OF 30. THIS GUARANTEE WOULD INCLUDE ONLY THE UNIVERSITY PART OF THE RETIREMENT INCOME (I.S. ALL REGULAR TIAA, CREF, AND FUNDED PAST SERVICE CONTRIBUTIONS): RETIREE AND WIFE'S SOCIAL SECURITY PAYMENTS WOULD NOT BE COUNTED.

- II In the interests of justice and in order to assure an adequate retirement for present faculty, the Faculty Senate proposes:

THE UNIVERSITY OF NOTRE DAME SHOULD CONTRIBUTE TO FACULTY RETIREMENT A STRAIGHT 8 PER CENT OF CONTRACTUAL SALARY.

Recommendations of the Faculty Senate to Father Burtchaell
Concerning the Statement of University Policies and Procedures
Concerning Faculty Appointments, Promotions, and Tenure

The following is the final version of the Committee on Administration's proposal to Father Burtchaell as mentioned in Notre Dame Report #9, p. 137, under New Business.

The Faculty Senate is basically in favor of Father Burtchaell's statement of the University administration's policies and procedures concerning faculty appointments, promotions, and tenure which appeared in Notre Dame Report #2, p. 23. The Senate also believes that the essential acceptance of AAUP recommendations on probationary period and notice of non-renewal of contracts is highly advisable and strongly recommends its adoption by the Academic Council. The Senate also supports the provost's views on faculty quotas and leaves of absence provided they are flexible enough to provide for further growth stimulated by national needs in education. Father Burtchaell's statement of the University administration's present convictions and position on the matters of faculty appointments, promotions, and tenure was undoubtedly made to point out his desire for the creation of an excellent faculty which is, of course, shared by all of us. The Senate is generally in favor of the recommendations except for the constraint of no more than two-thirds and no less than one-half of the regular faculty of a given department being tenured. We believe that establishing such a constraint will be detrimental to the University. Since tenure is to be awarded on performance of the candidate and the needs of the department, it is necessary that it be available for those qualified regardless of the percentage already on tenure in a given department. If rigid quotas are imposed on the departments, the precise thing the provost deplored--the loss of excellent young faculty to other universities able to offer much better opportunities--will again, of necessity, become a reality. A study of the University shows that nearly all the departments in the College of Science, Engineering, the Law School, and the College of Business Administration, and about one-third of the departments in Arts and Letters are at or over the limit. If these rigid constraints are strictly adhered to, many departments will be severely restricted in their efforts to improve themselves through promotion of their excellent young faculty members and in the hiring of new members, especially those new faculty who have already distinguished themselves and deserve tenured positions. We realize that in the past some have been given tenure who never lived up to their promise; however, if the new procedures are adopted such that tenure is only awarded on the basis of performance, further occurrences should not happen. Thus the Senate recommends that the one-half to two-thirds constraint on tenured faculty of a given department be abolished and that although some guidelines are probably in order, they should not be a roadblock to promotion or the granting of tenure to deserving faculty.

RESOLUTION

Be it resolved that the Faculty Senate strongly recommends that the one-half to two-thirds constraint on tenured faculty in a given department be abolished, and that although some guidelines are probably in order, they should not be a roadblock to promotion or the granting of tenure to deserving faculty.

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