

# notre dame report

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# the university

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## increases in tuition, room and board

The University has increased tuition, room, board and laundry an average of 9 percent to a total of \$9,445, for the 1984-85 school year.

Tuition is being increased from \$6,450 to \$7,080 and room, board and laundry from \$2,215 to \$2,365 for undergraduates. Graduate School tuition goes from \$6,270 to \$6,900, the Law School from \$6,470 to \$7,310, and the regular M.B.A. program from \$6,370 to \$7,000.

In a letter to parents, Father Hesburgh quoted from a recent North Central Association of Colleges and Schools accreditation report, which noted that "one of the outstanding strengths of Notre Dame is its very competent and conservative fiscal management. The University's president also pointed out that in a survey of 35 peer institutions, Notre Dame was 30th in amount of tuition, 35th in room and board and 33rd in overall costs.

## renaissance exhibition to feature master works

Scholars in the University's Medieval Institute have assembled eighty-seven Renaissance drawings from the Biblioteca Ambrosiana in Milan for an art exhibition which will tour five major American museums beginning in August.

The exhibition represents master works from the late 14th to the early 17th century and includes drawings by Leonardo Da Vinci, Raphael, Albrecht Durer, Hans Holbein the Elder, Pisanello, Pieter Bruegel the Elder, Giorgio Vasari and Federico Barocci. The drawings are on loan from the Ambrosiana, one of Europe's oldest and most prestigious research libraries, founded by Cardinal Federico Borromeo, cousin of St. Charles Borromeo, in 1603.

The exhibition will be on tour in the United States for thirteen months, visiting the National Gallery of Art, Washington, D.C. (Aug. 12-Oct. 7); the University of Notre Dame's Snite Museum of Art (Oct. 21-Dec. 30); the Los Angeles County Museum of Art (Jan. 24-March 17, 1985); the Cleveland Museum of Art (April 2-June 16, 1985); and the Kimbell Art Museum, Fort Worth, Texas (July 1-Aug. 25, 1985). In September, the exhibition will return to the Biblioteca Ambrosiana.

Further information on the exhibition may be obtained from Louis Jordan, Curator, The Medieval Institute, University of Notre Dame, Notre Dame, Indiana 46556, (219) 239-7420.

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# faculty notes

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## appointments

Rev. David T. Tyson, C.S.C., executive assistant to the president, will assume the vice presidency for student affairs, effective immediately. Stepping down from a position he held for six years is Rev. John L. Van Wolvlear, C.S.C. Replacing Father Tyson as executive assistant to Father Hesburgh will be Rev. E. William Beauchamp, C.S.C. Father Beauchamp has been serving as assistant to Notre Dame's executive vice president, Rev. Edmund P. Joyce, C.S.C., and will continue also in this capacity.

## honors

Thomas Bergin, dean of continuing education and professor of management, was elected to the National Board of Young Audiences, Inc.

Steven W. Hurtt, associate professor of architecture, has been reappointed to the editorial board of the Journal of Architectural Education.

Alven M. Neiman, assistant dean of arts and letters, was recently elected to membership in the Society for Values in Higher Education and in the Philosophy of Education Society.

Gordon Sargent, professor and chairman of metallurgy and materials science, has been elected a Fellow of the American Society for Metals (ASM). Sargent was cited for his "continued dedication to education and outstanding contributions to the development of an understanding of the complex process of erosion damage to materials."

Robert P. Schmuhl, assistant professor of American Studies, has been elected to the Board of Trustees of the Michiana Professional Chapter of the Society of Professional Journalists, Sigma Delta Chi, for a two-year term.

## activities

Malcolm J. Fraser, Jr., assistant professor of biology, presented a poster session entitled "The FP Mutants of Nuclear Polyhedrosis Viruses: Evidence for Transposon Mediated Mutagenesis" at the UCLA Symposium on Genome Rearrangement, Steamboat Springs, Colo., April 7-14. He gave an invited seminar, "Baculovirus Expression Vectors," at Abbott Laboratories, North Chicago, Ill., June 1.

Rev. Patrick D. Gaffney, C.S.C., assistant professor of anthropology, presented an invited paper, "Authority and the Mosque in Upper Egypt: The Islamic Preacher as Image and Actor," at a conference sponsored by the Social Science Research Council, New York, N.Y., May 25-27. The conference was entitled "Multiple Voices: Islam and Politics in the Contemporary World."

Denis Goulet, William and Dorothy O'Neill professor of education for justice, delivered a lecture and gave a workshop on "Development Responsibilities of Change Agents" to USAID/Development Studies Program, Harper's Ferry, W.V., May 23.

Thomas L. Doligalski, assistant professor of aerospace and mechanical engineering, presented an invited lecture, "Vortex Loop Dynamics - A Turbulence Model," at Ohio State University, Columbus, May 25.

Nathan O. Hatch, associate dean of arts and letters and associate professor of history, served as program chair for the spring meeting of the American Society of Church History, Denver, Colo., March 29-31. The theme was "Religion and Science." He read a paper, "The Great Awakening and American Democracy," at the annual meeting of the Organization of American Historians, Los Angeles, Calif., April 6. He delivered a paper, "Spreading the Millerite Message," at the conference on "Millerism and the Millenarian Mind in 19th-Century America," Killington, Vt., June 1.

James Holston, assistant faculty fellow in the Kellogg Institute, presented two invited lectures, "The Death of the Street in Modern Architecture: The Case of Brasilia" and "Cults, Culture and the Popular Classes in Brazil," to the Department of Anthropology, University of Southern California, Los Angeles, April 25-29.

Linda L. Hudgins, assistant professor of economics, presented a paper entitled "Survey Research on Impacts of Deregulation: Survey of Class I and II Household Goods Motor Carriers" at the Conference on Computer Software Uses in Transportation and Logistics Management, Boston, Mass., May 31-June 1.

John Humphreys, visiting associate professor of mathematics, gave an invited lecture entitled "Twisted Products and Projective Representations of Monomial Groups" to the algebra seminar at the University of Illinois at Champaign-Urbana on April 12.

Thomas Jemielity, associate professor of English, delivered an invited paper, "Samuel Johnson, The Vanity of Human Wishes, and Biographical Criticism," at a meeting of the Johnson Society of the Central Region, University of Chicago, Chicago, Ill., May 11-12. At the same meeting, he was elected president of the Society for a one-year term.

Thomas H. Kosel, assistant professor of metallurgical engineering and materials science, presented two invited papers entitled "Observations of Erosion Debris Particles Produced by Micromachining" and "The Size Effect in Abrasion of Dual-Phase Alloys" at the ASLE Annual Meeting in Chicago, Ill., May 7-10. Kosel also chaired a session at the meeting.

John W. Lucey, associate professor of aerospace and mechanical engineering, chaired a session entitled "Proposed Use of Low-Enrichment Fuel in Research Reactors" at the American Nuclear Society Meeting, New Orleans, La., June 3-6.

Rev. Donald P. McNeill, C.S.C., concurrent assistant professor of theology and director of the Center for Social Concerns, presented a talk on "Social Concerns Education at Notre Dame" to the Advisory Council of the Association for Catholic Colleges and Universities, Washington, D.C., April 17; at a meeting of the Alumni Board and Senate at the Center for Social Concerns, April 25; and at the Notre Dame Alumni Reunion, June 1-2.

Alvin Plantinga, Rev. John A. O'Brien professor of philosophy, gave a lecture, "Coherentism and the Evidentialist Objection to Theistic Belief" at the University of Arizona, Tucson, May 9.

Sharon A. Pocock, visiting instructor in modern and classical languages, read a paper, "Development of Narrative Scope in the Prose Guy de Warwick," at the 19th International Congress on Medieval Studies, Kalamazoo, Mich., May 13.

Philip A. Politowicz, research associate in the radiation laboratory, spoke on "Reaction Efficiency in Organized Molecular Assemblies" at the 58th Colloid and Surface Science Symposium, Pittsburgh, Pa., June 11-13.

J. Eric Smithburn, professor of law, presented a lecture on "Judicial Discretion" to 50 appellate judges at the ABA-sponsored Appellate Judges Seminar in Charleston, S.C., on May 21.

James P. Sterba, associate professor of philosophy, chaired a session and presented a paper entitled "Justifying Nuclear Deterrence: The Right and the Wrong Ways" at a meeting of the American Society for Value Inquiry held at the Western Division Meeting of the American Philosophical Association in Cincinnati, Ohio, April 26-28. He presented a paper entitled "Social Welfare vs. National Defense" at a conference on Social Conflict held at Bowling Green State University, Bowling Green, Ohio, May 4-6.

Anthony M. Trozzolo, Charles L. Huisking professor of chemistry, presented an invited lecture entitled "Solid-State Photochemistry" at the Corporate Research Laboratories, Allied Corporation, Morristown, N.J., on June 1.

Robert P. Vecchio, professor and chairman of management, chaired a paper session on "Issues in Commitment and Work Centrality" at the Midwest Regional Meeting of the Academy of Management, Notre Dame, Ind., April 11.

# administrators' notes

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## appointments

J. Christopher Carlin, has been appointed director of planned giving. Carlin, a 1980 Notre Dame law graduate, formerly served as a member of the Miller and Carlin law firm of St. Joseph, Mich.

Edwin B. Harris of Syracuse, N.Y., has been appointed associate director of financial aid, and Rev. Joseph H. Carey, C.S.C., has been promoted to assistant director of financial aid.

Michael Pinter has been named assistant director of the Purchasing Department. He formerly served as a buyer in the department.

James A. Roemer has been appointed to the position of director of community relations and special programs, announced Dr. William P. Sexton, vice president for public relations, alumni affairs and development. The appointment will bring together in a new position responsibilities that have been decentralized on campus. Among constituencies with which Roemer will be the University's principal liaison are municipal and county governmental entities, neighborhood organizations, the United Religious Community and similar groups, United Way and member agencies, ethnic groups, business and industry, service clubs and professional organizations. In an analogous off-campus role, Roemer will be an adjunct program officer of the Alumni Association, fostering the community relationships of alumni clubs, notably through the summer service projects sponsored jointly by the Alumni Office, the Center for Social Concerns and the Andrews Scholarship endowment. Roemer will assume his new position in September, after a brief sabbatical. He formerly served as dean of students for nine years and University attorney for three.

## honors

Ellen D. Rogers, sponsored programs administrator in the Division of Research and Sponsored Programs, was reelected treasurer of the Midwest Section of the Society of Research Administrators which met in Cincinnati, Ohio, in May.

Robert M. Zerr, director of Environmental Health and Safety, was elected president of the Hoosier Chapter of the Health Physics Society for a one-year term.

## activities

Janine S. Andrysiak and Ellen D. Rogers, sponsored programs administrators in the Division of Research and Sponsored Programs, participated as members of the Program Committee in planning and coordinating the joint Midwest/Southern Sections Meeting of the Society of Research Administrators in Cincinnati, Ohio, May 2-4.

Kitty Arnold, director of the Career and Placement Services office, served on two panels at the American College Personnel Association convention in Baltimore, Md. The programs were entitled "Reflection and Update: Career Counseling in the '80s," April 9, and "Issues and Possibilities for Career Planning Services and Counseling Centers," April 11. She also completed her two-year term of office as chairperson of the Commission on Career Counseling and Placement at that conference. Ms. Arnold was also an invited participant in a conference sponsored by the University of Maryland for college career services professionals, April 11-13. The focus of the conference was "Projections for Career Services Delivery Systems in the Future."

Richard W. Conklin, director of information services, conducted a workshop in publicity for participants in the Northern Indiana Nuclear Weapons Freeze Conference in South Bend, Ind., March 31.

# documen- tation

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## faculty senate journal april 9, 1984

The Faculty Senate meeting in Room 202 of the Center for Continuing Education was called to order at 7:37 p.m. by Prof. Mario Borelli. Prof. John Yoder gave the opening prayer. Then Borelli reported briefly on the Academic Council Executive Committee meeting which had just taken place. The final examination policy was discussed and about 90% of what the senate had endorsed had been agreed to. The one difference was the difference in weighing the exam's importance. While the senate had endorsed 20-40%, the Executive Committee of the Academic Council had agreed to 20-50%.

After a motion by Prof. Phillip Helman and a second by Prof. Karl Kronstein, the minutes for the Feb. 14, 1984 meeting were unanimously approved.

Borelli then gave the floor to Prof. Donald Barrett after expressing the gratitude of the senate for his work in preparing the Compensation Report. Barrett directed everyone's attention to the proposed resolutions in the Report. The sixth one dealt with the decline in medical benefits and possible methods of offsetting this. He presented figures to support a salary reduction of 1% to assist in paying for medical benefits and reduce taxes. Several senators questioned his figures. Prof. Leo Despres expressed concern over what the faculty was receiving as to options on benefits. While Barrett argued for more control over health benefits, Despres felt that the senate should be concerned about choices for all benefits: "Distributing the costs without bettering the benefits won't work." Barrett then suggested that the senate pass a resolution to reduce salaries in order to help cover the cost of benefits to lower paid staff. He also expressed the hope that the senate would resolve to request the Administration to announce changes in benefits during the school year rather than during the summer.

An eighth resolution was then proposed by Barrett to cover "flexes." He described a flexes program used by Blue Cross/Blue Shield of Indiana and by the Educational Testing Services. In such programs mandatory benefits are subtracted from the benefit budget and the remaining monies can be spent on a variety of benefits depending on personal choice.

At this point Borelli suggested that each proposed resolution be voted upon. The first expressed the appreciation of the senate to the Administration for their efforts to raise salaries. Despres spoke against it mentioning the low salary increases. Prof. Vincent DeSantis suggested a slight rewording and the following passed:

Be it resolved:

1. that a clear message of public appreciation be given from all faculty to Fr. Hesburgh, Prof. O'Meara, Fr. Joyce and other administrators for their substantial efforts over the last three years in regard to salary increases;

And the next resolution was quickly passed without any amendments:

2. that the University make more effective efforts to attract, retain and motivate for academic production and promotion female scholars in all fields.

However, the third proposed resolution concerning Non-Regular Faculty was criticized by a number of senators. Prof. Linda-Margaret Hunt explained that Non-Regular Faculty were

covered by the Academic Manual, and that they were hired to cover regular Teaching and Research Faculty. Capt. John Rohrbough questioned Barrett as to why he felt a study of Non-Regular Faculty was necessary. Barrett felt that adjunct faculty were not usually involved in research and/or professional development of the University. Prof. John Uhran said that they were hired to help departments keep up with sudden growth. DeSantis brought the discussion back to the point of the resolution: a study of Non-Regular Faculty. Prof. William Eagan asked if the senate itself could investigate. Yoder agreed that the Administrative Committee could conduct the study. The question was called, and the resolution was defeated.

The fourth proposed resolution complemented the senate's proposed modification to the Academic Manual with regard to the Library, Research and Specialist Faculties. Prof. Robert Vacca remarked that it appeared difficult for these faculties to promote and attract female members. Barrett said that the data in Table 2 of the Compensation Report showed that only 10% of all faculties were female. Vacca said the statistics unfortunately did not reveal causes for the unbalance in the male/female ratio. He asked what mandate Sr. John Miriam's committee had drawn up from the Frese suit with regard to the Library, Research and Specialist Faculties. DeSantis asked if the problem might be within departments rather than with the Administration. Despres expressed the opinion that positive steps should be taken by the University to improve the levels and increase in salaries. This wording was suggested as an amendment to the resolution. Barrett supported this wording. However, he also felt that the University should explain why it can't attract and/or promote female faculty members. Both Prof. Michael Crowe and Uhran expressed the opinion that the data as presented in the Compensation Report did not support Barrett's resolution. Rohrbough called the question. The following was passed with a vote of 11 to 9:

3. that the University should take positive steps to improve the levels and increases in salary/compensation, as well as the promotion systems in Library, Research and Specialist Faculties (especially female members of these faculties);

Barrett then explained the fifth resolution he had proposed. This one requested that the Administration pay explicit attention to faculty morale. He felt that this was important as it was a definite factor in the survey he had conducted earlier this year. Prof. Jean Rosenberg asked Barrett for a clarification of the phrase "explicit attention." Borelli proposed amending the resolution to include the clause: the senate wishes to express to the Administration the results of the Survey. Then Vacca suggested that the resolution did not belong with the Compensation Report. Uhran agreed with him saying that the survey needed its own report. Crowe argued for the relevancy of the resolution. Prof. Peri Arnold countered that the Administration might not look for the reasons for low morale, but rather assume that mediocre people meant morale problems. Borelli called the question, and the resolution was not passed.

Then Prof. Harvey Bender proposed that the results of the Survey of Faculty Opinion be forwarded to the Administration accompanied by the defeated resolution:

That the University pay explicit attention to faculty morale; the senate's recent Survey of Faculty Opinion suggested that almost one-third of our faculty were pessimistic about any real achievement and change toward scholarly goals.

This was passed with only 1 vote opposed and 1 abstention.

Barrett proposed a simplification to the sixth resolution: that the University offer a greater number of choices to faculty members regarding salary reduction. Prof. John Lucey commented that the figures Barrett had presented earlier did not substantiate the case for salary reduction. Both Vacca and Hunt spoke in favor of the notion of fairness toward lower paid staff saying that this was not included in the resolution. Prof. John Fitzgerald felt that the option was interesting but that it needed more thought. Lucey moved to table the resolution. This passed unanimously.

Barrett was asked by several senators to explain the seventh resolution. He did so by saying that while the full professors have received raises, their salaries were still not within the 1 AAUP ranking. Crowe simplified the resolution, and the following wording was passed with 1 opposing vote.:

4. that efforts be made by the University to bring the rank of full professor within the 1 AAUP rating for salary/compensation.

Crowe then made a motion to thank Barrett for all the work he had done in preparing the Compensation Report. This was unanimously passed.

Borelli suggested tabling any further changes to the Academic Manual. The senate agreed.

After the break Crowe reported that he had had 160 responses out of 600 to his questionnaire on sabbatical leave, and that 95% favored a stated policy while 3% did not. On the question involving money to pay for the sabbatical, 61% responded that they would accept a 1/2% reduction in salary to assist in funding leaves.

Eagan called the question of a quorum as there were only 22 present. In checking the Bylaws it was found that only 1/3 of the membership was necessary for a quorum. Therefore a quorum was present.

Business continued with Vacca reporting briefly on the work of the Castellino Committee. He explained that the senate would be acting in an advisory capacity to the Executive Committee of the Academic Council. The proposed grievance procedures would cover all faculties in causes for grievances which were not already covered by other procedures. The panel proposed by the procedure would act as a filter to determine the worth of any case for grievance. Access to confidential information has proven to be a problem in drawing up the procedures. However, Vacca felt that it was a triumph that the procedures included a reporting to all affected parties as well as the fact that the Administration would be accountable to a faculty committee. He recommended its support saying that it was a type of procedure used at many universities.

Borelli thanked both Vacca and Barrett for their work on the Castellino Committee. He then expressed the opinion that Executive Committee was not going to strongly recommend it at the Academic Council meeting. Vacca mentioned that the question of salaries as a reason for grievance would come up on the floor. The Deans would argue against its inclusion because too many figures would become too openly available. He said that while other universities did include salaries perhaps it would be best for the senate to see how things went at the meeting. He felt that if only the petitioner's salary was open to examination by the grievance panel, then perhaps the question of freezes could be handled. Arnold asked if it might be politically feasible to suggest that variances in salaries be given rather than full amounts. Then Vacca, Borelli, DeSantis, and Arnold debated the merits of including specific percentages as punitive, and the confidentiality issue. Uhran said that he felt it was more important to have a senate member at the Academic Council meeting who could make a specific, appropriate motion. Yoder agreed while suggesting that Borelli and the others keep the discussion in mind.

When Borelli asked for the sense of the senate on this matter, Crowe responded that the grievance policy should include cases where the faculty member alleges a substantial pattern of salary discrimination. Hunt suggested placing such a statement in the paragraph describing what cases the panel would hear. Despres stressed the point that salary is the leverage which the Administration uses in its dealing with the faculty. Borelli expressed the opinion that the use of salary as a punitive tool had to be justified. Prof. Joseph Tihen reminded the senate that it wasn't responsible for writing the document for the Academic Council. Crowe suggested the following wording be kept in mind by Borelli and the others at the Academic Council meeting:

The grievance policy should include cases where the faculty member alleges a pattern of unjustifiable salary allocation.

Borelli said he felt he could now sense the senate's feelings on the matter.



Because the senate had not yet heard from Mr. Thomas Bull on the question of bids for health insurance and because the Administration had a history of adopting changes during the summer, Yoder suggested the senate vote to hold extended Executive Committee meetings so that any Senator on campus could attend and the senate could react in a timely manner. DeSantis made such a motion and Arnold seconded it. The vote was unanimous. With this the meeting adjourned at 10:10 p.m.

Absent but not excused: Subhash Basu, chemistry; Salvatore Bella, management; Rudolph Bottei, chemistry; Paul Conway, finance and business economics; Michael Francis, government and international studies; Philip Gleason, history; Richard Hunter, Jr., management; Donald Kommers, government and law; Irwin Press, anthropology; Kenneth Sayre, philosophy; William Slowey, accountancy; William Stanchina, electrical engineering; Stephen Worland, economics.

Absent but excused: James Bellis, sociology; Rev. David Burrell, C.S.C., theology; David Dodge, sociology; Sandra Harmatiuk, freshman year of studies; Teresa Phelps, law; George Sereiko, library.

Respectfully submitted,

Jean A. Rosenberg

## faculty senate journal may 2, 1984

Faculty Senate chairman Prof. Mario Borelli called the meeting to order at 7:30 p.m. in Room 202 of the Center for Continuing Education and he offered the opening prayer. The minutes for the March 28, 1984 meeting were approved after several changes by Prof. Michael Crowe and David Burrell, C.S.C.

Borelli proceeded to recognize both the newly elected and the retiring senators noting that several departments had not yet held elections.

He then gave the chairman's report which provided a synopsis of the past year:

1. Financial aid to students and admission policies: Mr. Donald Bishop reported on the ideal student taken from an earlier survey of the faculty's perception of the student body. The final report will be due fall 1984. Prof. Vaughn McKim's report on financial aid has as yet received no response from the Administration.

2. Career and Placement Services: Prof. David Dodge reported that the senate study found that: "All students are treated equally poorly." This is despite the efforts of the office to increase their services.

3. Foreign Studies Program: Senate's action acted as a catalyst to the Provost's Office to begin a study of the various programs.

4. Academic Manual revision: Senate's recommendations except for the Preamble have primarily been approved by the Executive Committee of the Academic Council which is still discussing changes to the Manual.

5. Faculty Grievance Procedure: Senate had recommended both wording and ideas with regard to salary grievances which the Academic Council had just voted down. The rest of the procedure which had senate endorsement was approved by the Academic Council. Borelli summarized the procedure stating that even without compensation being included, the senate had won some good points: a) the three-member panel from the Grievance Committee is entitled to access to all data necessary to the investigation; b) committee members will be elected from the faculties at large; c) confidentiality is stressed in the procedures; and d) "If redress is recommended by the panel, but denied by the Provost or President, that administrative official must meet with the panel and the petitioner and explain the reasons for the failure to redress."

At this point in the report several senators had questions about the Grievance Procedure. Prof. Robert Vacca asked if the procedure was probationary for three years. Borelli said he assumed that it would be going into the revised Academic Manual immediately. Prof.

Irwin Press asked if there was any indication that compensation matters could be included at a later date. Borelli replied that while the procedure was not set in stone, it would be unwise to pursue this matter. He spoke of his gratitude to Prof. Fernand Dutilleul for drafting the proposed wording with regard to compensation. Then he returned to his report.

6. In-house chairs: Prof. John Uhran indicated data from 13 out of 19 universities polled on the matter had been received and that an initial report would be ready in September.

7. Early Childhood Development Center: Senate's recommendations to the Board of Trustees urging them to establish a meaningful dialogue with the Group of Concerned Parents has been favorably acted upon.

As various projects of the Administrative and Student Affairs Committees had been covered in his report, Borelli then gave a report on the activities of the Faculty Affairs Committee for Prof. Donald Barrett.

1. Medical benefits: Much work had been done on this matter and a report would be made later in the meeting.

2. Compensation Report: For the first time all the faculties had been considered and statistics on women faculty members had been gathered. This report has been forwarded to the Administration.

3. Faculty renewal: Prof. Michael Crowe presented his Report on the Faculty Senate's Questionnaire to the Faculty Concerning Sabbatical Leave Policy (See Appendix I). A copy has gone to the Provost and Dr. Thomas Carney, Chair of the Board of Trustees, has received both the report and the questionnaire.

4. Parking problems: Various senate recommendations under discussion currently.

5. Faculty forums: First was on medical benefits, second on changes to the Academic Manual, third on library automation, fourth on athletics.

Then Borelli gave the floor to Press as a representative of the senate on the sub-subcommittee of the Budget Priorities Committee. Press proceeded to give his report on "...the most frustrating meeting I've ever been at." The Personnel Office had a consulting firm in Chicago request bids from 8 or 9 companies, with 5 responding. Press said there was no question but that with the minimal data Notre Dame supplied Blue Cross/Blue Shield is not out of line with their charges. BC/BS was second from the lowest on both the present and previous policies, but the differences in bids were not enough to warrant changing. Apparently more bids would not have come in lower than those received. The rationale for using an outside firm was not explained to the sub-subcommittee.

Press stated Mr. Thomas Bull was very reluctant to discuss multiple choice programs, and that it was obvious he is in no way pursuing the possibility of an HMO. Bull very clearly believes that Notre Dame personnel are abusing health benefits and that increasing health costs are our fault. Relevant to this, Bull feels that the names of physicians on the VIP program should not be obtained and made available to faculty and staff, but rather that individuals should question their own physician. Press reported that he asked Bull if as a viable alternative to the present policy an extra premium could be paid by individuals wishing to "buy back" the first dollar policy we had before. Bull replied that first the present plan did offer some benefits in coverage which the old plan did not and that second it was foolish to pay a \$300 or \$400 "premium" for a \$1,200 policy. Bull said that the faculty were "nickle and diming it," because we are highly paid and don't need such savings. At this point Press said that he and Barrett reminded Bull that the majority of the insured are staff who earn as little as \$11,000 and \$12,000 yearly. Bull replied that the salaries of the staff at Notre Dame are comparable to work outside as "...they are not underpaid." He was not concerned about them and neither should the faculty be as: "They are used to low incomes and to managing financial hardship." Borelli thanked Press for his report and reminded the senate that we would have to continue to exercise pressure on the Administration perhaps through the summer meetings which had been previously approved.

After a short break elections were held for the Campus Life Council, Judicial Review Board, and the Traffic Violations Board. The ballots were held for counting until after the meeting.

Crowe gave a short Treasurer's report saying that currently the senate was within its \$4,100 budget, but that the bill for the CCE had not yet been received. To date \$2,846 had been sent, and next year's budget had been increased by \$200.

Changing the subject, Crowe asked if the senate felt his Report on the Faculty Senate's Questionnaire to the Faculty Concerning Sabbatical Leave Policy should be appended to the minutes. He suggested removing the personnel comments on the policy. Prof. Jean Rosenberg made the motion. Prof. Paul Conway seconded it, and it was unanimously passed. Crowe then commented that he and Borelli had been interviewed by the Observer, and that they hoped an article on sabbaticals would appear in time for the Board of Trustees meeting.

The last item of business was elections of officers for next year. Borelli submitted the following slate:

Chair: Rev. David Burrell, C.S.C.  
Vice Chairman: Donald Barrett  
Treasurer: John Yoder  
Secretary: Jean Rosenberg  
Administrative Affairs: John J. Uhran, Jr.  
Faculty Affairs: Robert A. Vacca  
Student Affairs: Teresa Phelps

He then opened the floor for additional nominations. Conway suggested that each office be separately considered. Prof. Harvey Bender moved a unanimous ballot at this point. This was quickly seconded by several senators. The vote was unanimous.

Borelli expressed his gratitude to the senate for a good year, and to Burrell for taking the chairmanship. Burrell made a motion to proclaim a vote of gratitude to Borelli for his leadership during the past year. This unanimously passed and the meeting was adjourned to a combination welcome and farewell wine and cheese party.

Absent but not excused: Subhash Basu, chemistry; Salvatore Bella, management; Vincent DeSantis, history; Jay Dolan, history; William Eagan, management; Michael Francis, government and international studies; Philip Gleason, history; Abraham Goetz, mathematics; Richard Hunter, Jr., management; Barry Keating, finance and business economics; Donald Komers, government and law; James Powell, graduate admissions; Kenneth Sayre, philosophy; William Stanchina, electrical engineering; Stephen Worland, economics.

Absent and excused: James Bellis, sociology; Rudolph Bottei, chemistry; Bernard Doering, modern and classical languages; Michael G. Katona, civil engineering; John Lucey, aerospace/mechanical engineering; Teresa Phelps, law; John Rohrbough, naval science; John Yoder, theology.

Respectfully submitted,

Jean A. Rosenberg

## APPENDIX I

### Report on the Faculty Senate's Questionnaire to the Faculty Concerning a Sabbatical Leave Policy

Introduction: In late March, the Faculty Senate Subcommittee on Faculty Research and Renewal distributed a ten-question questionnaire to all regular faculty, asking for information on their preferences as to the senate's unanimously endorsed proposal for the establishment of a sabbatical leave policy for Notre Dame. As of April 24, 271 responses had been received. The following is a report on those responses.

#### Question 1: Number of Years on the Faculty

The average time of the respondents on the faculty was 12.7 years.

#### Question 2: Number of University Funded Leaves Received

The average number of one-semester university funded leaves received by the respondents was .69 semesters. This indicates that the average time between leaves for these faculty was 18.4 years.

Comment: This figure is in substantial agreement with the senate's data compiled from a survey of department chairmen for the years 1982-1984 which indicated that on the average, the time between leaves for Notre Dame faculty is currently 16.17 years.

#### Question 3: Preferences for Frequency of Leaves

The question asked (with the tabulated responses inserted) was:

"Were Notre Dame to adopt a sabbatical policy, how frequently do you envision that you would wish to make use of it? Check one.

[55%] Would probably apply every seven years.

[13%] Would apply sometimes but probably not as frequently as every seven years.

[4%] Would apply only rarely.

[2%] Would probably never apply.

[26%] Would probably apply for a funded leave more frequently than every seventh year."

Comment: These responses are indicative of the intensity of interest among faculty in securing leaves.

#### Question 4: Costs

The question asked (with the results inserted) was:

"The adoption of a sabbatical policy could entail substantial cost because it would mean that faculty would receive leaves more frequently than at the present rate, i.e., once every 16.17 years. It is however very difficult to specify what this cost would be. Some of the necessary funding might come from present funds, e.g., by replacing a senior faculty member on leave for a year at half salary by a junior faculty member or advanced graduate student whose salary could be recovered from the salary of the faculty member on leave. In other cases, persons in a department might be able to cover the necessary courses, or slightly fewer courses might be offered in a given year. Nonetheless, some additional funds might be necessary. The realities of the situation are that some portion of such funds might be taken from salary increases. Were a sabbatical policy to entail, say, one half percent smaller increases for each of two years, would this be acceptable? Check one.

[62%] Yes

[38%] No"

Comment: The faculty response to this question seems remarkable, especially in light of the fact that some persons involved in the construction of the questionnaire had urged against its inclusion on the grounds that it could generate negative responses from the faculty on question 10. It was however felt that it was important to test the depth of faculty commitment to the idea of a sabbatical policy and there seemed no more effective way to do this than to ask whether they would in effect contribute financially toward its implementation. It should be noted that many faculty stated that they felt it vital that the administration seek other sources of support for a sabbatical policy.

#### Question 5: Leaves at Notre Dame or Elsewhere?

The question asked (with responses inserted) was:

"Were I to receive a sabbatical leave, I would probably spend it

[21%] at Notre Dame.

[79%] elsewhere."

Comment: Many faculty noted that although they would spend most leaves elsewhere, they would stay at Notre Dame in many cases, depending on their specific needs. Consequently, data on the present practices of faculty on University funded leaves are probably the best source for projections as to whether faculty would leave or remain during a leave period.

#### Question 6: One Semester at Full Pay or Two Semesters at Half Pay?

The question asked (responses inserted) was:

"Were I to receive a sabbatical leave, I would probably

- [51%] take two semesters at half salary, possibly supplementing my income by grants or by teaching elsewhere.  
[49%] take one semester at full salary."

Comment: These responses have important bearing on cost calculations concerning a sabbatical policy. For the 51% who would take full year leaves at half salary, the University would recover the other half of their salaries, it becoming available for replacement faculty. In many such cases, the courses of the person on leave could consequently be covered without additional cost to the University.

#### Question 7: Goals for Leaves

The question asked (responses inserted) was:

"I believe the following are legitimate goals for leaves:

- [93%] Completion of research and publication.  
[83%] Developing expertise in a new area within my discipline or keeping abreast of new developments.  
[36%] Preparing course materials for new or existing courses.  
Other: (Please specify)."

#### Questions 8 and 9: Affiliations of Respondents

Respondents were asked to designate their colleges and, if they wished, their departments. The respondents by University division were:

Arts and Letters:	125
Business:	20
Engineering:	35
Science:	62
Law:	10
Library:	14
Other or unknown:	5
Total:	271

#### Question 10: Overall Preferences

The question asked (responses inserted) was:

"My position concerning the desirability of a sabbatical leave policy is:

- [95.45%] favorable  
[4.55%] unfavorable."

Comment: This is a most striking result. Over 95% of the faculty favor a sabbatical policy, only twelve persons voting against it. In assessing this result, it is important to keep question 4 in mind and to note that the covering letter accompanying the questionnaire insured that faculty had a clear understanding of the nature of a sabbatical policy as proposed by the senate.

#### Conclusion and Summary

The results of this questionnaire indicate that the overwhelming majority (over 95 percent) of Notre Dame faculty favor the establishment of a sabbatical policy along the lines proposed by the Faculty Senate. Moreover, judging by question 4, they are realistic about the costs involved and are deeply committed toward supporting its adoption.

Respectfully submitted,

Michael J. Crowe  
Chairman, Faculty Senate Subcommittee on Faculty Research and Renewal

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## remarks by professor stritch at ceremony honoring rev. leo r. ward, c.s.c.

(Remarks by Professor Emeritus of American Studies Thomas Stritch on behalf of the Notre Dame faculty at the ceremony sponsored by the Maritain Center in honor of Rev. Leo R. Ward, C.S.C., May 2, 1984.)

I hope it is more striking than strange for me to say that I first knew Father Ward as an apostle to the present. He has been an apostle all his life, and has cultivated the apostolic virtues, especially that of traveling light. There is nothing in or about Father Ward that is to excess, nothing of words or goods or flesh and bone. There is no fat on him or in him. So, you were rather surprised to find him an apostle to the present. You would expect someone more modish and trendy. But that's what he was anyhow, to my college generation of the early 1930s.

Father Ward was an enormously popular teacher of philosophy, and a very unusual one to find in a Catholic college. Most of his colleagues thought philosophy an enterprise that was all finished up, tied in neat little bundles for distribution to students, like the food baskets for the poor. No need to doubt or ask questions, there it was, all the answers. But the Ward approach was different. He just asked questions, hard questions. He was very diffident about providing the answers, as this document I saved from 1934 shows. It was Father Ward's way of summing up the course. It is a list of 39 articles, and I don't doubt now, though it never occurred to me then, that he chose the number quite deliberately. The list is headed, "The following propositions are suggested as defensible." And he expected students to attack or defend them freshly and intelligently, and he would answer them back in that spidery handwriting that hasn't changed much since then, tartly and smartly. I have a note from him dating from around that time. It begins, "Dear Immortal, Invincible." Well, as you can see, he had got me right from the start.

Well, as I have said, Father Ward did not think John of Salisbury had closed the book on philosophy, greatly as he admired the mediaeval philosophers. But he thought there were some other philosophers as well, some of them actually alive, some even -- tell it not in Gath -- non-Catholic. He had us read John Dewey, and the elder Sellars, and Wilbur Urban and R.B. Perry and other heroes of that kidney. Not only that, but he actually knew and talked to some of these worthies. For Father Ward was also an apostle to the American Philosophy Association. Notice, I did not say American Catholic Philosophy, though he was a faithful member of that body. The 1930s were a time of creating and fostering Catholic groups of all sorts. One can understand Catholic philosophy, or the history of Catholic life, though I always had a little trouble with the Catholic Poetry Association, and to this day I wonder what sets a Catholic librarian apart from another librarian. It was not among the propositions Father Ward suggested as defensible. But Father Ward moved out of the Catholics and among the non-Catholics. Furthermore, he liked them mostly, and they liked him back.

But this was a minor apostolic mission. Father Ward was mainly a home apostle. He taught, as he once said, around the clock and around the calendar, summer school and fall school and winter school and night school, for many a year. He made himself a scholar. Fascinated by Maritain, he learned French and translated him, and did it well, the Master said, though the Lord knows he knew very little English. Even more fascinated by Aristotle, he learned Greek so he could read him right. In some good part because of him, Notre Dame was ready for the first doctorate offered in the humanities, in philosophy, in 1937. To make the program really good, he helped bring the wonderful Ives Simon here to guide the doctoral candidates' study, for \$3,600 a year, I might add. He was co-responsible with Waldemar Gurian and Al Hermens for founding the Review of Politics. He went on all sorts of apostolic missions, to the agrarians, to the cooperatives, to the Rural Life Conferences, to Canada and to Ireland, but he cultivated his home garden faithfully and well.

But the Ward apostolate that touched us most was to the lay people here at Notre Dame. He just came on friendly. He would come to your home, take a cup of tea, take a mean hand at bridge or pinochle, above all take an interest. My set of Notre Dame contemporaries generally got Father Ward to preside at their marriages and baptize their children if they possibly could. We all felt that he was a part of us, and knew that we were part of him.

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All kinds of Notre Damers welcomed and cherished him, maids and monks, physicists and physicians, tomboys and Thomists. It's just as he said in a very recent poem,

Love thy neighbor,  
Be for and with whatever makes for his good,  
His life and health and happiness, at work,  
In the family, the local community, the  
Nation, the global spread of nations.

That's the way it is with Father Ward.

# advanced studies

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## information circulars

Additional information on all circulars listed may be obtained by calling Extension 7432. Please refer to the circular number.

## social sciences

**NIH—National Institute of Neurological and Communicative Disorders and Stroke  
RFA—Multidisciplinary Research Center(s) for the Study of the Neurological Basis of Disorders of Language, Behavior and Learning During Infancy and Early Childhood**

No. FY84-434

Program:

The NINCDS, in cosponsorship with the NIMH, intends to establish a multidisciplinary center(s) to conduct investigations in both a clinical and basic nature aimed at determining patterns of brain development and function in language, behavior, and learning disorders during infancy and early childhood. Investigators are encouraged to assemble multidisciplinary investigative expertise in appropriate fields to conduct such research. Investigative opportunities include neuroimaging: neuroanatomic studies utilizing NMR and neurophysiological studies employing such techniques as positron emission tomography; histopathological studies of brains; neuropharmacologic trials for treatment of some serious diseases and syndromes; experimental learning studies to examine the differences in language, learning, and behavior occurring in different patterns of brain development and in different brain dysfunction disorders, as well as similar studies of attention, perception, memory, and communicative and motor

skills. Also, studies of language, behavior and learning in children with serious diseases and syndromes would be supported as one end of the investigative spectrum. The NINCDS, in cosponsorship with the NIMH, intends to fund up to two research centers for an initial period of up to five years at a maximum direct cost of \$600,000 per year on any award. To obtain a copy of the complete RFA and/or further information, contact Dr. Drage.

Deadline:  
October 1, 1984

For Further Information Contact:

NIH - National Institute of  
Neurological and Communicative  
Disorders and Stroke  
Convulsive, Developmental and  
Neuromuscular Disorders Program  
Developmental Neurology Branch  
Joseph S. Drage, M.D., Chief  
Federal Building, Room 816  
Bethesda, MD 20205  
(301) 496-6701

(From 1984 ARIS)



## science

### The Johns Hopkins Center for Alternatives to Animal Testing Research Proposals

No. FY84-438

Program:

The Center is soliciting proposals which provide the fundamental knowledge base to develop alternative in vitro methods as substitutes to laboratory animals for the safety evaluation of commercial products. Application instructions are available from Ms. Williams.

Deadline:

July 25, 1984

For Further Information Contact:

The Johns Hopkins Center for  
Alternatives to Animal Testing  
Barbara J. Williams  
Secretary to the Director  
615 North Wolfe Street, Room 2306  
Baltimore, MD 21205-2179  
(301) 955-3343

(From 1984 ARIS)

### NASA Space Biology Program

No. FY84-433

Program:

Unsolicited proposals may be submitted for up to three years of work in the continuing ground-based research and flight opportunities of the Space Biology Program. The objectives of the Program are to: use the unique characteristics of the space environment, particularly microgravity, as a tool to advance knowledge in the biological sciences; understand how gravity has shaped and affected life on earth; and understand how the space environment affects both plant and animal species. The research in the Space Biology Program is divided into three broad areas: 1) Gravity receptor mechanisms; 2) Physiological effects of gravity; and 3) Role and gravity in development. Funding at an annual level of \$1 to \$2.5 million will be available for this Program in FY 1985. Current emphasis is on flight experiments that

can be accomplished using existing or minimally modified flight equipment. Further information on NASA research interests and facilities and equipment that are ready for flight now or are in development, can be found in the NASA Space Science & Applications Notice - Emerging Opportunities in the Space Biology Program, available from Dr. Halstead.

**Deadline:**

August 1, 1984 and February 1, 1985\*

**For Further Information Contact:**

NASA  
Life Sciences Division  
Dr. Thora W. Halstead  
Code EBT-3  
Washington, DC 20546  
(202) 755-3114

\*Research proposals may be submitted to NASA at any time. Proposal reviews, however, are generally held only twice a year and a proposal normally must be received by February 1 or August 1 to be considered in the following review session.

(From 1984 ARIS)

### North Atlantic Treaty Organization Advanced Study Institutes Programme

No. FY84-441

**Program:**

The NATO Civil Science Committee provides support of approximately \$25,000 for Institutes to cover the major part of travel and living expenses for lecturers and students. ASIs are tutorial courses of two weeks duration on new, important topics in most fields of the natural and social sciences for up to 100 scientists and research students. ASIs aim at the dissemination of advanced scientific knowledge and promotion of international contacts among scientists. No tuition fees are requested from participants. Scientists wishing to organize such a meeting should contact the NATO office for more information and application forms.

**Deadline:**

September 15, 1984, January 15 and April 15, 1985

**For Further Information Contact:**

North Atlantic Treaty Organization  
Director  
Advanced Study Institutes Programme  
Scientific Affairs Division  
B-1110 Brussels  
Belgium  
(02) 241 44 00

(From 1984 ARIS)

### North Atlantic Treaty Organization Collaborative Research Grants

No. FY84-440

**Program:**

The purpose of this program is to stimulate collaborative research carried out by scientists in the university, government and industry in different member countries of NATO. Grants of average \$4,000 are made for a period of one year (renewable) for travel and living expenses abroad. The research project must be specific, should be carried out jointly by scientists in at least two different member countries, and must rely on other support for its basic costs (salaries, equipment, consumables). Most fields of science are eligible for support, emphasis being given to fundamental aspects rather than to technological development, although projects in the basic and applied sciences with promising applications are also funded.

**Deadline:**

August 15, November 30, 1984 and March 31, 1985

**For Further Information Contact:**

North Atlantic Treaty Organization  
Scientific Affairs Division  
B-1110 Brussels  
Belgium  
(02) 241 44 00

(From 1984 ARIS)

### North Atlantic Treaty Organization NATO Advanced Research Workshops

No. FY84-442

**Program:**

NATO provides support of approximately \$15,000 for part of direct organizational expenses and for some travel and living expenses of workshop participants. These working meetings enable leading researchers, scientists and engineers to review the state-of-the-art in specific topics in fast moving fields and to formulate recommendations for the future. They are of about five days duration and attendance of between 20 and 40 persons is usually by invitation only. Scientists wishing to organize a workshop should contact the NATO office for further information and an application form.

**Deadline:**

September 15, 1984, January 15 and April 15, 1985

**For Further Information Contact:**

North Atlantic Treaty Organization  
Director  
Advanced Research Workshop  
Scientific Affairs Division  
B-1110 Brussels  
Belgium  
(02) 241 44 00

(From 1984 ARIS)

## North Atlantic Treaty Organization The NATO Double Jump Programme

No. FY84-443

### Program:

This program, established in 1982, uses the same international exchange mechanisms as those for basic science and inter-university cooperation but with the added feature of industrial participation in each of these activities. The mechanisms used are the research fellowship, cooperative research grant, advanced research workshop, and advanced study institute, appropriately adapted to new tasks and objectives and utilizing projects of industrial interest. Applicants may have their applications for a NATO research program considered under the Double Jump Programme as well as under the regular program if industrial participation is anticipated. For more information and specific applications for the program, contact the NATO Scientific Affairs Division.

### Deadline:

Contact the NATO office for exact deadlines for this program.

### For Further Information Contact:

North Atlantic Treaty Organization  
Director  
Advanced Research Workshop  
Scientific Affairs Division  
B-1110 Brussels  
Belgium  
(02) 241 44 00

(From 1984 ARIS)

## North Atlantic Treaty Organization Special Programme

No. FY84-444

### Program:

Promising new scientific fields as well as those which are subject to rapid changes are regularly surveyed by the NATO Science Committee in order to identify specific areas for short-term preferential support. The special programs currently active are: Global Transport Mechanisms in Geosciences (end 1988), Selective Activation of Molecules (end 1988), Robotics (begin 1984) and Cell to Cell Signals in Plants and Animals (begin 1984).

### Deadline:

Contact the NATO office for exact deadlines for this program.

### For Further Information Contact:

North Atlantic Treaty Organization  
Director  
Advanced Research Workshop  
Scientific Affairs Division  
B-1110 Brussels  
Belgium  
(02) 241 44 00

(From 1984 ARIS)

## National Science Foundation NSF Visiting Professorships for Women 1985

No. FY84-453

### Objectives:

To encourage women to develop more productive careers in the disciplines of science and engineering supported by NSF.

To provide greater visibility and wider opportunities for women scientists and engineers employed in industry, government, and academic institutions.

To provide encouragement for other women to pursue careers in science and engineering through the awardees' research, teaching, counseling, and mentoring activities.

### Program Description:

Awards are made to enable experienced women scientists and engineers from industry, government, and academia to serve as visiting professors at U.S. academic institutions.

The functions of the visiting professor are to conduct research at the frontiers of her discipline, and to serve as a role model, teacher, counselor, and mentor in the sciences and engineering.

The candidate is responsible for selecting and making all arrangements with the host institution.

Proposals will compete for awards on the basis of 1) the scientific merit of the proposed research, and 2) a specific plan for teaching, mentoring, and counseling activities.

### Eligibility:

To be eligible to compete an applicant must:

- Hold a doctorate in a field of research supported by NSF (or have equivalent experience).
- Have independent research experience in the academic, industrial, or public sectors.

- Be currently or recently affiliated with a U.S. institution.
- Not have a salaried position (or the promise of one) with the host institution at the time of application.

Members of minority groups and the physically handicapped are encouraged to submit proposals.

Award Period, Dates:

Awards may range from one term to 24 months full- or part-time, with the usual period being one year.

- Award announcement May 15, 1985
- Earliest starting date July 1, 1985
- Latest starting date July 1, 1986

Deadline:

November 15, 1984

For Further Information Contact:

National Science Foundation  
Visiting Professorships for Women  
Program  
1800 G Street, NW  
Washington, DC 20550

**National Science Foundation  
U.S.-Austria Cooperative  
Science Program**

No. FY84-437

Program:

This new program has been established within the Division of International Programs as a result of the signing of a Memorandum of Understanding between NSF and the Austrian Science Research Fund (FWF). The program includes cooperative research projects, scientific visits, and joint seminars/workshops. Support is limited to travel and subsistence costs for U.S. scientists. For further information and guidelines for preparation of proposals, contact Dr. Thompson.

Deadline:

September 15, 1984 and March 1, 1985

For Further Information Contact:

National Science Foundation  
Directorate for Scientific,  
Technological and International  
Affairs  
Division of International Programs  
Dr. Warren Thompson  
Room 1201  
1800 G Street, NW  
Washington, DC 20550  
(202) 357-9700

(From 1984 ARIS)

**Damon Runyon-Walter Winchell  
Cancer Fund  
Postdoctoral Research Fellowships for  
Basic Scientists**

No. FY84-445

Program:

Fellowships, applied for by the candidate under the guidance of a sponsor, are awarded to institutions for the support of the designated fellow under direct supervision of the sponsor. The emphasis of the research should be in all theoretical and experimental areas relevant to cancer. Candidates must hold either a Ph.D. or M.D. degree (or both), or equivalent graduate degrees. Ph.D. applicants must have received their degrees not more than one year before being considered by the Scientific Advisory Committee; M.D. applicants must have completed their residences and/or fellowship training not more than two years before consideration by the Advisory Committee. There is no limit to the number of applications from a given institution, but no more than two fellows will be allowed to serve at any one time under the direction of the same sponsor. The term of a fellowship is one to three years. A maximum stipend of \$17,000 is provided for the first postdoctoral year, with increments of \$1,000 for each of the next two years, if awarded. A sum of \$1,500 per year is also awarded to the laboratory in which the fellow is working. Application forms are available from the Fund.

Deadline:

August 15, December 15, 1984 and March 15, 1985\*

For Further Information Contact:

Damon Runyon-Walter Winchell  
Cancer Fund  
Scientific Advisory Committee  
33 West 56th Street  
New York, NY 10019  
(212) 582-5400

\*Awards begin January 1, May 1, and August 1, 1985 respectively.

(From 1984 ARIS)

**Whitehall Foundation, Inc.  
Grants in Basic Biological Research**

No. FY84-447

Program:

It is the policy of the Foundation to support specific research projects in the field of

basic biology relating to fundamental phenomena and hypothesis utilizing any plant or non-human animal. The Foundation may not consider funding work dealing with gene splicing, DNA, biochemistry, clinical research, immunology, cancer or pest control. It is the intent of the Foundation to support beginning works which might otherwise not be funded rather than applied research. Projects are funded for a maximum of three years. It is recommended that all interested applicants, holding advanced degrees at accredited universities, forward a preliminary proposal in the form of a two-page lay summary letter outlining the proposed work (in duplicate). These letters may be sent at any time during the year. If, upon review, the outlined work is found to be appropriate, the researcher will be asked to submit a formal application.

Deadline:

August 1, 1984 and February 1, 1985

For Further Information Contact:

Whitehall Foundation, Inc.  
220 Royal Palm Way, Suite 220  
Palm Beach, FL 33480  
(305) 655-4474

(From 1984 ARIS)

**Helen Hay Whitney Foundation  
Postdoctoral Research Fellowships  
in Biomedical Sciences**

No. FY84-448

Program:

Postdoctoral support of \$16,000 a year for three years, with allowances for travel and laboratory expenses, is provided for research training in basic biomedical sciences. Candidates must be beginning researchers (less than one year of postdoctoral laboratory experience), with the M.D. or Ph.D., 35 years or younger who plan careers in biological or medical research. Applications from abroad are not accepted because of the difficulty in arranging interviews.

Deadline:

August 15, 1984

For Further Information Contact:

Helen Hay Whitney Foundation  
Barbara M. Hugonnet  
Administrative Director  
450 East 63rd Street  
New York, NY 10021  
(212) 751-8228

(From 1984 ARIS)

**National Science Foundation  
NSF Visiting Professorships for  
Women 1985**

No. FY84-454

Objectives:

To encourage women to develop more productive careers in the disciplines of science and engineering supported by NSF.

To provide greater visibility and wider opportunities for women scientists and engineers employed in industry, government, and academic institutions.

through the awardees' research, teaching, counseling, and mentoring activities.

Program Description:

Awards are made to enable experienced women scientists and engineers from industry, government, and academia to serve as visiting professors at U.S. academic institutions.

The functions of the visiting professor are to conduct research at the frontiers of her discipline, and to serve as a role model, teacher, counselor, and mentor in the sciences and engineering.

The candidate is responsible for selecting and making all arrangements with the host institution.

Proposals will compete for awards on the basis of 1) the scientific merit of the proposed research, and 2) a specific plan for teaching, mentoring, and counseling activities.

Eligibility:

To be eligible to compete an applicant must:

- Hold a doctorate in a field of research supported by NSF (or have equivalent experience).
- Have independent research experience in the academic, industrial, or public sectors.
- Be currently or recently affiliated with a U.S. institution.
- Not have a salaried position (or the promise of one) with the host institution at the time of application.

Members of minority groups and the physically handicapped are encouraged to submit proposals.

Award Period, Dates:

Awards may range from one term to 24 months full- or part-time, with the usual period being one year.

- |                          |              |
|--------------------------|--------------|
| - Award announcement     | May 15, 1985 |
| - Earliest starting date | July 1, 1985 |
| - Latest starting date   | July 1, 1986 |

Deadline:

November 15, 1984

To provide encouragement for other women to pursue careers in science and engineering

For Further Information Contact:

National Science Foundation  
Visiting Professorships for Women  
Program  
1800 G Street, NW  
Washington, DC 20550

## general

### Amoco Foundation, Inc. Grants

No. FY84-449

Program:

The Foundation makes grants to tax-exempt organizations in the U.S. in the areas of education, civic activities, culture and art, and community service, including health care and medical research. In the area of education, grants are aimed at increasing the quality of science and engineering education at both private and public institutions, responding to the critical needs of tax-supported institutions for modern research and technical equipment, and expanding opportunities for minorities to enter careers in engineering and science.

For Further Information Contact:

Amoco Foundation, Inc.  
200 East Randolph Drive  
Chicago, IL 60601  
(312) 856-6306

(From 1984 ARIS)

### The Joyce Foundation Grants

No. FY84-450

Program:

Grants are made primarily to non-profit organizations with a base or project in the mid-west in the areas of conservation, education, government, health, culture, and economic development. In the area of health, the Foundation strongly prefers preventive rather than curative projects, projects for out-patient care, prevention of teenage pregnancies, and imaginative cost-containment concepts. Applicants will receive more favorable consideration if they show evidence of sound management, including the active participation of their board of directors and constituent support. Applicants are encouraged to submit initially a brief statement of their programs or projects.

For Further Information Contact:

The Joyce Foundation  
135 South LaSalle Street  
Chicago, IL 60603  
(312) 782-2464

(From 1984 ARIS)

### Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation Grants

No. FY84-451

Program:

This general purpose foundation gives in the areas of medical research, community services, education, health services, arts and humanities, and wildlife, veterinary, and animal sciences. Over 50% of all grants are made in the area of medical research. The Foundation directors convene twice annually to consider grant applications. They prefer submission of specific proposals. Proposal guidelines are available from the Foundation.

For Further Information Contact:

Robert J. Kleberg, Jr. and Helen C.  
Kleberg Foundation  
700 N. St. Mary's Street, Suite 1200  
San Antonio, TX 78205

(From 1984 ARIS)

### W. M. Keck Foundation Grants

No. FY84-439

Program:

The W.M. Keck Foundation makes grants for the following purposes: to strengthen studies and programs in educational institutions of higher learning in those areas of the earth sciences devoted to the development of natural resources; engineering; medical research (including educational and other institutions); and, to some extent, other science-related studies of liberal arts. A Statement of Guidelines and Application Procedures can be obtained from the Foundation.

Deadline:

September 15, 1984\*

For Further Information Contact:

W.M. Keck Foundation  
555 South Flower Street  
Suite 4750  
Los Angeles, CA 90071  
(213) 680-3833

\*This deadline is for consideration at the December 1984 meeting of the Board of Direc-

tors; earlier applications are encouraged. All requests for grants received during the months of January, February and March will not be accepted for consideration. During this period, the Foundation and its staff will be developing, on their own initiative, programs to fund which fall within the specific areas of interest of the Foundation.

(From 1984 ARIS)

## **National Science Foundation Presidential Young Investigator Awards**

No. FY84-435

### **Program:**

The NSF has again announced this award program to provide cooperative research support for the nation's most promising young science and engineering faculty. A maximum of 200 new awards for up to 5 years will be made. U.S. institutions granting doctorates in at least one of the fields supported by NSF (particularly, mathematics, physical and biological sciences and engineering) are eligible to participate in the program by nominating candidates for two types of awards:

- Faculty Awards: Scientists and engineers who have received or are about to receive their doctoral degrees may be nominated for these awards by eligible institutions who have appointed or plan to appoint them to tenure track faculty positions.
- Candidate Awards: Graduate students currently nearing their doctoral degrees, postdoctoral students, and other recent doctoral recipients without faculty affiliation may be nominated for these awards tenable at an appropriate eligible institution.

Nominees must be U.S. citizens or permanent residents and, in general, have received their doctorates after January 1, 1980, with the exception of those who received the degree in 1979 or 1978 and have had postdoctoral full-time industrial employment. The award will consist of a minimum of \$25,000 of NSF funds per year plus up to \$37,500 of additional funds per year on a dollar-for-dollar matching basis to contributions from industrial sources, resulting in total possible annual support of up to \$100,000. The nominating institution is responsible for providing full academic year salary for the awardee and arranging for the industrial support. Nominations should originate from the departmental chairperson or an analogous administrative officer. Awards will begin October 1 of the year of receipt.

**Deadline:**  
July 2, 1984

For Further Information Contact:

National Science Foundation  
Presidential Young Investigator Awards  
Attention: Michael M. Frodyma  
Program Director  
Postdoctoral Fellowships  
1800 G Street, NW  
Washington, DC 20550  
(202) 357-7536

(From 1984 ARIS)

## **National Science Foundation Special Research Initiation Awards for New Investigators in Information Science**

No. FY84-436

### **Program:**

This program awards to Principal Investigators who: 1) by the beginning of the award will have earned a Ph.D. in a field related to information science, including the information, computer, cognitive, social and mathematical sciences, linguistics, economics, and engineering; 2) will have held the Ph.D. for no more than five years as of the deadline for submission; 3) are citizens of the United States as of the date of submission of the proposals; and 4) have not previously received an award as principal investigators for research in information science and technology from an agency of the U.S. Government. In the Information Science Program, a special emphasis is placed on investigations of human information processing, including those aspects of learning, memory, problem solving and pattern recognition that are relevant to information processing principles. This latter emphasis includes a broad range of problem areas extending from research on those aspects of information representation which admit some generalization and abstraction from specific biological mechanisms to the human factors of information processing capacity especially in connection with measures and methods of effective performance. The awards will be for one or two years' duration; costs will not exceed one person-year of professional salary plus associated costs and project expenses.

**Deadline:**  
February 1 and August 1, 1985

For Further Information Contact:

National Science Foundation  
Directorate for Biological, Behavioral  
and Social Sciences  
Division of Information Science and  
Technology  
Dr. Edward Weiss  
Room 336  
1800 G Street, NW  
Washington, DC 20550  
(202) 357-9572

(From 1984 ARIS)

## Alfred P. Sloan Foundation Sloan Research Fellowships

No. FY84-446

### Program:

Awards of \$25,000 are made to young Ph.D.'s (under 33 years of age, with exceptions) for two years research work in the fields of mathematics, chemistry, physics, economics, neuroscience, or a related interdisciplinary field. Nominees must be members of the faculty of a U.S. or Canadian college or university; they usually must be below the level of associate professor; and they must be nominated by department chairpersons or other senior scientists. Direct applications are not accepted. The Foundation would like to make it clear that the particular subject of the prospective research project is not as important as its desire to identify young scientists showing outstanding promise of making contributions to new knowledge in their fields.

### Deadline:

September 15, 1984

### For Further Information Contact:

Alfred P. Sloan Foundation  
Fellowships for Basic Research  
630 Fifth Avenue  
New York, NY 10111-0242  
(212) 582-0450

(From 1984 ARIS)

## John Stauffer Charitable Trust Grants

No. FY84-452

### Program:

Grants are made in varying amounts to American hospitals, universities, and colleges for the purposes of acquiring land; erecting buildings or other facilities; acquiring equipment, instruments, books, and furnishings; and providing scholarships, fellowships, and professorships. Preference is given to those organizations which maintain a balanced operating budget.

### For Further Information Contact:

John Stauffer Charitable Trust  
Stanley C. Lagerlof  
Suite 2500 Equitable Plaza  
3435 Wilshire Boulevard  
Los Angeles, CA 90010  
(213) 385-4345

(From 1984 ARIS)

## current publications and other scholarly works

Current publications should be mailed to the  
Division of Research and Sponsored Programs,  
Room 314, Administration Building.

### COLLEGE OF ARTS AND LETTERS

#### American Studies

Schlereth, Thomas J.

T.J. Schlereth. 1984. Contemporary Collecting for Future Recollecting. Museum Studies Journal 1(3):23-30.

#### Economics

Fitzgerald, CSC, Mark J.

W.H. Leahy and M.J. Fitzgerald, CSC. 1984. Editors. Proposals to Invigorate the Economy. Proceedings of the 26th Union-Management Conference. Pages 1-65.

Leahy, William H.

W.H. Leahy and M.J. Fitzgerald, CSC. 1984. Editors. Proposals to Invigorate the Economy. Proceedings of the 26th Union-Management Conference. Pages 1-65.

#### English

Matthias, John E.

J.E. Matthias. 1984. Northern Summer. Anvil Press, London, England. 222 pp.

#### Government and International Studies

Loescher, Gilbert D.

G.D. Loescher and J.A. Scanlan. 1984. U.S. Foreign Policy and Its Impact on Refugee Flow From Haiti. Occasional Papers 42:1-41.

#### Modern and Classical Languages

Olivera-Williams, Maria R.

M.R. Olivera-Williams. 1984. 'Las graciosas y divertidas conversaciones...' de 1823 y 1825: valiosos aportes para el estudio de la poesía gauchesca. Cuadernos Hispanoamericanos 406:108-116.

Welle, John P.

J.P. Welle. 1983. Fellini's Use of Dante, in La Dolce Vita. Studies in Medievalism. 2(3):53-65.

#### Music

Buranskas, Karen L.

W. Cerny and K.L. Buranskas. 1984. Recital. Cello Chamber Series, Little Rock, Arkansas.

Cerny, William

W. Cerny and K.L. Buranskas. 1984. Recital. Cello Chamber Series, Little Rock, Arkansas.



Cramer, Craig J.  
C.J. Cramer. 1984. Solo Recital. First  
Congregational Church, Columbus, Ohio.

#### Philosophy

- McMullin, Ernan  
E. McMullin. 1984. Two Ideals of Explanation in Natural Science. Midwest Studies in Philosophy. University of Minnesota Press, Minneapolis, Minnesota 9:195-210.  
E. McMullin. 1984. Stability and Change in Science: Response to Feyerabend. New Ideas in Psychology 2:9-19.  
E. McMullin. 1984. Review of, How the Laws of Physics Lie. American Journal of Physics 52:474-476.

#### Theology

- Laarman, Edward J.  
E.J. Laarman. 1984. Nuclear Pacifism: 'Just War' Thinking Today. American University Studies, Series VII, Theology and Religion, Volume 4. Nancy: Peter Lang, New York, Berne, Frankfurt on the Main. x + 210 pp.

### COLLEGE OF SCIENCE

#### Biology

- Fraser, Jr., Malcolm J.  
M.J. Fraser, Jr. 1984. The Detection of FP Plaque Variants of Heliothis zea Nuclear Polyhedrosis Virus Grown in the IPLB-HZ 1075 Insect Line. Journal of Invertebrate Pathology 43:427-429.

#### Chemistry

- Kozak, John J.  
\*B.L. Tembe and J.J. Kozak. 1984. Perturbation Theory for Square-well Fluids in  $d=2,3$ . Molecular Physics 51(3):825-834.  
Neta, Pedatsur  
\*J. Grodkowski and P. Neta. 1984. One-Electron Oxidation in Irradiated Carbon Tetrachloride Solutions of ZnTPP, TMPD and Phenols. Journal of Physical Chemistry 88:1205-1209.  
Schuler, Robert H.  
\*J.A. LaVerne and R.H. Schuler. 1984. Track Effects in Radiation Chemistry: Core Processes in Heavy-Particle Tracks as Manifest by the  $H_2$  Yield in Benzene Radiolysis. Journal of Physical Chemistry 88:1200-1205.

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\*Under the Radiation Laboratory  
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#### Physics

- Bose, Samir K.  
S.K. Bose and W.D. McGlinn. 1984. Remarks on Maximally Embedded Self-Dual Monopoles. Physical Review D 29(8):1819.

McGlinn, William D.  
S.K. Bose and W.D. McGlinn. 1984. Remarks on Maximally Embedded Self-Dual Monopoles. Physical Review D 29(8):1819.

Ruggiero, Steven J.  
S.J. Ruggiero. 1984. Tunneling in Ta Surface Layers on Nb. Bulletin of the American Physical Society 29:407.

### COLLEGE OF ENGINEERING

#### Aerospace and Mechanical Engineering

Huang, Nai-Chien  
N.C. Huang and P.D. Pattillo. 1984. The Effect of Length: Diameter Ratio on Collapse of Casing. Journal of Pressure Vessel Technology 106:160-165.

Lucey, John W.  
T. Wilkinson, J.W. Lucey, A.E. Miller and J. Lawler. 1984. Application of Interactive Videodiscs Utilizing Touch Sensitive Screens to an Introductory Engineering Course. Proceedings of Illinois/Indiana Section, TSU, ASEE. Pages 8-16.

#### Metallurgical Engineering and Materials Science

Miller, Albert E.  
T. Wilkinson, J.W. Lucey, A.E. Miller and J. Lawler. 1984. Application of Interactive Videodiscs Utilizing Touch Sensitive Screens to an Introductory Engineering Course. Proceedings of Illinois/Indiana Section, TSU, ASEE. Pages 8-16.

### COLLEGE OF BUSINESS ADMINISTRATION

#### Accountancy

Morris, Michael H.  
M.H. Morris and W.D. Nichols. 1984. Pension Accounting and the Balance Sheet: The Potential Effects of the FASB's Preliminary Views. Journal of Accounting, Auditing and Finance 7(4):293-305.  
Nichols, William D.  
M.H. Morris and W.D. Nichols. 1984. Pension Accounting and the Balance Sheet: The Potential Effects of the FASB's Preliminary Views. Journal of Accounting, Auditing and Finance 7(4):293-305.

### LAW SCHOOL

Fick, Barbara J.  
B.J. Fick. 1984. An Analysis of Brown v. Hotel and Restaurant Employees Union Local 54. Preview of United States Supreme Court Cases 25:439-441.  
B.J. Fick. 1984. An Analysis of Westinghouse Electric Corp v. Vaughn. Preview of United States Supreme Court Cases 29:495-496.

Scanlan, John A.

G.D. Loescher and J.A. Scanlan. 1984.  
U.S. Foreign Policy and Its Impact on  
Refugee Flow From Haiti. Occasional  
Papers 42:1-41.

#### RADIATION LABORATORY

Das, Paritosh K.

T. Wisniewski-Knittel, P.K. Das and  
E. Fischer. 1984. Rotamerism in  
(2-Anthryl)ethylenes. Evidence from  
Fluorescence Lifetimes and Quenching  
Studies. Journal of Physical Chemistry  
88:1163-1168.

T. Wisniewski-Knittel and P.K. Das. 1984.  
Laser Flash Photolysis Study of  
(2-Anthryl)ethylenes. Triplet-Related  
Photophysical Behaviors. Journal of  
Physical Chemistry 88:1168-1173.

S. Baral-Tosh, S.K. Chattopadhyay and P.K.  
Das. 1984. A Laser Flash Photolysis  
Study of Paraquat Reduction by Photo-  
generated Aromatic Ketyl Radicals and  
Carbonyl Triplets. Journal of Physical  
Chemistry 88:1404-1408.

C.V. Kumar, S.K. Chattopadhyay and P.K.  
Das. 1984. Short-Lived Olefin Triplets  
and Energy Transfer from Them to  $\beta$ -Caro-  
tene. Chemical Physics Letters 106(5):  
431-436.

P.K. Das and R.S. Becker. 1984. Twenty-  
two Carbon Homologue of 11-CIS Retinal.  
Photophysical and Photochemical Properties.  
Photochemistry and Photobiology 39(3):  
313-318.

LaVerne, Jay A.

J.A. LaVerne and R.H. Schuler. 1984.  
Track Effects in Radiation Chemistry:  
Core Processes in Heavy-Particle Tracks  
as Manifest by the  $H_2$  Yield in Benzene  
Radiolysis. Journal of Physical Chemistry  
88:1200-1205.

## awards received

IN THE MONTH OF MAY, 1984

Department or Office	Principal	Short title	Sponsor	Dollars Months
AWARDS FOR RESEARCH				
Mathematics	Wong	Alfred P. Sloan Foundation	A.P. Sloan Fdn.	25,000 12
Psychology	Anderson, Crowell	Behavior Management in a Print-Label Company	Fleming Packaging Corp.	7,854 12
Chemical Eng.	Wolf	Catalytic Liquefaction of Coal with Supercritical Solvents	Electric Power Res. Inst.	30,000 8
Aerospace Mech. Eng.	Kamman	Multibody Systems Having Closed Loops and Specified Motions	Natl. Sci. Fdn.	51,905 24
Physics	Arnold	Inhomogeneous Superconductors and the Proximity Effect	Natl. Sci. Fdn.	15,000 12
Mathematics	Pillay	Topics in Model Theory	Natl. Sci. Fdn.	27,300 24
Philosophy	Freddoso	Molina on Foreknowledge: Part IV of the Concordia	Natl. Endow. Humanities	15,000 6
Chemistry	Miller	Synthesis of $\beta$ -Lactams from Hydroxamic Acids	Natl. Inst. Health	63,107 12
Psychology	Kline	Visual Aging: Models and Methods	Fight for Sight, Inc.	3,190 12
History	Hatch	Work of Jonathan Edwards	Lilly Endow., Inc.	5,000 13
Inst. Past. Soc. Min.	Gremillion	Institute for Pastoral and Social Ministry	---	34 --
Biology	Craig	St. Jos. Cty. Mosquito Control	St. Jos. Cty. Dept. Health	30,000 8
AWARDS FOR OTHER PROGRAMS				
Earth Sciences	Murphy	Attract More Minority Students to Major in Geology	Conoco Inc.	5,000 6wks

Department or Office	Principal	Short title	Sponsor	Dollars Months
Kellogg Inst. Intl. Studies	O'Donnell	Conference on Economic Development and Democracy	Ford Fdn.	15,000 12
School Architecture	Bellalta	Architectural Alterations and Additions to a Church	Hilltop Luth. Church	1,472 2
Earth Science	Murphy	Attract More Minority Students to Major in Geology	Mobil Oil Corp.	5,000 6wks
Mathematics	Stanton	Eigenvalues of Complex Laplacians	Natl. Sci. Fdn.	34,200 24
Aerospace Mech. Eng.	Nee, Yang, Szewczyk	Buoyancy Effects in Turbulent Wake Flows	Natl. Sci. Fdn.	80,000 12
Physics	Dow	Superlattices	Dept. Navy	147,000 12
Electrical Eng.	Kwong	Simultaneous Formation of Polycide Interconnect	Natl. Sci. Fdn.	48,000 24
Metallurgical Eng.	Miller	Development of Interactive Videodisc Techniques	Intl. Bus. Machines	35,000 10

#### AWARDS FOR FACILITIES AND EQUIPMENT

Chemical Eng.	Wolf	Transient MS-FTIR Studies of Catalytic Reaction	Natl. Sci. Fdn.	36,225 12
Chemical Eng.	Varma	Mass Spectrometer for Catalytic Reaction Engineering Research	Natl. Sci. Fdn.	24,250 12
University Libraries	Sereiko	Upgrading of Memorial Library's Audio Learning Center	Jessie Ball duPont Fund	25,000 --

#### AWARDS FOR INSTRUCTIONAL PROGRAMS

Inst. Urban Studies	Broden, King	Upward Bound	Dept. Education	187,383 12
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#### AWARDS FOR SERVICE PROGRAMS

Inst. Past. Soc. Min.	Pelton	Notre Dame Institute for Clergy Education	---	1,446 --
Inst. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy	---	2,668 --
Inst. Past. Soc. Min.	Melloh	Notre Dame Center for Pastoral Liturgy-Publications	---	383 --
Civil	Ketchum	Energy Recovery from Agricultural Residues	Agency Intl. Devel.	125,641 18
Chemical Eng.	Strieder	Transport in Porous Media	Natl. Sci. Fdn.	167,735 24
Physics	Lundeen	4S-4F Interval in Hydrogen	Natl. Bur. Standards	31,579 12
Sociology	Hallinan	Determinants of Students' Interracial Friendliness	Natl. Inst. Health	104,704 12
Chemical Eng.	Ivory	Continuous Flow Electrophoresis Device with Solute Recycle	Natl. Sci. Fdn.	146,178 24
Physics	Johnson	Relativistic Random-Phase Approximation	Natl. Sci. Fdn.	79,973 12
Biology	Diffley	Roles of Trypanosomal Surface Coat-Variant Antigen	Natl. Inst. Health	69,275 12
Radiation Lab.	Schuler, Ross	Data Base for Radical Processes in Aqueous Solution	Environ. Prot. Agency	284,329 36

# proposals submitted

Department or Office	Principal	Short title	Sponsor	Dollars Months
PROPOSALS FOR RESEARCH				
Electrical Eng.	Sain	On Zero Modules for Non-Minimal and Interconnected Systems	Dept. Air Force	76,364 12
Biology	Hawley, Craig	<u>Aedes triseriatus</u> : Transovarian Transmission	Natl. Inst. Health	-- 24
Chemical Eng.	Varma, McCready	Dreyfus Grant for Newly Appointed Faculty	C. & H. Dreyfus Fdn., Inc.	25,000 12
Chemistry	Miller	B-Lactams and other Natural Products	Natl. Inst. Health	80,033 12
Chemistry	Miller	Synthesis of Ferrichrome and Related Iron Chelators	Natl. Inst. Health	83,539 12
Electrical Eng.	Herro	Coding for Non-Uniform Channels	Natl. Sci. Fdn.	128,295 24
Chemical Eng.	Varma	Optimal Catalyst Pellet Design	Natl. Sci. Fdn.	66,316 12
Chemistry	Basu	Glycolipid Metabolism in Normal and Pathological Tissues	Natl. Inst. Health	160,550 12
Aerospace Mech. Eng.	Mueller, Ng	Transonic Bioconvex Airfoil Experiments	Dept. Navy	30,000 7
Graduate School	Le	MARC Predoctoral Fellowships	Natl. Inst. Health	9,292 12
Metallurgical Eng.	Sargent, Miller	Enhancement of Interfacial Bond Strength	ARCO Metals Co.	20,000 12
Electrical Eng.	Liu, Huang	Analog Fault Diagnosis	Dept. Navy	50,000 12
Microbiology	Kulpa, Lappin	Energy Metabolism of <u>Thiobacillus ferrooxidans</u>	Natl. Sci. Fdn.	214,097 24
College Eng.	Zeller, Ricker	Surface Studies for Enhanced Corrosion Resistance	Standard Oil Co. Ohio	60,000 12
PROPOSALS FOR FACILITIES AND EQUIPMENT				
Physics	Kolata	Addition to the Computer System of the Nuclear Structure Laboratory	Natl. Sci. Fdn.	24,000 12
PROPOSALS FOR INSTRUCTIONAL PROGRAMS				
Medieval Inst.	McInerny	Aquinas/Platonism	Natl. Endow. Humanities	261,813 14

## summary of awards received and proposals submitted

IN THE MONTH OF MAY, 1984

### AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	5	200,161	10	387,395	15	587,556
Facilities and Equipment	0	0	3	85,475	3	85,475
Instructional Programs	1	187,383	0	0	1	187,383
Service Programs	1	30,000	4	4,531	5	34,531
Other Programs	2	10,000	2	16,472	4	26,472
Total	9	427,544	19	493,873	28	921,417

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	707,438	14	1,305,463	22	2,012,900
Facilities and Equipment	1	24,000	0	0	1	24,000
Instructional Programs	0	0	1	261,813	1	261,813
Service Programs	0	0	0	0	0	0
Other Programs	0	0	0	0	0	0
Total	9	731,438	15	1,567,275	24	2,298,713

## closing dates for selected sponsored programs

Proposals must be submitted to the Office of Research and Sponsored Programs seven calendar days prior to the deadline dates listed below.

Information Circular Number	Agency	Programs	Application Closing Dates
SOCIAL SCIENCES			
FY84-434	National Institutes of Health	RFA-Multidisciplinary Research Center(s) for the Study of the Neurological Basis of Disorders of Language, Behavior and Learning During Infancy and Early Childhood	October 1, 1984
SCIENCE			
FY84-445	Damon Runyon-Walter Winchell Cancer Fund	Postdoctoral Research Fellowships for Basic Scientists	August 15, 1984
FY84-438	The Johns Hopkins Center for Alternatives to Animal Testing	Research Proposals	July 25, 1984
FY84-453	National Science Foundation	NSF Visiting Professorships for Women 1985	November 15, 1984
FY84-433	National Aeronautics and Space Administration	Space Biology Program	August 1, 1984
FY84-437	National Science Foundation	U.S.-Austria Cooperative Science Program	September 15, 1984
FY84-441	North Atlantic Treaty Organization	Advanced Study Institutes Programme	September 15, 1984
FY84-440	North Atlantic Treaty Organization	Collaborative Research Grants	August 15, 1984
FY84-442	North Atlantic Treaty Organization	NATO Advanced Research Workshops	September 15, 1984
FY84-447	Whitehall Foundation, Inc.	Grants in Basic Biological Research	August 1, 1984
FY84-448	Helen Hay Whitney Foundation	Postdoctoral Research Fellowships in Biomedical Sciences	August 15, 1984
ENGINEERING			
FY84-454	National Science Foundation	NSF Visiting Professorships for Women 1985	November 15, 1984
GENERAL			
FY84-439	W.M. Keck Foundation	Grants	September 15, 1984
FY84-435	National Science Foundation	Presidential Young Investigator Awards	July 2, 1984
FY84-436	National Science Foundation	Special Research Initiation Awards for New Investigators in Information Science	August 1, 1984
FY84-446	Alfred P. Sloan Foundation	Sloan Research Fellowships	September 15, 1984

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## **notre dame report**

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