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Hanks Underwrite Construction of Science and Medical Education Building

Bernard J. "Jerry" Hank Jr., Notre Dame alumnus and trustee and chief executive officer of Montgomery Elevator Company, and Joyce McMahon Hank have given \$5 million to the University to underwrite construction of a new science and medical education facility on campus.

Hank Hall of Environmental and Health Sciences will house next-generation nuclear magnetic resonance technology, aquatic research facilities, and the expanded South Bend Center for Medical Education, a regional branch of the Indiana University School of Medicine. Additional funding for the facility will come from the I.U. School of Medicine's current capital campaign.

Among the innovative programs offered through the medical education center is a joint M.D./Ph.D. curriculum for students interested in academic medicine. Believed to be the only private-public university partnership of its kind, the program enables students to earn both a medical degree from I.U. School of Medicine and a doctorate in Notre Dame's College of Science.

Born in Chicago, Hank was graduated from Notre Dame in 1951 with a bachelor's degree in commerce. Following three years in the Navy, he studied engineering at Illinois Institute of Technology and began his lifelong business career with Montgomery Elevator Company, headquartered in Moline, Ill. A former member of the advisory council for the College of Engineering, he was elected a trustee in 1984 and also is a fellow of the University. He holds honorary degrees from Notre Dame and St. Ambrose University.

Jerry and Joyce Hank's many previous gifts to the University (some with corporate support) include chairs in engineering, arts and letters, and business. They also continue to support the Jerry Hank Family Program in Environmental Studies at the Notre Dame Environmental Research Center, a 7000-plus-acre tract located astride the Wisconsin-Michigan border.

Rapagnani Appointed Assistant Provost for Information Technologies

Larry Rapagnani, formerly associate vice president for computing and information technology at the University of Arizona, has been appointed assistant provost for information technologies at Notre Dame.

Rapagnani is heading the Office of University Computing and is providing leadership, coordination and planning of the technology infrastructure for the University's information resources and services.

Rapagnani served on active duty in the Air Force from 1967 to 1977. His tour of duty included several years at Lawrence Livermore Laboratory and at the Air Force Weapons Laboratory at Kirtland Air Force Base, where he was involved in research programs for the theoretical analysis of flowing and pulsed chemical laser systems. On leaving active duty, he became chief of the Computational Fluids Group at the Air Force Weapons Laboratory.

In 1982-83 he was a research associate at the von Karman Institute for Fluid Dynamics in Belgium. He has authored a number of presentations, journal articles and technical reports related to his research.

Rapagnani holds a bachelor's degree from the University of Kansas and a master's degree from the University of Missouri, both in mechanical engineering, and a doctorate in applied sciences from the Universite Libre de Bruxelles in Belgium.

FACULTY NOTES

Honors

Thomas P. Bergin, director emeritus of continuing education and professor emeritus of management, was honored with a Certificate of Recognition — Special Honor by the National University Continuing Education Association at its national convention in California.

Robert C. Johansen, professor of government and international studies and senior fellow in the Kroc Institute, was elected during meetings paralleling the U.S. Social Summit in Copenhagen to be the North American representative on the board of directors of EarthAction, a transnational coalition of more than 1000 partner social change organizations from 127 countries, working to address problems of war, environmental deterioration and human development.

Michael N. Lykoudis, assistant chairperson and associate professor of architecture, received a grant award for "The Art of Building Cities" by the Samuel Kress Foundation in New York, N.Y.

Scott Mainwaring, professor of government and international studies, has been appointed a fellow of the Woodrow Wilson International Center for Scholars. As part of the Wilson Center's residential fellowship program, he will make a comparative study of Brazilian politics and democratization. He is one of just 31 fellows selected from a pool of 831 applicants from 86 countries.

Nicos Makris, assistant professor of civil engineering and geological sciences, has become a member of the Committee on Structural Control, Structural Division, of the American Society of Civil Engineers.

George Marsden, McAnaney professor of history, has received a 1995 fellowship from the John Simon Guggenheim Memorial Foundation. He is one of 152 Guggenheim fellows selected from a pool of more than 2800 applicants. The fellowships are based on unusually distinguished past scholarly achievement and exceptional promise for future accomplishments.

Guillermo O'Donnell, academic director of the Kellogg Institute and Kellogg professor of government and international studies, has been appointed a fellow of the American Academy of Arts and Sciences.

Leah Rutchick, assistant professor of art, art history and design, received an American Council of Learned Societies Fellowship for the 1995-96 academic year. She received a National Endowment for the Humanities summer stipend for 1995.

John W. Stamper, associate professor of architecture and director of the Rome Studies Program, received a Kress Travel Grant for European scholars to attend the annual meeting of the Society of Architectural Historians in Seattle, Wash., April 6.

James I. Taylor, associate dean of engineering and professor of civil engineering and geological sciences, was elected to the board of regents of Eno Transportation Foundation to govern the Center for Transportation Leadership Development.

Rafael A. Tenorio, assistant professor of finance and business economics, received a grant from the Lilly Endowment, Inc., to prepare the new course "Game Theory in Business and Economics."

Activities

Scott Appleby, associate professor of history and director of the Cushwa Center, delivered the 1995 Rockwell Lectures on the topic "Explaining Fundamentalisms: Perils and Possibilities for Educators and Policymakers" at Rice University in Houston, Tex., March 19-21. He gave a Hesburgh lecture titled "Lapsed Catholics: Causes and Cures" in Springfield, Ill., March 28.

Esmée Cromie Bellalta, associate professor of architecture, directed a design project, begun in collaboration with sophomore architects and finalized with three fifth-year students, for a vest-pocket park in the Rum Village neighborhood in South Bend, Ind. This project has been a joint community venture between faculty, students and neighborhood residents.

Paul F. Bradshaw, professor of theology, gave the lecture "The Liturgical Consequences of *Apostolicae Curae* for Anglican Ordination Rites" at a conference on "*Apostolicae Curae* and the Future of Anglican-Roman Catholic Relations" at the General Theological Seminary in New York, N.Y., April 21.

Francis J. Castellino, dean of science and Kleiderer-Pezold professor of biochemistry, presented a seminar titled "Structure-function Relationships of the Human Anticoagulant Proteins, Protein C and Activated Protein C" at the Division of Structural Biology at the Walt Disney Memorial Cancer Institute at Florida Hospital in Orlando, Fla., April 24.

FACULTY NOTES

Steven D. Crain, adjunct assistant professor in the arts and letters core program and in the Program of Liberal Studies, presented the paper "Einstein, Augustine, Polanyi: Healing as Metaphor for a Post-Foundationalist Epistemology" at the Midwest regional meeting of the American Academy of Religion in Chicago, Ill., April 1. He delivered the paper "Who is the God Who is Hidden?" at the Midwest regional meeting of the Society of Christian Philosophers in St. Paul, Minn., April 8. He presented the paper titled "Divine Action in a World of Chaos: Natural Theology and the New Physics" at the Eastern regional meeting of the Society of Christian Philosophers in Memphis, Tenn., April 22.

Fabio B. Dasilva, professor of sociology, organized and chaired two research sessions titled "Fin-de-siecle Revisited" and presented the leading paper under the same title at the annual meeting of the North Central Sociological Association held in Pittsburgh, Pa., April 20-23.

Julia Douthwaite, assistant professor of Romance language and literatures, presented an invited lecture titled "Private Life in the Public Eye: Rousseau's Autobiography and Eighteenth-Century Painting" at the Life Studies Conference sponsored by the UCLA Center for 17th- and 18th-Century Studies and the William Andrews Clark Memorial Library at the Clark Library in Los Angeles, Calif., April 22.

Philip Gleason, professor of history, presented a paper on the 75th anniversary of the American Catholic Historical Association and commented at a session on "Education and the Congregation of Holy Cross in America" at the annual meeting of the American Catholic Historical Association in Chicago, Ill., Jan. 5-8. He chaired the session on "Issues in American Catholic Education" at the spring meeting of the American Catholic Historical Association in Marquette University in Milwaukee, Wis., April 8.

Frederick W. Goetz, professor of biological sciences, presented the distinguished alumni lecture titled "Isolation and Characterization of an Ovulation Specific Message in the Brook Trout Ovary" at the University of Wyoming in Laramie, Wyo., April 19-21.

Kimberly A. Gray, assistant professor of civil engineering and geological sciences, gave the invited seminar titled "Use of Ionizing Radiation to Decontaminate Soils" to the Department of Civil Engineering at the University of Texas in Austin, Tex., April 19.

Eugene W. Halton, professor of sociology, gave the invited lecture "Beyond the Ghost in the Machine" at the symposium on Cultural Psychology at the University of Bern in Bern, Switzerland, Jan. 24-27.

Thomas Jemielity, professor of English, delivered a paper "Sir Richard Blackmore: 'Judge of All Present, Past, and Future Wit'?" at the annual meeting of the Johnson Society of the Central Region at the University of Wisconsin in Madison, Wis., April 21.

Robert C. Johansen, professor of government and international studies and senior fellow in the Kroc Institute, served as a panelist on "The Coming Global Civilization: Challenges to Security and Democracy" at the international meeting of the World Order Models Project in Malta, Oct. 30. He presented the paper "Enhancing United Nations Peacekeeping" at the International Peace Research Association in Malta, Oct. 31. He served as a consultant for the Church of the Brethren National Consultation on Ethics and United Nations Peacekeeping at the Brethren Service Center in New Windsor, Md., during December. He was a discussant for lectures by Stanley Hoffman on "Problems of Humanitarian Intervention" at the annual Theodore Hesburgh Lectures in Ethics and Public Policy at the University of Notre Dame, Notre Dame, Ind., Jan. 25. Johansen was panel chair on "Security Council Role Reconsidered" and presented the paper "Reconciling National Interests and International Interests in the Evolution of U.N. Peacekeeping: From Supervising Cease-Fires to Building Peace" at the International Studies Association in Chicago, Ill., Feb. 22. He was a discussant on "Inequity as a Contributing Source of Ethnic Conflict" at the United Nations Social Summit in Copenhagen, March 8-13. He gave the keynote speech "Reforming the United Nations to Eliminate War" at the conference on "The U.N. at 50: Preferred Futures for the United Nations" at the University of Iowa in Iowa City, Iowa, April 13.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor of theology, presented the Badin Hall "fireside chat" titled "Women in the Church" at the University of Notre Dame, Notre Dame, Ind., April 6. He presented "Barriers to Equality in the Church for Women" at Women and the Church . . . an educational forum at the Church of the Epiphany in Louisville, Ky., April 21. He lectured on "The Strengths and Weaknesses of the Current Papacy" at St. Edward's Hall, University of Notre Dame, Notre Dame, Ind., March 29. He presented the Lenten lecture "Spirituality for the 21st Century" at St. John Vianney Church in Bettendorf, Iowa, April 2.

Kevin M. Misiewicz, assistant chairperson and associate professor of accountancy, gave the presentation "Assessing Learning in a Professional Program — Accountancy" at the sixth national conference on College Teaching and Learning in Jacksonville, Fla., April 8.

FACULTY NOTES

Peter R. Moody Jr., director of the Asian Studies Program and professor of government and international studies, presented the paper "The Politics of Presidentialism on Taiwan" at a conference titled Taiwan in Asia at the University of Illinois in Champaign, Ill., March 31-April 1.

Samuel Paolucci, associate professor of aerospace and mechanical engineering, delivered an invited seminar titled "Non-Boussinesq Effects on the Stability and Transition of Natural Convection Flows" in the Department of Theoretical and Applied Mechanics at the University of Illinois at Urbana-Champaign in Urbana, Ill., April 20.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, presented an invited talk titled "Future Research Directions in High Speed Gas and Gas/Solid Combustion" to Eglin AFB in Okaloosa Island, Fla., April 17.

Terrence W. Rettig, professional specialist and concurrent associate professor of physics, presented an invited lecture "Deep Comae Imaging of Comet Shoemaker-Levy 9 Using the Hubble Space Telescope — Implications for the Nuclear Structure" at the 20th General Assembly of the European Geophysical Society Meeting in Hamburg, Germany, April 3.

Charles M. Rosenberg, associate professor of art, art history and design, chaired a session on "Michelangelo-Meanings" at the 1995 annual meeting of the Renaissance Society of America in New York, N.Y., April 1. He delivered a paper titled "What's in a Name? Patterns of Este Art Patronage in the Fifteenth and Sixteenth Centuries at the conference titled Ferrara: Cultural Change from Boiardo to Tasso held at the Newberry Library Center for Renaissance Studies in Chicago, Ill., April 28.

Robert Schmuhl, chairperson and associate professor of American studies, delivered an invited lecture "The Rhetorical Presidency in an Age of Hyperdemocracy and Hypercommunications" to the Brigrance Forum at Wabash College in Crawfordsville, Ind., April 19.

James H. Seckinger, professor of law, served as programme director and a faculty member for the NITA Train the Trainers Programme for Lovell White Durrant and Central Law Training in London, England, Jan. 9-10. He gave a presentation to the faculty on using the NITA Method of Learning-by-Doing Skills Training for teaching the teachers and a lecture to participants and faculty on Effective Teaching Techniques. He was program director and a faculty member for the NITA/Allen & Overy Trial Advocacy Programme in London, England, Feb. 12-18. He conducted a workshop for the faculty on Effective Teaching Techniques and gave a series of lectures to the students and the faculty on Trial Advocacy Techniques.

He served as program director and faculty member for the NITA/White & Case Deposition Program in New York, N.Y., March 2-4. He conducted a workshop for the faculty on Effective Teaching Techniques and gave a series of lectures to the students and the faculty on Deposition Techniques. Seckinger was program director and a faculty member for the NITA/Skadden Arps Deposition Program in New York, N.Y., March 16-17. He conducted a workshop for the faculty on Effective Teaching Techniques and gave a series of lectures to the students and the faculty on Deposition Techniques. He was a faculty member for the NITA Teacher Training Program at Harvard Law School in Cambridge, Mass., March 24-26. He gave a presentation to the faculty on using the NITA Method of Learning-by-Doing Skills Training for teaching the teachers and gave a lecture to the participants and faculty on Effective Teaching Techniques. He served as program director and a faculty member for the NITA/Pennie & Edmonds Deposition Program in New York, N.Y., March 31-April 2. He conducted a workshop for the faculty on Effective Teaching Techniques and gave a series of lectures to the students and the faculty on Deposition Techniques.

Susan Guise Sheridan, assistant professor of anthropology, presented "Fluoride Analysis of an Ancient Hohokam Population from Pueblo Grande: Pre- and Post-Mortem Patterns" with Julie Sansoni and Dennis P. Van Gerven at the 64th annual meetings of the American Association of Physical Anthropologists in Oakland, Calif., March 31.

Ajit Singh, visiting Scholl professor of economics, presented a seminar "How East Asia Grew So Fast? Slow Progress Towards An Analytical Consensus" at the India International Centre in New Delhi, India, Jan. 8. He presented the paper "The Global Employment Challenge: A Social Summit Priority" at the international seminar on Economic Restructuring and Social Policy held at the United Nations in New York, N.Y., Jan. 11-13. He presented the paper "Institutional Requirements for Full Employment in Advanced Countries," to the Department of Economics at the University of Notre Dame, Notre Dame, Ind., March 29. Singh presented the papers "Curing Mass Employment in the Industrialized Countries: An Institutional and Historical Analysis" and "Why Did East Asia Grow So Fast? Glacial Progress Towards An Intellectual Conceptualization" at two seminars at Cornell University in Ithaca, N.Y., April 13-14. He presented the paper "How East Asia Grew So Fast: Slow Progress Towards An Intellectual Consensus" to the Kellogg Institute at the University of Notre Dame, Notre Dame, Ind., April 20.

Robert M. Slabey, associate professor of English, presented a paper "Casualties of American Wars — From the Civil War to Vietnam" at the national convention of the Popular Culture Association/American Culture Association in Philadelphia, Pa., April 14.

FACULTY NOTES

Billie F. Spencer Jr., associate professor of civil engineering and geological sciences, gave an invited lecture titled "Acceleration Feedback Control Strategies for Seismic Protection of MDOF Structures" and was part of the Colloquia on Modern Topics in Mechanics sponsored by the Council on Theoretical and Applied Mechanics in Collaboration with the Departments of Civil and Mechanical Engineering at the Robert R. McCormick School of Engineering and Applied Science at Northwestern University in Evanston, Ill., April 14.

John W. Stamper, associate professor of architecture and director of the Rome Studies Program, delivered a paper titled "Hadrian and the Framing of Architectural Views: Urban Evidence for the New Attribution of the Arch of Constantine" at the annual meeting of the Society of Architectural Historians in Seattle, Wash., April 6.

Duncan G. Stroik, assistant professor of architecture, was the coorganizer with **Thomas Gordon Smith**, chairperson and professor of architecture, of an exhibition of new sacred architecture by Notre Dame students titled "De Architectura: Ever Ancient, Ever New" held in the St Joseph Center of the Franciscan University of Steubenville in Steubenville, Ohio, Feb. 15-March 10. Stroik's design "Villa Indiana" was featured in an article on the Classical movement at the University of Notre Dame in the *New York Times*, Feb. 9, the *Sacramento Bee*, Feb. 19, and the *South Bend Tribune*, March 26. Stroik delivered a paper titled "Virilis Corpus: The Renaissance Rediscovery of the Doric" and was the moderator for the morning session on Architectural History at a conference of the International Society for the Classical Tradition held at Boston University in Boston, Mass., March 10.

Rafael Tenorio, assistant professor of finance and business economics, presented the invited lecture "Strategic Behavior in Two-sided Foreign Exchange Auctions" at the Krannert School of Management at Purdue University in West Lafayette, Ind., March 17, and at the Stern School of Business at New York University in New York, N.Y., March 21.

Eugene Ulrich, professor of theology, presented a lecture titled "A Gift from Qumran: Sharper Focus on the Scriptures at the Time of Christ and Hillel" as the featured speaker at a conference on the Dead Sea Scrolls at the Jerusalem Center for Near Eastern Studies of Brigham Young University in Jerusalem, April 30.

Chris R. Vanden Bossche, associate professor of English, chaired a session on "Consumer Culture in the Nineteenth Century" at the annual meeting of the Interdisciplinary Nineteenth-Century Studies at the University of California in Santa Cruz, Calif., April 6-8.

Arvind Varma, Schmitt professor of chemical engineering, presented an invited graduate seminar titled "Combustion Synthesis of Advanced Materials" at the School of Ceramic Engineering and Sciences at Alfred University in Alfred, N.Y., April 20.

Kwang-tzu Yang, Hank professor of aerospace and mechanical engineering, presented an invited seminar "Fluid Mechanics and Heat Transfer in Zero-Mean Oscillatory Flows-Application to Microelectronic Cooling" at the Department of Mechanical and Materials Engineering at Washington State University in Pullman, Wash., April 17.

Samir Younés, assistant professor of architecture, donated his design proposal for Washington, D.C., to the Geography and Map Division of the Library of Congress at a symposium in Washington, D.C., March 31. The donation was part of a larger collection of projects for Washington, spanning over 10 years titled "Visions of Washington" which was organized by Professor Iris Miller of the Catholic University of America.

ADMINISTRATORS' NOTES

Appointments

Glenn J. Rosswurm has been named assistant director of planned giving. A 1987 graduate of Indiana University, he received his juris doctor degree from the Notre Dame Law School in 1991. As a law student, he was book review editor of *Notre Dame Law Review* and received the William T. Kirby award for excellence in memorandum writing in 1988. Following graduation, Rosswurm was a trial section associate with May, Oberfell & Lorber in South Bend, Ind. In 1993, he opened his own law firm specializing in state and federal mediation.

Honors

Adele M. Lanan, assistant director/media in the Student Activities Office, was elected executive director for the Indiana Collegiate Press Association.

Activities

Shiree S. Moreland, assistant director for information services, Office of University Computing, presented "The Paperless Office" at the Logan Center staff luncheon in South Bend, Ind., April 25. Members of the Logan Center staff were shown examples of how the internet can provide them with access to useful information via the World Wide Web.

Publications

Alan S. Bigger, director of building services, wrote "Chemical Dispensing Systems: The Dilution Solution" published in the April 1995 issue of *Maintenance Solutions*. He wrote three articles which were published in the May 1995 issue of *Executive Housekeeping Today* titled "Ethics in the Workplace: Staying Clean While Keeping Clean," "Honesty + Integrity = Ethical Behavior" and "Glug, Glug, Splash, Splash."

Faculty Senate Journal April 5, 1995

The chair, Professor Richard McBrien, called the meeting to order at 7:10 p.m. in room 202 of the Center for Continuing Education. The vice chair, Professor Sonja Jordan, offered a prayer, and the senate voted to approve the March journal with corrections. The meeting then moved to room 126 of DeBartolo Hall because of an electrical power outage in the Center for Continuing Education.

The chair's report was next on the agenda when the senate resumed its meeting in DeBartolo. It is printed as appendix A of this journal; appendix B is a letter from the University's president regarding the senate's response to his remarks at the senate's October meeting. The chair called attention to point #2: the Academic Council's action of April 4 was significant, and was the direct result of a senate resolution expressing the feeling of the faculty. There will never be another vice presidential appointment in the provost's office without antecedent consultation with a body containing elected faculty. Further, the chair applauded the president and the council for making this change and the president for pledging to support it before the trustees. He congratulated the senate for its effectiveness and persistence. Appendix C of this journal contains the revised Article II of the Academic Articles as approved by the Academic Council, and which will be presented to the trustees.

Professor Mario Borelli found one disturbing note in the chair's report. On item #3, how will the senate's resolution on intercollegiate athletics be addressed? The chair replied that it will get discrete attention from the council, along with the Faculty Board in Control of Athletics' own report. Because the senate has waited so long for attention to its resolution, the chair will insist on a special meeting if needed; the council could discuss it and hold off action until September. Borelli believed too that the senate resolution should be discussed independently of the faculty board's report.

Next on the agenda was a resolution on procedures the senate might adopt in regard to the renewal of deans. Since the executive committee was presenting this motion, no second was needed. The senate secretary, Peter Lombardo, reported the resolution to the senate. It called upon the senate to "take as one of its regular responsibilities the conducting of surveys of the Colleges and the Law School when the respective dean is up for review." It had stemmed from the discussion at the March meeting over the conducting of a survey of the engineering faculty. The motion would direct the Administration Committee to formulate the precise nature of the survey, which the chair believed would be presented to the sen-

ate before it was sent out. Jordan asked if the resolution applied to the reappointment of center and institute directors. Lombardo replied that the resolution specified "deans" and not directors. Jordan asked if as a friendly amendment directors might be included. Borelli supported that idea but cautioned that the directors so included should be named. Professor Patrick Sullivan, C.S.C., believed that no amendment was needed; he would simply ask the committee to take this idea under consideration.

Professor Gregory Hartland asked if surveys weren't already done, and if so, how would a senate survey be different? In response, Professor Richard Sheehan agreed, but noted that results were not generally available, and if they were, they were not always reported accurately or in a timely manner. Perhaps this kind of survey would replicate others that were done, but this was part of the senate's thrust toward greater accountability. Professor David Ruccio thought the relevant directors ought to be included in these senate surveys and the senate ought to consider how to disseminate the results. The chair asked the parliamentarian if an amendment to add directors was necessary, and Professor Jean Porter replied in the negative, saying the committee would be able to judge the sense of this discussion. M. Borelli moved a friendly amendment to clarify the issue, which the senate accepted. The senate then voted on the resolution: 20 in favor, two against, zero abstentions. The approved resolution is printed as appendix D of this journal.

The senate then voted for various offices for which it is responsible. Those elected or nominated were as follows:

Campus Life Council

Ava P. Collins, Undergraduate Studies
Second position to Chair, Committee on Student Affairs,
ex officio

Board of Traffic and Parking Appeals

Kathleen M. DeLanghe, Physics
Jerome H. Neyrey, Theology (alternate)

Faculty/Student Committee on Women (two-year term)

Ava P. Collins, Undergraduate Studies
Barbara Turpin, Associate Dean, Graduate School

Academic and Faculty Affairs Committee of the Board of Trustees (Nominees)

John Borkowski, Psychology
David Burrell, C.S.C., Philosophy/Theology
Sophia K. Jordan, Library
Naomi M. Meara, Psychology
Patrick Sullivan, C.S.C., Sociology
— one open spot to be filled

Judicial Review Board Nominees

Charlotte Ames, Library
Katharina J. Blackstead, Library
Kathleen M. DeLanghe, Physics
Stephen M. Hayes, Library
Kerry Marsh, Psychology
Linda A. Sharp, Library

The chair, after some discussion, ruled that ballots sent to the senate office would be counted but none that were mailed after this meeting would be considered.

Lombardo asked for clarification about election procedures for the various colleges and professional specialists. The chair said the forms would be changed to clarify procedures and eligibility.

Because of the problems caused by the electrical power outage at the CCE, no committee meetings were held on this night, nor were any committee reports made.

The Committee on Academic Affairs presented a proposal for first reading of a resolution on appeals. In the absence of the committee chair, Ruccio represented the committee. The committee of 12, with wide representation and after wide discussion, drafted the proposal (primarily written by Professors Michael Detlefsen and David Burrell, C.S.C.), and by an 11 to one vote would ask the senate to endorse their work. He made three points:

1) the draft was a clarification and a writing down of procedures on various processes by category; 2) it changed the way Notre Dame does appeals, so that in place of the provost a new committee would be formed to hear appeals; and 3) there was a new timetable, so that appeals would be done by May 1.

M. Borelli asked if the date of notification referred to the initial decision on the appeal. Ruccio explained that the committee had only considered appeals, but found that the whole process had to be revised to make sense. So the notification date Borelli referred to was for the initial decision — March 15. Borelli asked for some clarification on this. Sheehan spoke next. He found the proposed plan ambitious and detailed, and asked if the senate was to vote on it as a whole or in parts; he thought some people might find some components objectionable, and it would be nice to split up the document. He thought also that two words needed definition in section three: verifiable and unreliability. Ruccio replied that an aggrieved party has to put forward evidence that can and will be examined, and this must be evidence, not just suspicion of bias, for example.

The chair asked the parliamentarian about Sheehan's point on splitting the proposal into parts. Porter replied that it can be divided by motion of the senate, or by the committee itself. She further pointed out that the second

reading would allow for amendment, and the committee itself might do this after the discussion at this meeting; specifically the proposal would require enabling amendments, for example, to direct some parts of it to the Academic Council to request a change in the Academic Articles. The chair asked Porter to advise the committee of these points, so that the proposal will come back to the senate in May in its cleanest form. Ruccio, responding to Sheehan's first point, said the committee had no feeling about splitting the proposal into parts, although his own view was that it should not be.

Professor Stephen Batill asked if the committee were soliciting input about the proposal. Ruccio said the committee was satisfied, but knew that others may have ideas that they should consider. The chair asked members to respond with ideas and suggestions before the next executive committee meeting (April 26). Professor Michael Brownstein pointed out that many aspects of the tenure decision were confidential. How does one verify bias in the face of confidentiality? Ruccio replied that the proposal takes account of confidentiality, but asks that at each step there should be a written statement of criteria and the forms of evaluation to be used. Then an aggrieved party can say, "This seems to be out of line with the written criteria which were established," and the committees on appeals (both collegiate and University) would have the right of access to the confidential material.

Professor Kathleen Biddick wondered about the Collegiate Appeals Committee. Was it necessary to have a higher level of appeal, if this committee found for the aggrieved party? Any higher level simply took the decision further away from the college. Perhaps one might say, "That's life," but it is smart? Ruccio clarified the committee's view: For political expediency's sake and by Notre Dame custom, the committee accepted that the final decision would be made above the college level. In the proposal, the committee substituted for the provost on the higher level a new University-wide committee on appeals that would have the final say. Batill asked if the committee discussed in general terms how many appeals there might be in a given year, and would this be an overwhelming burden, especially for the members of PAC? Professor Ava Collins reported that Burrell had given the committee some sense of this: The number would be low, and it would not be an untenable process to handle. Batill thought that logistically the proposal might make sense. Professor Randall Zachman spoke about the committee's concern for this aspect, and how the members believed the written criteria and more open process would actually reduce the number of appeals presented.

Biddick thought the proposal was interesting, but she was concerned that it did not go much beyond Notre Dame's current culture, especially in regard to confidentiality.

DOCUMENTATION

Other schools, once a decision is reached, open up files to the applicant; Notre Dame seems only to stonewall. Had the issue really been addressed? She saw only rules and regulations, but not progress. Zachman replied that in this instance too Burrell was helpful: What was realistic to achieve at Notre Dame? Not breaking confidentiality was realistic. He thought Biddick made an excellent point, but the committee tried to write what might be achieved. Zachman thought the greater issue, and where progress was made, was that the committee was asking every department to set and announce its standards. Everyone would know what the criteria were and how they were to be weighed. Ruccio added that the president was concerned about this too and had recently circulated an article on tenure that urged greater openness and less confidentiality as a trend in higher education. The committee saw its role as developing an appeals process, not as overhauling the entire tenure system. It wanted to make the appeals process work; rearranging tenure would be left to another committee at another time. Professor Walter Tomasch gave a practical example: In his physics department, the CAP solicits authors for letters from the candidate and also independently asked others to write about the candidate; he saw this as non-political, but he knew that confidentiality had to be assured to the authors of those letters. However, a dissatisfied candidate would be at a disadvantage. The issue had two sides.

The chair closed the discussion by asking the committee to consider the comments made at this meeting and come back to the senate in May with its proposal. Professor Hilary Radner applauded the senate for undertaking this study; junior faculty going through the process, as she is, do so in darkness. This will help.

The next agenda item was the first reading of the report of the senate self-study committee, chaired by Sheehan who spoke for the committee. He thanked the members for their efforts (Paul Conway, Laura Bayard, James Collins, William Eagan). 'Senate members can send their suggestions and comments to any of them by April 14. The report in section two talks about the three major University bodies which contain elected faculty (Academic Council, PAC, Senate), their composition, culture and overlap; section three speaks of attitudes toward the senate, including that of Fr. Malloy and the faculty in general; section four talks of the senate's own problems and weaknesses; section five reports on senate strengths; and section six presents the alternatives to the senate and enumerates four possible reforms. Summarizing the report he said that despite its perceived weaknesses, the senate has discussed issues that may have remained dormant and has brought them to the University's attention. He mentioned in particular the helpful comments Batill submitted in response to last month's request for input.

In the discussion which followed, several members spoke. Sullivan pointed out that on page 6 of the report, the reference to union bargaining was incomplete; it is far more than benefits and grievances. The senate itself is engaged in an effort very much in line with Catholic social teaching, something that is good for Notre Dame: co-management. Ruccio said that the senate cannot make its own decisions on unionization, and this document should not say whether it is feasible. But the report can say what role the senate should have if unionization ever came to Notre Dame. Commenting on the report's remarks in regard to ex-officio members, one of the ways these members can help the senate would be to report on the activities of the college council, and conversely report on senate matters to those councils. Professor Felicitas Munzel reminded the senate that afternoon senate meetings might tend to interfere with afternoon seminar classes which don't end until 5:05 p.m. M. Borelli asked if the report meant to say the senate would initiate a move toward faculty unionization. Sheehan said that was not the intent; it was merely to point out what had been posed as a possible role for the senate. In the light of the Yeshiva court decision, unionization was not a viable alternative. Ruccio entered a slight disagreement, saying the decision was not a total ban on faculty unionization. Hartland agreed with Munzel that afternoon senate meetings were very inconvenient especially in light of the architecture class schedules. Further, he could not see how that would change the climate or culture of the senate. Sheehan answered that the comment was meant only to say that senate service was an integral part of University life.

Batill spoke of his admiration for the direction of the report and for the work of the committee in preparing it. But he reported that he had tried to serve as a bridge between his college council and the senate, bringing senate business to the council, where the members expressed only disdain for the senate. They were negative and he was frustrated at this. The document could emphasize the real role of the senate: to determine what it will take to achieve the respect of the faculty, and having achieved that the administration will then have to listen and go along. The College of Engineering is a small college at Notre Dame, but his perception was that the senate lacked the overall support of the faculty. This report should attempt to point out how the senate can do this. He did not have any suggestions on this, but he hoped the senate would work toward this. Brownstein pointed out that time in the senate or on senate business was time taken away from professional responsibilities and family. He suggested that membership on the senate might well qualify one for a reduction in teaching load.

Porter appreciated the remarks of Batill and Brownstein, but she did not think there was a universally-held negative feeling about the senate. Often her colleagues have

asked about a piece of senate business that they've heard or read about. Although she couldn't quantify these remarks, she had heard a substantial number of them, including some who have said the senate was the last hope for addressing important issues. However, she wouldn't denigrate the negative feeling; that too exists. Batill said his college was a limited sample, but he was surprised at the hostility expressed by a number of senior members in the College of Engineering.

The chair asked for a moment to speak on this topic. McBrien said with their other responsibilities, most departmental chairs would not have time to serve on the senate, although he knew one who would like to do so, and will some day. With reference to the College of Engineering, hard feelings there may stem from the controversy over the survey idea: There was a choosing of sides on this and a certain polarization within the college, especially by those who seemed to support the dean. On the survey itself, the senate acted responsibly: Faculty members asked for assistance, the executive committee considered the request and brought a proposal to the senate for approval. The senate discussed it and eventually decided not to go the route the executive committee had recommended. But the issues were aired, and the senate acted prudentially so that faculty will continue to feel free to come to the senate for help. Out of the process came the idea for a regular role for the senate in the review of deans, not only when there was a problem but as a matter of routine — the proposal the senate passed tonight for action by the Administration Committee. In fact, though, the low estimation of the senate Batill reported was a feeling McBrien himself had for a long time, but not now. The senate has been perceived by some as a place for those with not enough to do, and some past leaders have not had strong faculty credentials. The senate is trying to change that, and people of substance were beginning to run now. The actions of the senate were being taken more seriously, especially on the appointment of higher academic administrators just passed by the Academic Council. The senate can take credit for that. Progress is slow, step by step, but it is progress, despite the mistakes the senate may make. Sheehan's report made many important recommendations, not least of which concerned communications between senate and faculty, and among senators themselves.

Ruccio agreed with McBrien: Lots of colleagues ask him about the deliberations of the senate, they read the executive summary and the journal, and they are interested in what the senate does. They would not know a lot if it weren't for the senate. Ruccio thought it would be a good idea for each senate chair to prepare a review of each year's accomplishments for inclusion in the journal. Sheehan asked senators for their comments by April 14. McBrien thanked the committee for its work and ended the first reading of the self-study report.

There was no new business.

Porter moved adjournment, Lombardo seconded and the senate agreed at 9:10 p.m.

Present: Batill, Bayard, Biddick, Borelli, M., Bottei, Broderick, Brownstein, Coll, Collins, A., Hamburg, Hartland, Huang, Hyde, Jordan, Lombardo, McBrien, Munzel, Porter, Radner, Rai, Ruccio, Sheehan, Sullivan, Tomasch, Wei, Weinfield, Zachman, Orsagh, Student Government Representative

Absent: Borelli, A., Bradley, Brennecke, Delaney, Esch, Gundlach, Mason, Miscamble, Rathburn, Sommesse, Simon, Stevenson, Vasta, Borer, Graduate Student Representative

Excused: Bandyopadhyay, Bender, Borkowski, Burrell, Callahan, Collins, J., Conway, Detlefsen, Eagan, Gaillard, Garg, Pickett, Sayers

Respectfully submitted,

Peter J. Lombardo Jr., Secretary

Appendix A

Chair's Report April 5, 1995

1. At the Faculty Senate meeting of March 7, the Senate approved a letter to Fr. Malloy in response to his remarks at the Senate meeting of October 10, 1994, in which he suggested five general areas to which the Senate might devote its attention. Fr. Malloy has sent a response to the Senate's letter. I shall read it for your information and for the permanent record. [Reading of letter.]
2. The Faculty Senate resolution of September 7, 1994, recommending that the Academic Council amend the Academic Articles "so that the appointments and reviews for both senior and junior Vice President and Associate Provost positions include formal faculty input" was unanimously approved by the Academic Council yesterday afternoon in a form proposed by the Council's Executive Committee. Fr. Malloy assured the Council that he would bring the matter to the attention of the Board of Trustees with his recommendation that it be approved by the Board. Among the recommended changes in the Academic Articles, the key one is as follows: "When such an appointment is to be made, the Provost consults with the Provost's Advisory Committee and reports the complete results of this consultation to the President, along with a

personal recommendation. Later, the President reports these findings to the Board of Trustees, along with a personal recommendation." [A copy of the amendments to the Academic Articles has been distributed to the Senate's membership and will be printed in the Journal.]

3. The last scheduled meeting of the Academic Council for this semester will be held on April 26. At that time the Faculty Senate's other resolution of last September, that is, on intercollegiate athletics, will be discussed in conjunction with a yet-to-be-distributed report from the Faculty Board in Control of Athletics.

4. Profs. Jean Porter and David Ruccio have been invited to attend a second meeting of the Provost's Advisory Committee on April 19 to continue their discussion of procedures for grievances in tenure decisions and renewals, as a follow-up to a Senate resolution on the subject passed during the 1993-94 academic year.

5. The Provost has assured the Senate chair that a second meeting between the Senate's Executive Committee and the academic officers of the University will be scheduled before the end of the current semester.

6. The Executive Committee will recommend to the incoming Faculty Senate, upon the conclusion of the business meeting of the present Senate on May 2, that the Notre Dame Forum on Academic Life be continued under Senate sponsorship during the next academic year.

7. As required in the Senate's Bylaws, after the conclusion of the business meeting on May 2, the Senate will proceed to the election of officers and of chairs of standing committees for the next academic year. Not until the middle of this month will elections to the Faculty Senate be completed and the results tabulated in the various colleges, the Library, the professional specialist faculty, the emeritus faculty, and ROTC. Thereafter, continuing and incoming members of the Senate will receive forms to make known their willingness to stand for election to various Senate offices or as committee chairs. Those who are willing to stand for election will be urged to mark and return those forms immediately so that the Executive Committee can prepare appropriate ballots in time for the May 2 meeting.

Appendix B

Office of the President
University of Notre Dame
Notre Dame, Indiana 46556

March 30, 1995

Rev. Richard McBrien
Chair
Faculty Senate
Box 489
Notre Dame, IN 46556

Dear Dick:

Thank you for your recent letter with a copy of the Senate's response to the five possible areas of Senate topics that I suggested during my annual meeting with the Faculty Senate. I appreciate the thoughtful response to each of the five proposed themes.

In light of present national political realities I think it is important to note that there are two areas presently being debated that ought to attract some attention from the Faculty Senate. The first is the effort to make affirmative action considerations in hiring, promotion, and financial aid illegal in state institutional settings. The proposed state-wide referendum in California is but one example of a growing trend. The second issue has to do with academic tenure. There is a sustained effort underway at the national level, largely driven by the business community, to attack tenure as an unproductive form of preferment that is unnecessarily driving up the cost of higher education. In both of these areas, that is, affirmative action and tenure, it will be important to articulate well the underlying philosophy that warrants these policies in higher education.

I want to thank the members of the Senate for their response to my proposals. I look forward to our collective efforts to build an even stronger and academically excellent university.

Cordially,

(Rev.) Edward A. Malloy, C.S.C., President

Appendix C

ARTICLE II, ACADEMIC OFFICERS

Section 1 / The Provost

The Provost is elected by the Board of Trustees for an indefinite period upon recommendation of the President. The appointment is subject to formal review every five years.

When such an appointment is to be made, the President so advises the University through the Academic Council. The Council then elects five members from its elected faculty representatives and one from its student representatives to constitute a committee chaired by the President. This committee receives and considers nominations including those received from the faculty. In addition, the President and the Board of Trustees receive nominations from appropriate sources, both within and without the University. When this procedure is completed, the President consults with the elected faculty members of the Academic Council regarding all serious candidates. Later, the President reports the complete results of this consultation to the Board of Trustees, along with a personal recommendation. For the five-year review, a similar committee is constituted, except that the President does not chair it. *The five-year review shall include the Associate Provosts.*

Within the framework of University policies and procedures, the Provost has responsibility, under the President, for the administration, coordination, and development of all of the academic activities and functions of the University.

The Provost is assisted in the duties of office by the Vice President and Senior Associate Provost, the Vice President and Associate Provost, as described in Section 2, and by Associate/Assistant Provosts who are appointed by the President. The Associate/Assistant Provosts perform such duties and exercise such authority as may be delegated by the Provost.

Section 2 / The Vice Presidents and Associate Provosts

The Vice President and Senior Associate Provost and the Vice President and Associate Provost are elected by the Board of Trustees *for an indefinite period upon recommendation of the President.*

When such an appointment is to be made, the Provost consults with the Provost's Advisory Committee and reports the complete results of this consultation to the President, along with a personal recommendation. Later, the President reports these findings to the Board of Trustees, along with a personal recommendation. [to assist the Provost in the work of academic administration in whatever way the Provost may desire.]

In the absence of the Provost, the Vice President and Senior Associate Provost acts as Provost. In the absence of the Provost and the Senior Associate Provost, the Vice President and Associate Provost acts as Provost. *Both the Vice President and Senior Associate Provost and the Vice President and Associate Provost assist the Provost in whatever way the Provost may desire.*

Appendix D

RESOLUTION

RESOLVED that it is the sense of the Senate that it take as one of its regular responsibilities the conducting of surveys of the Colleges and the Law School when the respective dean is up for review, and that this matter be referred to the Committee on Administration for precise formulation of documents and procedures.

University Committee on Libraries March 7, 1995

The meeting was called to order at 3:30 p.m. in the office of the director of libraries by the chairman, Thomas Fehlner. Also in attendance were John Halloran, James Kohn, Robert Miller, Robert Scheidt, Donald Sniegowski, Marsha Stevenson and secretary Melodie Eiteljorge.

The minutes of the meeting of January 17 were approved as written. The minutes of February 21 were approved with a correction.

Miller reported that TAPCOM, the committee that has been assessing Tapestry, has voted to recommend that the libraries pursue negotiating a contract to acquire the product. This recommendation will be considered by the Library Administrators and Managers Group, then by the Library Executive Committee, and finally by the director. Reports from the members of TAPCOM are available in the reserve book room.

The libraries will also be exploring a new product which would be available in the fall: InfoTrac (expanded academic index and general business file and related ASAP service). Scheidt asked if acquiring InfoTrac would result in any journal cancellations. Miller replied that it would not, at least for the present.

Miller distributed a draft memorandum to be sent to department chairs, asking that they invite subject librarians or liaisons to a faculty meeting. This draft was unanimously approved.

Miller next gave an update on the library budget. He explained that in the past CARL UnCover, binding and several electronic products have been handled through the acquisitions budget. For next year, a new budget line is being set up for resource delivery. This will include inter-library loan, document delivery services and remote database services.

In addition, three new faculty positions are being added: a bibliographic instruction (BI) librarian, a rare books cataloger and a serials librarian. Two staff positions will be added for the Business Information Center, one for Preservation, one for Cataloging and an additional floater position for the branch libraries. Some student hours will also be increased.

Miller reported briefly on the status of the Gordon and Breach situation, which seems to have eased somewhat. He still intends to conduct a review of Gordon and Breach titles and encourages cancellations.

Sniegowski noted that he had attended a reception in the Rare Book Room in conjunction with the "18th- and 19th-Century British Women in Print" conference. It was well attended and nicely presented. Miller added that there would be a dedication of the Luce collection on Berkeley, with a reception, on March 8, also in the Rare Book Room. The reception is sponsored by the Friends of the Library at Notre Dame.

There was next a follow-up discussion to the February 21 joint meeting with the libraries' Collection Development Committee. Fehlner suggested that a University-wide committee be formed to identify areas in which Notre Dame should strive for strength in collections. This would be a follow-up to the work of the Ad Hoc Committee on University Libraries. Miller asked if Fehlner perceived such a committee as identifying areas where there is potential for excellence, or areas that are weak and need improvement. Fehlner replied that he thought the former would be more appropriate. Miller noted that there are many factors involved, including the question of journals vs. electronic products, etc. One issue that must be considered in the near future is the circulation of CD-ROMs. Meanwhile, he will draft a charge for a committee based on Fehlner's suggestion.

There being no further business, the meeting adjourned at 4:35 p.m. The next meeting was scheduled for April 18, 3:30 p.m., in the office of the director.

Respectfully submitted,

Melodie G. Eiteljorge
Secretary

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Current Publications and Other Scholarly Works

Current publications should be mailed to the Office of Research of the Graduate School, Room 312, Main Building.

COLLEGE OF ARTS AND LETTERS

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RADIATION LABORATORY

Ferraudi, Guillermo

- G. J. Ferraudi, M. Feliz, E. Wolcan, I. Hsu, S. A. Moya and J. Guerrero. 1995. Temperature effects on the luminescence of Re(I) complexes: On the competitive relaxations of two electronic states. *Journal of Physical Chemistry* 99:4929-4934.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received and Proposals Submitted

In the period March 1, 1995, through March 31, 1995

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	8	924,589	14	1,393,074	22	2,317,663
Facilities and Equipment	0	0	1	78,457	1	78,457
Instructional Programs	0	0	1	29,548	1	29,548
Service Programs	0	0	0	0	0	0
Other Programs	<u>1</u>	<u>27,530</u>	<u>3</u>	<u>10,250</u>	<u>4</u>	<u>37,780</u>
Total	9	952,119	19	1,511,329	28	2,463,448

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	13	1,323,936	25	4,529,907	38	5,853,843
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	1	14,943	1	14,943
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>7</u>	<u>35,410</u>	<u>7</u>	<u>35,410</u>
Total	13	1,323,936	33	4,580,260	46	5,904,196

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received

In the period March 1, 1995, through March 31, 1995

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

Atassi, H.

Aerodynamics and Noise Radiation
National Aeronautics and Space Administration
\$72,178 12 months

Biological Sciences

Bender, H.

Human Genetics Program-Regional Genetics Center
Indiana State Department of Health
\$94,123 24 months

Lodge, D.

REU Supplement for NSF Grant DEB94-08452
National Science Foundation
\$7,952 12 months

Civil Engineering and Geological Sciences

Westerink, J.

Hydrodynamic Modeling Research
Texas Water Development Board
\$15,000 19 months

Pyrak-Nolte, L.

Computer-Aided Visualization of Crack and Fracture
Geometry
Department of the Navy
\$74,175 36 months

Kirkner, D.

Nonlinear Analysis of Flexible Pavement Systems
Department of the Army
\$1,000 10 months

Chemical Engineering

Wolf, E.

AFM and STM Studies of Catalysts
National Science Foundations
\$74,909 42 months

Chemistry and Biochemistry

Smith, B.

Dynamic Control of the Binding of Neutral
Biomolecules
National Science Foundations
\$75,000 42 months

Castellino, F.

Blood Coagulation Protein-Metal Ion-Lipid Interactions
National Institutes of Health
\$253,739 11 months

Computer Science and Engineering

Lumsdaine, A.

NSF CAREER Program
National Science Foundation
\$113,249 36 months

Electrical Engineering

Lent, C., Porod, W., et al.

Architectures Compatible with Novel Quantum Devices
Department of the Navy
\$119,748 36 months

Liu, R., Huang, Y.

Reliable Robust Wideband Array Signal Processing
Department of the Navy
\$104,640 59 months

Porod, W., Lent, C., et al.

Quantum Cellular Automata
Department of the Navy
\$250,000 36 months

Sauer, K.

Model Based Tomography
National Science Foundation
\$70,201 30 months

Mathematics

Shaw, M.

Partial Differential Equations and Several Complex
Variables
National Science Foundation
\$74,999 36 months

Dyer, M.

Coxeter Groups and Lie Theory
National Science Foundation
\$20,000 24 months

Physics

Garg, U.

A Recoil Distance Device for GAMMASPHERE
Argonne National Laboratory
\$36,750 11 months

Furdyna, J.

Growth of Novel Ordered II-VI Semiconductor Alloys
NREL
\$50,000 47 months

Biswas, N., Ruchti, R., et al.

Particle Production and Detector Development
National Science Foundation
\$350,000 12 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Radiation Laboratory

Schuler, R.
Effects of Radiation on Matter
Department of Energy
\$200,000 12 months

Theology

Ulrich, E., VanderKam, J.
The Publication of Four Volumes of Dead Sea Scrolls
Dead Sea Scrolls Foundation
\$30,000 24 months
The Publication of Four Volumes of Dead Sea Scrolls
National Endowment for the Humanities
\$230,000 24 months

AWARDS FOR FACILITIES AND EQUIPMENT

Electrical Engineering

Snider, G., Merz, J., et al.
Ion Etching Device for Materials Studies
National Science Foundation
\$78,457 12 months

AWARDS FOR INSTRUCTIONAL PROGRAMS

Classical and Oriental Languages and Literatures

Sheerin, D.
Multicultural Study of Classical Literature
Lilly Endowment, Inc.
\$29,548 24 months

AWARDS FOR OTHER PROGRAMS

Art, Art History and Design

Rutchick, L.
Memory, Literacy, and Historiated Sculpture in Moissac
Cloister
National Endowment for the Humanities
\$4,750 5 months

Biological Sciences

Goetz, F.
Symposium on Reproductive Physiology of Fish
National Science Foundation
\$3,000 12 months

Chemistry and Biochemistry

Tannor, D.
ACS Symposium on Photodynamics
Department of the Navy
\$2,500 12 months

Graduate School

Diffley, P.
Jacob K. Javits Fellowship
Department of Education
\$27,530 11 months

Proposals Submitted

In the period March 1, 1995, through March 31, 1995

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

Jumper, E.
DOE Advanced Turbine Systems University Research
University of Dayton
\$149,999 36 months
Nelson, R., Thomas, F.
Key Topics for High-Lift Research
National Aeronautics and Space Administration
\$80,000 24 months
Corona, E.
Buckling of Structural Members under Cyclic Bending
National Science Foundation
\$181,885 36 months

Biological Sciences

Fraser, M.
Transposon Mutagenesis of Nuclear Polyhedrosis
Viruses
National Institutes of Health
\$63,720 12 months
Rai, K.
Experimental Parasitology and Vector Biology
National Institutes of Health
\$80,375 12 months
Bridgham, S., Chapin, C.
Climate Change Impacts in Northern Peatlands
National Aeronautics and Space Administration
\$66,000 36 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Civil Engineering and Geological Sciences

- Kareem, A., Szewczyk, A.
Aerodynamics of Longspan Bridges
National Science Foundation
\$251,744 36 months
- Pyrak-Nolte, L.
Energy Partitioning of Seismic Waves
Department of Energy
\$64,639 12 months
- Rigby, J., Ely, J.
NASA Graduate Student Fellowship
National Aeronautics and Space Administration
\$22,000 12 months
- Kareem, A.
Engineering for Hazard Mitigation
National Science Foundation
\$153,095 36 months

Chemical Engineering

- Strieder, W.
Structure Independent Bounds in Heterogeneous Media
National Science Foundation
\$148,149 36 month
- Multiple Scattering and Interfacial Resistance
National Science Foundation
\$99,798 24 months
- McGinn, P.
Critical Current Density in YBaCuO
Purdue University
\$130,000 12 months
- Particle Pushing during Melt Texturing of Y-123
National Aeronautics and Space Administration
\$156,258 24 months
- Processing of Superconducting Microlaminates
Purdue University
\$34,955 12 months
- Brennecke, J.
Phase Equilibria of CO₂-Based Reaction Systems
National Science Foundation
\$343,721 36 months
- Varma, A.
Gas-Solid Combustion Synthesis under Microgravity
National Aeronautics and Administration
\$325,706 36 months
- Miller, A., Bandyopadhyay, S.
Superconducting Quantum Structures
Purdue University
\$158,835 12 months
- Chang, H.
Nonlinear Dynamics and Control
National Science Foundation
\$262,476 36 months

Chemistry and Biochemistry

- Hartland, G.
Ultrafast FTIR Spectroscopy of Photodissociation
Reactions
National Science Foundation
\$418,061 36 months

Computer Science and Engineering

- Lumsdaine, A.
High Performance Scalable Libraries
Department of the Army
\$149,926 36 months

Electrical Engineering

- Costello, D.
New Directions in Convolutional Codes
National Science Foundation
\$260,628 36 months

Physics

- Blackstead, H.
Microwave and Optical Studies of HTSC
Purdue University
\$114,000 12 months
- Pair-Breaking by Ba-Site Magnetic Dopants
Purdue University
\$68,905 12 months
- Berry, H.
Precision Studies of Hyperfine STR
Research Corporation
\$48,000 12 months
- Atomic Structure Studies
National Science Foundation
\$26,302 30 months
- Ruggiero, S.
Single-Electron Tunneling
Department of Energy
\$49,000 12 months
- Transport Properties of YBCO Thin Films
Purdue University
\$85,521 12 months
- Cason, N., LoSecco, J., et al.
Equipment for Brookhaven Experiment E-852
Brookhaven National Laboratory
\$108,000 12 months
- Garg, U.
A Recoil Distance Device for GAMMASPHERE
Argonne National Laboratory
\$36,750 11 months
- Furdyna, J.
Optical Studies of ZnSe/GaAs Heterostructures
Research Foundation of SUNY
\$47,671 24 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

LoSecco, J., Cason, N., et al.
Research in High Energy Physics
Department of Energy
\$514,454 12 months

Livingston, A.
Laser Spectroscopy of Stored Highly-Charged Ions
National Science Foundation
\$20,336 36 months

Kolata, J.
Nuclear Structure Research
National Science Foundation
\$14,871 2 months

Psychology

Merluzzi, T., Maxwell, S.
Fighting Spirit: A Self-Efficacy Analysis of Resilience
American Cancer Society
\$278,686 36 months

Borkowski, J., Whitman, T.
Research Training in Mental Retardation
National Institutes of Health
\$89,659 12 months

Merluzzi, T.
Fighting Spirit: A Self-Efficacy Analysis of Resilience
Komen Breast Cancer Foundation
\$91,898 36 months

Urban Institute for Community and Educational Initiatives

Smith, R., Borkowski, J., et al.
Notre Dame Community Outreach Partnership Center
United States Housing and Urban Development
\$657,820 24 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Electrical Engineering

Bernstein, G., Snider, G.
Presenting Electrical Engineering to High School
Students
National Science Foundation
\$14,943 12 months

PROPOSALS FOR OTHER PROGRAMS

Art, Art History and Design

Dibble, J.
Visual Artists Fellowship
National Endowment for the Arts
\$0 12 months

Another Kind of Examination
Deming Memorial Fund, Inc.
\$1,000 12 months

Individual Artist Fellowship
Indiana Arts Commission
\$0 12 months

Regional Visual Artist Fellowship
National Endowment for the Arts
\$0 12 months

Office of Executive Vice President

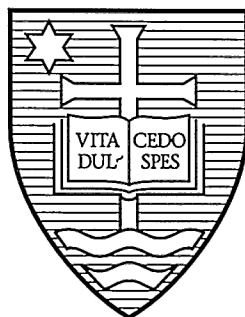
Roemer, J.
NYSP-ND
Step Ahead Youth Services
\$1,000 5 months

Program of Liberal Studies

Sloan, P.
Controlling Our Destinies
Department of Energy
\$24,000 19 months

Urban Institute for Community and Educational Initiatives

Outlaw, W., Smith, R., et al.
Teen 2000 Summer Youth Employment Orientation
Workforce Development Services
\$9,410 5 months



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