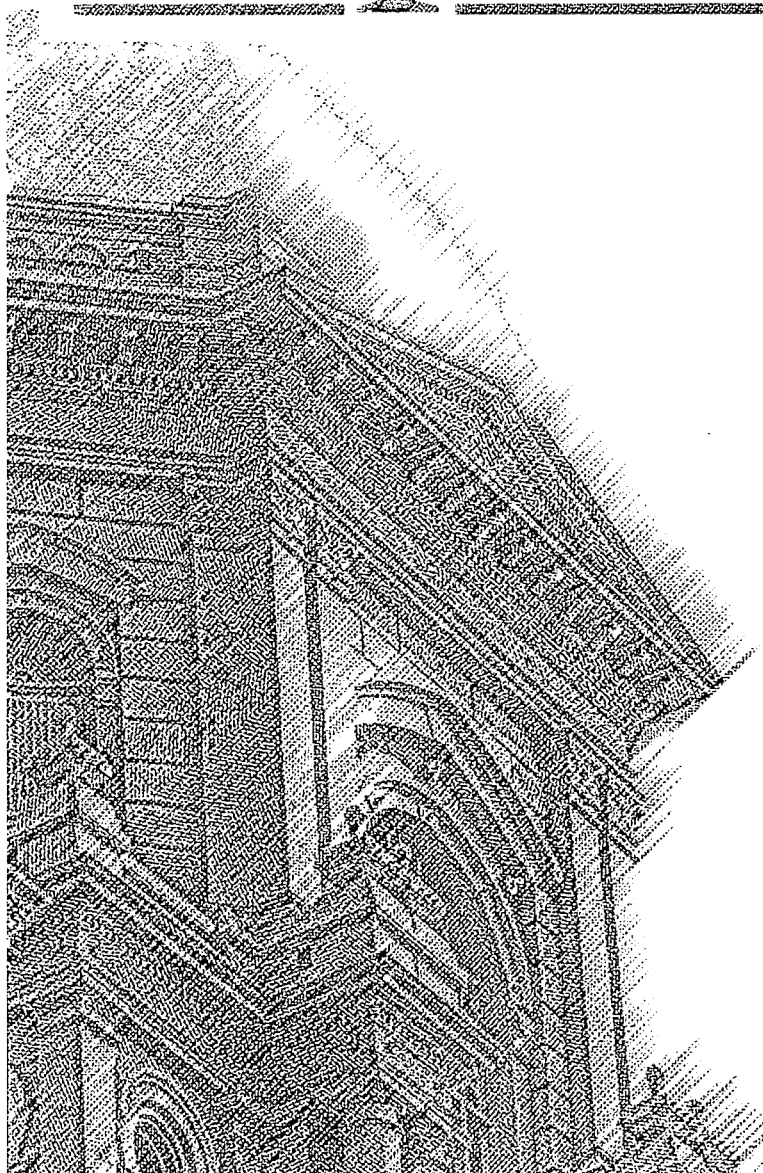


Notre Dame Report



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Faculty Notes

Honors

Ani Aprahamian, professor of physics, was elected to the Users' Executive Committee of the NSCL, starting Nov. 1, and elected to chair the HRIBF Users' Committee starting January 2002.

Steven M. Boker, assistant professor of psychology, was awarded the 2000 Raymond B. Cattell Award from the Society of Multivariate Experimental Psychology for outstanding early-career contributions to multivariate research in psychology.

Bernard E. Doering, professor emeritus of romance languages and literatures, received the Jacques Maritain Excellence in Scholarship Award and Medal at the annual meeting of the American Maritain Association in Boca Raton, Oct. 18-20.

Dolores Warwick Frese, professor of English, has been reappointed by the Institute for International Education to the National Selection Committee for Fulbrights to Great Britain. She has also been appointed to the Development Committee of the American Council of Learned Societies.

Gerald McKenny, associate professor of Christian ethics, was awarded a Collaborative Research Assistance grant from the American Academy of Religion for an ongoing project he heads on "Genre and Persuasion in Religious Ethics."

Ernan McMullin, O'Hara Professor Emeritus of Philosophy, was conferred with a Doctorate of Laws (*honoris causa*), on the occasion of the dedication of Malloy Hall, at a convocation on Oct. 18.

Rev. Timothy R. Scully, C.S.C., executive vice president, has been appointed to the Wilson council, a prestigious group of private citizens who advise the trustees and staff of the Woodrow Wilson International Center for Scholars.

Erhard Winkler, professor emeritus of geological sciences, received the Daniel W. Kessler Award of the C-18 committee at the American Society for Testing and Materials meeting, Oct. 9, in recognition of his distinguished services and contributions to the field.

Appointments

Kevin Misiewicz, associate professor of accountancy, has been appointed faculty director of the Master of Science in Administration (MSA) Program in the Mendoza College of Business.

Activities

Panos J. Antsaklis, professor of electrical engineering and director of the Center for Applied Mathematics, visited the Instituto de Sistemas e Robotica of the Technical Univ. (IST), in Lisbon, Portugal, as a member of the international Research Advisory Committee of the Instituto, Oct. 16-19, and presented an invited lecture titled "Networked Embedded Control Systems: Issues and Challenge" on Oct. 17.

Ani Aprahamian, professor of physics, chaired the mini-symposium on "High Temperature Nucleosynthesis II" at the American Physical Society Division of Nuclear Physics meeting, Maui, Oct. 17-20.

J. Douglas Archer, associate librarian, presented "Intellectual Freedom and CIPA" with M. Roblee at the Indiana Library Federation Legislative Forum in Bloomington, Oct. 24.

Peri E. Arnold, professor of government and international studies, presented "Articulating a Warrant for Leadership: Roosevelt, Taft, Wilson, and the Progressive Presidency" at the 2001 annual meeting of the American Political Science Association, San Francisco, Aug. 29 through Sept. 2.

Klaus-Dieter Asmus, professor of chemistry and biochemistry, chaired the Advanced Oxidation Techniques-7 Conference, Niagara, Canada, June 25-29; and presented "Absolute Rate Constants and Isotope Effects in *OH-Induced Oxidation of Amino Acids," with coauthors I. Stefanic, M. Bonifacic, and D.A. Armstrong at the Miller Conference on Radiation Chemistry in Windermere, U.K., April 7-12.

Steven M. Boker, assistant professor of psychology, presented "Consequences of Continuity: The Hunt for Intrinsic Properties within Parameters of Dynamics in Psychological Processes, the Cattell Award address, at the Society of Multivariate Experimental Psychology annual meeting, Monterey, Calif., Oct. 13; "Dynamical Systems Models for Self-Regulatory Psychological Processes" with T.L. Bisconti, at the Psychometric Society annual meeting, Valley Forge, Pa., June 23; "Nonstationarity in the Coordination of Movements during Dyadic Dance and Conversation" at a colloquium at the Max Planck Institute for the Physics of Complex Systems, April 26; and "Postural Stabilization: Monolithic or Coupled Control Systems?" at the Austrian Society for Cognitive Science Colloquium Series, Univ. of Vienna, April 24.

Paul Bradshaw, professor of theology, presented "Parallels between Early Jewish and Christian Prayers: Some Methodological Issues," at a symposium, *"Identität durch Gebet? Zur gemeinschaftsbildenden Funktion institutionalisierten Betens in Judentum und Christentum"* at Bonn Univ., Germany, on Oct. 26.

Ian Carmichael, professional specialist in the Radiation Laboratory, presented "Atomic Hydrogen in Silsesquioxane Cages: Results and Hypotheses" with co-authors M. Päch and R.M. Macrae at the American Chemical Society national meeting in Chicago, Aug. 26-30; and presented "Early Events in the Radiolysis of Aqueous Amino Acids: Insights from Theory" at the EMSP Coordination Meeting at the Pacific Northwest National Laboratory, Hanford, Wash., Feb. 11-13.

Dan Chipman, professional specialist in the Radiation Laboratory, presented "Incorporation of Solvent Effects into Electronic Structure Calculations" at the 34th Midwest Theoretical Chemistry Conference in Minneapolis, Oct. 5-6; "Charge Penetration in Reaction Field Theory" at the Molecular Quantum Mechanics International Symposium, Seattle, July 21-26; and "The Incorporation of Solvent Effects in Electronic Structure" at the Pacific Northwest National Laboratory in Richland, Wash., Aug. 10.

Lawrence Cunningham, O'Brien Professor of Theology, presented "I'm Spiritual but not Religious: What is Christian Spirituality?" at the Saturday Scholars series, Notre Dame, Oct. 13; "Cathedrals in Historical Context" at the Conference on Cathedrals for a New Century, Notre Dame, Oct. 22; and "A Day of Reflection on Thomas Merton: Spiritual Master" to the trustees of FADICA (Foundation and Donors Interested in Catholic Activities) at the Abbey of Gethsemani, Ky., Nov. 2.

Rev. Brian E. Daley, S.J., Huisking Professor of Theology, spoke to the officers for Mission of the Association of Jesuit Colleges and Universities about the problems and opportunities involved in the practice of "hiring for mission" in Catholic universities, Nov. 2-4.

Bernard E. Doering, professor emeritus of romance languages and literatures delivered an invited lecture *"Lacrimae rerum—The Tears at the Heart of Things, Jacques Maritain and Georges Rouault"* at the annual meeting of the American Maritain Association in Boca Raton, Oct. 18-20.

Julia Douthwaite, associate professor of French, and director of the Study Abroad Program in Angers, France, presented an invited lecture entitled "Perfectibility in the Revolutionary Era: Utopian Politics and Dystopian Fictions" at the Univ. of Oxford, England, Oct. 25.

Georges Enderle, O'Neil Professor of International Business Ethics, presented "Common Ethical Ground in the National, Regional, and Global Context from a Business Ethics Perspective" at Reitaku Univ., Tokyo, Oct. 5; "Corporate Ethics in the 21st Century: Balancing Economic, Social, and Environmental Responsibilities" at the Shanghai Academy of Social Sciences, Oct. 12, and on Oct. 16 at the People's Univ. in Beijing, China.

Leonid Faybusovich, professor of mathematics, gave a colloquium talk entitled "Jordan Algebras in Optimization" on Oct. 1.

Guillermo J. Ferraudi, professional specialist in the Radiation Laboratory, presented "Photoredox Chemistry of Macrocyclic Transition Metal Complexes. Potential Applications to the

Catalyzed Reduction of CO₂ and Oxidation of (SO₃)²⁻" at the Univ. of California in San Diego, Jan. 25-27.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, presented "Fullerene Nanotechnology" and "Charge-Transfer in Fullerene Porphyrin Ensembles" at the 200th meeting of the Electrochemical Society, Inc. in San Francisco, Sept. 2-7.

Mary Catherine Hilkert, O.P., associate professor of theology, presented "In the Beginning was the Word" during the opening plenary session of the conference "A Sense-able God: Let This Be Written, Let This Be Said," and presented a workshop, "Preaching Good News for All Creation," St. John's School of Theology/Seminary, Collegeville, Minn., Oct. 5; presented lectures on "Theology and Spirituality of Preaching" at the Siena Spirituality Center, Water Mill, N.Y., Oct. 12-15; and delivered the Ninth Annual Word and World Lecture, "The Story of Creation and the Story of Jesus in a World of Violence," at the Luther Seminary in St. Paul, Minn., Oct. 29.

Laura Holt, assistant professional specialist and associate director of undergraduate studies in London, and concurrent assistant professional specialist in theology, presented "Augustine and Soliloquia: *Hortensius* put to use at Cassiciacum" at NAPS 2001, the annual meeting of the North American Patristics Society, May 24-26.

William P. Hoye, associate vice president and deputy general counsel and concurrent associate professor of law, presented "Risk Assessment Audit Tool and Case Studies: How to Reduce Safety Risks on Study Abroad Programs" at the annual conference, Institute for the International Education of Students in Chicago, Oct. 20.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, presented "Evidence for b-Scission in the Oxidation of Amino Acids," coauthored by P. Wisniowski, **Ian C.**

Carmichael, professional specialist in the Radiation Laboratory, and **Richard W. Fessenden**, professor emeritus of chemistry and biochemistry, at the 3rd Asian Photochemistry Conference in India, Jan. 6-11.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, presented "Nanostructured Materials for Solar Energy Conversion and Beyond" at Northwestern Univ. in Evanston, Ill., Nov. 16; "Hydroxyl Radical Mediated Oxidation in Environmental Remediation" at LSU in Baton Rouge, Oct. 25-26; "Metal-Semiconductor Nanocomposites for Light Energy Conversion" at the annual meeting of the American Chemical Society, Chicago, Aug. 26-30; "Photoinduced Transformations in Gold-TiO₂ Nanocomposites" at the annual meeting of the American Chemical Society, Glasgow, U.K., July 23-25; "Assembling Fullerene Clusters as 3-Dimensional Nanostructures. Applications in Electrocatalysis and Photoelectrochemistry" at the annual meeting of the American Chemical Society, San Diego, April 1-5; and "Electrochemical and Photoelectrochemical Aspects of C₆₀-Ferrocene," coauthored by S. Barazzouk and S. Hotchandani, and "Laser Induced Morphological Changes and Photocatalytic Aspects of Metal-Semiconductor Nano-composites," coauthored by A. Dawson, at the annual meeting of the Electrochemical Society, Washington, D.C., March 25-29.

Rev. Paul Vincent Kollman, C.S.C., assistant professor of theology, presented "The Evangelization of Slaves in Nineteenth-Century East Africa: Ethical Dimensions of Missionary Practice" at the Midwestern Fellowship of Professors of Missiology at North Park Theological Seminary in Chicago, Nov. 3; and "Reading Slave Agency in a 19th-Century Missionary Archive" at the African Studies Association, Houston, Nov. 16.

Pamela A. Krauser, professional specialist in the Graduate School, presented "Working with Technology and Technical Staff in Research Administration" at the Society of Research Administrators annual meeting, Vancouver, B.C., Oct. 16.

Jay A. LaVerne, professional specialist in the Radiation Laboratory, presented "Hydrogen Production from Water Adsorbed on Oxides" at the DOE Core Technology Meeting, Los Alamos, N.M., Oct. 22-26; "Fundamental Radiation Chemical Techniques, Radiolysis of Water Adsorbed on Oxides" at the American Chemical Society meeting, Chicago,

Aug. 26-30; and "Radiation Event from the Spur to the Track: Physics to Radiobiology" at the 48th annual meeting of the Radiation Research Society, San Juan, Puerto Rico, April 20-26.

Keith P. Madden, associate professional specialist in the Radiation Laboratory, presented "Hydroxyl Radical Spin Trapping by Nitrones in Nitrous Oxide Saturated Aqueous Solutions" at the 24th International EPR Symposium in Denver, July 29 through Aug. 2.

Edward Maginn, associate professor of chemical engineering, gave an invited lecture entitled "Thermophysical Properties from Molecular Simulation: Methods, Applications and Insights" at Georgia Institute of Technology, Atlanta, Oct. 10, and at Brigham Young Univ., Provo, Utah, Oct. 25.

Richard P. McBrien, Crowley-O'Brien Professor of Theology, presented "The Papacy: Past, Present, and Future" at the Call to Action National Conference, Philadelphia, Sept. 15; "The Professional and Publishing Role of a Theologian" at the S.T. Colloquium, Notre Dame, Sept. 18; "Ecclesiology," "Magisterium," and "Religion and Politics" at the Hesburgh Center for Continuing Formation in Ministry, Catholic Theological Union, Chicago, Sept. 27-28; and "The Saints: An Ecclesiological Reflection" at the annual Robert Cardinal Bellarmine Lecture, Saint Louis Univ., Oct. 11.

Ernan McMullin, O'Hara Professor Emeritus of Philosophy, presented "Evolution as a Christian Theme" at the Univ. of Chicago, April 5; "Biology and the Theology of the Human" to the Lumen Christi Institute, Univ. of Chicago, April 22; a five-day seminar for Baptist faculty at the Moreau Seminary, Notre Dame, May 21-25; "Anthropic Explanation in Cosmology" and (with **James T. Cushing**, professor of physics and philosophy) "Physics and Free Will" at the Templeton Summer Workshop on Science and Religion, Oxford; "Catholic Perspectives on Evolution" at a meeting of the Bishops' Committee on Science and Values in Washington, D.C., Sept. 8; "Revisiting Aristotle's Four Causes" at the International Symposium on Aristotle Today at Naoussa, Greece, Sept. 22; and "Searching for Consonance" at the dedication of Malloy Hall, Oct. 17. He also was a member of a

panel at a symposium on "The APA after 100 Years" at the annual meeting of the American Philosophical Association, Minneapolis, May 5.

Rev. John P. Meier, professor of theology, gave the annual Burke lecture on "Jesus the Jew—But What Sort of Jew?" at the Univ. of California, San Diego (La Jolla) on Oct. 25.

Dan Meisel, director of the Radiation Laboratory and professor of chemistry and biochemistry, presented "Radiolytic and Chemical Processes in High Level Nuclear Waste" at Indiana State Univ., Terre Haute, Oct. 23-24.

Simon M. Pimblott, associate professional specialist in the Radiation Laboratory, presented "Radiolysis at Elevated Temperatures" at the fall ACS meeting in Chicago, Aug. 27-30; "Radiation Chemistry of Heavy Ion Tracks," coauthored by **Jay A. LaVerne**, professional specialist in the Radiation Laboratory, at the 13th Symposium on Microdosimetry in Stresa, Italy, May 16 through June 2; "Attenuation and Trapping of Low Energy Electrons," coauthored by Jay A. LaVerne, at the Radiation Research Society meeting in San Juan, Puerto Rico, April 22-27; and "The Chemistry of Low Energy Electrons in Radiation Damage" at the Miller Conference, Bowness, U.K., April 7-12.

Joseph M. Powers, associate professor for aerospace and mechanical engineering, presented "Wavelet Adaptive Multilevel Representation (WAMR) and Intrinsic Low Dimensional Manifold (ILDM) Methods for Reactive Flows" at the AMFLOW 2001 Conference, Heidelberg Univ., Germany, Oct. 22-24.

John E. Renaud, associate professor of aerospace and mechanical engineering, presented an invited seminar, "Advances in Experimental Design for Trust Region Managed Approximate Optimization" at the Univ. of Florida, Gainesville, Oct. 19.

Dennis Snow, professor of mathematics, presented "The Role of Exotic Affine Spaces in the Classification of Homogeneous Affine Varieties" at the international conference on "Interesting Algebraic Varieties Arising in Algebraic Transformation Groups Theory," the Erwin Schrodinger Institute for Mathematical Physics, Vienna, Austria, Oct. 20-27.

James VanderKam, O'Brien Professor of Theology, presented the Otts Lectures, "The Dead Sea Scrolls and the Old Testament" and "The Dead Sea Scrolls and the New Testament," at Davidson College, N.C., Sept. 19-20; "When Archeology Talks Back" at Calvin College, Grand Rapids, Sept. 29; a response to J. Strugnell, "Fifteen Theeses in Search of a Cathedral Door," at the Law of Nature conference, Notre Dame, Oct. 1; "Covenant and Pentecost" at the Calvin Theological Seminary, Grand Rapids, Oct. 5; and "Archeology and the Bible" and "Between the Testaments" at the Christian Educators Association 2001 Convention, South Bend, Oct. 18.

Randall Zachman, associate professor of theology, presented "The Lord's Prayer in the Christian Tradition" at the Sunnyside Presbyterian Church, Sept. 16, 23, 30, and Oct. 7; "They Shall All Be Taught By God": Ulrich Zwingli on the Word of God" at Union Theological Seminary, Richmond, Va., Oct. 13; "Building Up the Faith of Children: The Catechisms of John Calvin, 1536-1545" and "Can We Speak Any More of 'The Theology of Martin Luther?'" at the Sixteenth-Century Studies Conference, Denver, Oct. 25-26.

Publications

Patricia Blanchette, associate professor of philosophy, wrote "Logical Consequence," published in the *Blackwell Guide to Philosophical Logic* (Malden, Mass. and Oxford: Blackwell Publishers, 2001): 115-135.

Steven Boker, assistant professor of psychology, published "Multilevel Modeling of Dynamical Systems: Random Coefficients and Order Parameters" in *The Proceedings of the Fifth International Conference on Social Science Methodology of the Research Committee on Logic and Methodology of the International Sociological Association* (Leverkusen, Germany: Leske and Budrich, 2000) with J.R. Nesselroede; "Random Coefficients Models for Control Parameters in Dynamical Systems" with P. Ghisletta in the *Multilevel Modelling Newsletter* 13, no. 1 (2001): 10-17; and "Differential Structural Equation Modeling of Intraindividual Variability" in *New*

Methods for the Analysis of Change, L. Collins and A. Sayer, eds. (Washington, D.C.: American Psychological Association, 2001): 3-28.

Olivia Remie Constable, associate professor of history, published "Reconsidering the Origin of the Funduq" in *Studia Islamica* 5, no. 92 (2001): 195-196.

Roberto DaMatta, Joyce Professor of Anthropology and fellow, Kellogg Institute, published "Globalização e Identidade Nacional: Considerações a partir da Experiência Brasileira" in *Pluralismo Cultural, Identidade e Globalização*, C. Mendes and L.E. Soares, eds. (Rio de Janeiro: Record/UNESCO/Educam, 2001): 168-181.

Georges Enderle, O'Neil Professor of International Business Ethics, published the Chinese translation of the (German) *Encyclopedia of Business Ethics*, G. Enderle, K. Homann, M. Honecker, W. Kerber, and H. Steinmann, eds.) with the Shanghai People's Publishing House.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, wrote "Nanostructured Fullerene Films," published in *Advanced Materials* 113, no. 21 (2001): 1614-1617.

Edward J. Maginn, associate professor of chemical engineering, coauthored "Solution Thermodynamics of Imidazolium-based Ionic Liquids and Water" with J.L. Anthony and **Joan F. Brennecke**, professor of chemical engineering, published in the *Journal of Physical Chemistry B* 105 (2001): 10942-10949.

Richard P. McBrien, Crowley-O'Brien Professor of Theology, wrote "Caesar's Coin: Religion and Politics in America," published in *The Catholic Church, Morality and Politics*, C.E. Curran and L. Griffin, eds. (Mahwah, N.J.: Paulist Press, 2001): 45-59.

Ralph McInerny, Grace Professor of Medieval Studies, director of the Jacques Maritain Center, and professor of philosophy, published "Peter Abelard" and "Thomas Aquinas, Saint" in the *Encyclopedia of Ethics* Second Edition, L.C. and C.B. Becker, eds. (Routledge, N.Y.: Garland Publishing, 2001): 1-2 and 1708-1711.

Ernan McMullin, O'Hara Professor Emeritus of Philosophy, wrote "The Impact of Newton's *Principia* on the Philosophy of Science" and "Response to Commentators," published in *Philosophy of Science* 68 (2001): 279-310 and 339-345.

Rev. John P. Meier, professor of theology, wrote "Jesus, the Twelve and the Restoration of Israel," published in *Restoration: Old Testament, Jewish, and Christian Perspectives* JSJ Supp 72, J.M. Scott, ed. (Leiden: Brill, 2001)" 365-404.

Aideen M. O'Leary, assistant professor of history and fellow of the Keough Institute, wrote "By the Bishop of Babylon? The Origins of the Collected Latin Apocryphal Acts of the Apostles," published in *The Legacy of M.R. James*, L. Dennison, ed. (Doncaster: S. Tyas/P. Watkins, 2001): 128-38.

John E. Renaud, associate professor of aerospace and mechanical engineering, coauthored "Sequential Approximate Optimization Using Variable Fidelity Response Surface Approximations" with J.F. Rodrigues, V.M. Perez, and D. Padmanabhan, published in *Structural Optimization* 22, no. 1 (Aug.)

Administrators' Notes

Honors

Alan Bigger, director of Building Services, was installed as president of the midwest region of the Association of Higher Education Facilities Officers at MAPPA's annual meeting, Madison, Wisc., Oct. 30.

Activities

Ian Duncanson, staff professional specialist in the Radiation Laboratory, presented technical demonstrations at the midwest section meeting of the American Scientific Glassblowers Society in Milwaukee, Oct. 6.

Publications

Alan Bigger, director of Building Services, wrote "Zero Tolerance: Safety and Ergonomics in the Workplace," published in *Commercial Floor Care* 1, no. 3 (2001): 28-30; coauthored "Dispensing with Technology: Providing Design Solutions" with L.B. Bigger, *ibid.*, no. 4: 12, 14, 16, 18; and "The Quality Goes In Before Your Name Goes On" with L.B. Bigger, published in *Executive Housekeeping Today* 22, no. 11 (Nov.): 5-6, 24.

Documentation

President's Address to Faculty

October 2, 2001

I would like to do two things this afternoon. First, I want to offer my personal reflections on the events of September 11 and its aftermath, particularly regarding how we as a university community might think about making our resources and intellectual strengths available to the broader world. Then I would like to say something about the strategic plan of the University, which is now underway. This first section will be a little kaleidoscopic and impressionistic, but having just read this afternoon the second in a series of reflections in the *Chronicle of Higher Education* of academics from around the country thinking about the meaning of these events and their implications for the work that we do and for the world we live in, I'd like to offer some reflections of my own.

A few years ago, I had the opportunity to accompany the late Tom Coleman, one of our Trustees who also was a member of the Board of the New York City Police and Fire Departments, on a late-night trip with one of his friends. This gentleman's responsibility was to anticipate potential disasters in New York City and to oversee and coordinate the response of the various units of the city government and, in a sense, just to live on adrenaline, which I think he did. He picked us up at about 10 p.m., and we went riding until 3 a.m. At about 1 a.m. we were out in the Bronx near Fordham University when a call came in about a fire in the World Trade Center. We did a sort of "French Connection" passage down FDR Drive and made our way to the World Trade Center.

I have two vivid memories of that occasion: The first is of arriving at the bottom and simply looking up and imagining what it would have been like if this fire—which was not evident—really took off. There was a sense of being overwhelmed by the sheer size of the facility and the complication of dealing with any emergency there. The second memory is the sight of hundreds of arriving firefighters, the minimum response to a fire in a huge facility like that. As I began to watch the events of the 11th, those images came back to remind me of what was involved and the sacrifices that were made.

I grew up in Washington, D.C., and I have given thousands of tours to visitors there. I pride myself on my knowledge, not only of the fundamental tourist areas, but also of the intricacies and subtle details of the city and its life. I have often passed by the Pentagon, that symbol of military might, and I have flown over it often, as I'm sure many of you have—the route from the north on to the runways of Reagan National Airport.

Last week I had two occasions to visit Washington. On the first, I stayed at the LaFont Plaza Hotel, and my room had a balcony facing the river, the empty airport and, beyond, the Pentagon. There were no planes on the airport runways. I saw one lonely helicopter patrolling. Later that night I saw Air Force One taking off from Andrews Air Force Base. On my second visit last week we had a meeting in Rosslyn, right across the Potomac River from Georgetown. At a social event on an open balcony of the building in which we met, there were two telescopes focused on that part of the Pentagon that had been directly hit and damaged, and, like curiosity seekers everywhere, I couldn't restrain myself from simply looking through the telescope lens to see what I had seen on television countless times already. The vivid image in the telescope made it all even more real.

We lost one Holy Cross priest from the Eastern Province who was a passenger on the plane that crashed into the Pentagon. We also lost a former seminarian I had taught, a lieutenant colonel stationed there. One of my college basketball teammates here at Notre Dame, Armand Reo, lost his son and his son-in-law. A number of Notre Dame people—far fewer than I originally feared—were affected in their families or in their extended families. We clearly need not go to the sixth degree of separation in order to see ourselves emotionally bonded with those horrible events.

So, what did we do in response? We tried to pull together. We made a decision almost immediately following the attacks to call off classes. We declared a day of prayer. We tried to consider all the dimensions of the disaster, and to call upon the goodwill of so many of you. We wanted to be prepared to counsel and comfort those who were

grieving and anxious, and so, in the University Counseling Center, in the dorms, in Campus Ministry, using all the resources of the Office of Student Affairs, we began to prepare.

Through e-mail and voice mail we tried to mobilize the faculty to provide in University classrooms an organized way for people to speak from the heart, from their own sense of puzzlement and confusion, to provide some context within which people who had never faced anything so dramatic and earthshaking might come to grips with what was happening.

Of course, many of you, if you were not there, heard about the 3 p.m. Mass that day on the South Quad. In my experience at Notre Dame, as a student, as a faculty member, as a dorm resident, and as an administrator who has attended all kinds of memorable events, none has seemed to me as vivid and powerful as that one.

We wanted to be sure that the University would be a place where people could begin to converse about the complexity, not only of the events themselves, but also of the various responses that might follow in their wake. Panel discussions were organized and, even though I was not able to be there myself, the feedback that I received was very positive.

We made a judgment, in consultation with Purdue University and other members of the Big East Conference, not to play a previously scheduled football game, and we began to prepare for our first home football weekend the following week. One of our concerns was to insure that security was appropriately heightened, so we brought in outside people to assist our own security personnel. Fortunately, everything went smoothly, but we wanted to make sure that we had prepared well. We had, I think, very powerful pregame and half-time ceremonies. I have received many positive letters and other forms of communication from those that were present in the stadium or watched on television. At the end of the first quarter, our Student Government, assisted by the stadium ushers, took up a collection for the families of those who had been killed. It reaped about \$270,000, which, supplemented by campus Mass

collections and money raised in a special T-shirt sale, has enabled the University to donate \$357,000 in relief.

We also tried to make sure that we were providing up-to-date information about what had taken place and which Notre Dame people were affected. This was complicated by the uncertainty of the fate of so many people in the World Trade Center. Understandably, families wanted us not to be premature in saying anything definitive. So we were reluctant to provide specific names except when the evidence was overwhelming and the information could be released with full family approval. Now, of course, such information has been made fully available on the Notre Dame home page for those desiring to respond and to console grieving friends and relatives. We also wanted to make sure that our students from other parts of the world and other religious heritages felt comforted, protected, and supported and that they were guaranteed an environment not only of rationality and sanity, but also of welcome and support. Last, we tried to make sure that our students studying in other countries—and their parents—were made aware of the potential risks to all Americans living abroad and that they kept in touch with each other and with the directors of their programs. We were able to tell parents that we had no reason to fear that we had no indication from any source that there was any threat directed at those who were studying abroad.

There were other important things going on, many which were your own initiatives. I am just cataloging a few. But I am very proud of our response as a community. I think it was appropriate. It was sensitive. It was well done.

What happens now? How do we think about the role of a university community in the face of events that boggle the mind and heighten levels of fear and concern at the national and international level? One of the things the nation has been struggling with is the role of the public intellectual.

This is the subject of an ongoing discussion on campuses nationwide. I don't intend to argue for a rush to relevance, or to suggest that everybody ought to pretend to a level of competence, insight, or prophetic skill beyond our own

training or set of circumstances. Nevertheless, some among us have, in fact, become available to speak from our expertise—whatever its limitations—to try to help make sense of a very complex and sometimes dimly perceived set of circumstances. What I hope will happen here at Notre Dame in the coming weeks and months is that more of us will recognize appropriate ways to respond thoughtfully out of our expertise and concern. Let me suggest a few: The first way regards the role of religion and the different religious traditions, especially Islam and the other religions of the Book. We have many on our faculty who have spent their scholarly careers studying Islam and its relationships to Judaism, Christianity, and other world religions. We know that there are intimate historical connections among Judaism, Christianity, and Islam. Many themes and personages share a sacred status in each of these religious heritages, but there is a pervasive ignorance in much of our society about Islam as a religion. We have a chance, it seems to me, to foster an intelligent and thoughtful conversation about respective religious traditions—their histories, their interactions, the different ways in which they are structured, their authority figures, and their internal movements.

A significant aspect of that conversation is the growing interest in a theme that is sometimes described as "fundamentalism." Several members of our University community do sustained comparative research on this topic. It seems to me that Notre Dame, as a Catholic university with a manifest religious affiliation, is a particularly appropriate venue for that conversation.

Much scholarship here concerns the broad movement called "terrorism." Even in the Christian scriptures, there are descriptions of terrorist activity directed against the Roman Empire and its representatives. This is not a new phenomenon on the world scene. What is particularly perplexing is not so much the forms of terrorism and the books of instruction as the international cooperation among various movements that share various kinds of death-dealing schemes and capacities with one another. Terrorism in the modern world has describable historical roots and

characteristics to which renewed scholarly attention is now being paid. There is a revisiting of questions about cities and how they are organized, and about urban architecture and the function of high-rise buildings—not only what they state architecturally, but also the problem of enclosing numbers of people in a confined space and the difficulty of egress in emergencies. In today's Chicago newspapers, for example, there were numerous expressions of concern about the safety of the Sears Tower.

There are new questions about transportation. I spend much of my time in airplanes and am a comfortable flyer. Many people are not, and many now have second thoughts about the relative safety of airline transportation. Can we strengthen airport security systems in airports and control complex logistical operations in some thoughtful way, which at the same time does not so inhibit air travel that it destroys the industry? There is the question about the relative safety of different forms of transportation. It is interesting that we have about 50,000 deaths a year in automobiles in this country and yet most people get into a car without being terrified. How are we to keep a sense of perspective, proportionality, and relative threat, especially in a large country in a very large world where people take for granted the easy flow of populations?

There are questions about the communication industry in which many of our faculty have expertise. So many of the heart-rending dimensions of the stories of September 11 involve cell phones or those phones available on the backs of airplane seats. There are questions about video cameras and the desire to record tragic or important events, often at great personal risk.

There are questions about the function of television. It seems that most of us were riveted to our television sets. This was a made-for-television series of events with dramatic pictures and commentary. There are questions about the function of the all-news networks. The desire to get the hottest leaks and stories generated much false information, which was passed on and accepted as fact.

There are questions about fear mongering. On the weekends, I go to Osco's to buy the weekend newspapers, and I always glance at those little tabloid newspapers at the checkout counter, like the *Star* and the *National Enquirer*. They have a field day when it comes to this sort of thing. The buying and selling of gas masks indicates and fosters a new level of fear of many technologies that have been available for most of the modern era.

There are questions about the function of leadership in a time of crisis. There have been appropriate celebrations of the roles of Mayor Giuliani and Governor Pataki and praise for the speech that President Bush made to the combined sessions of Congress. There are questions about role of advisors and special experts. There are questions about the demand for instant governmental response. I find it interesting that many people who advocate government downsizing and simplification of tax rules and reduction of taxes also expect instant response to this emergency from government at all levels, which presumes a huge and expensive centralization.

There are questions about immigration. People on our faculty have written extensively about immigration policies, the status of legal and illegal visitors, the increasing reliance on illegal workers in the modern economy of this country and others, and population flows generated by famine, natural disasters, and the vast disparities of wealth and poverty.

There are questions about the nature of humanity. Last weekend, in welcoming participants to an academic conference on natural law, I reflected on Joseph Conrad's language in *The Heart of Darkness*, especially that memorable exclamation "the horror! The horror!" which was echoed in the film *Apocalypse Now*. In some sense, these recent events provide a glimpse into the interior of the human self and a discovery of its capacity for evil, and the rawness, the human destruction of which we human beings are capable. How do we protect one another, the innocent, and the young, from the evil that might be done to them? How do we hold people, including political and military leaders, responsible for the evil that they do?

There are questions about the notion of heroism. Some have called the present age the era of the anti-hero. That seems to have changed, as New York City has much maligned police and firefighters have emerged as heroic figures. How do we account for that sudden recognition? Airplane passengers apparently chose to resist and to lay down their lives rather than to allow their airplane to become a weapon of mass destruction. There were victims helping fellow victims, many of them Notre Dame people. There were displays of instantaneous judgment that gave way to heroism.

There are questions about international relations and the roles of the United Nations and of the United States. How has the image of the United States led to a pervasive sense of hatred in other parts of the world? Is it simply its status as the sole superpower? Is it a function of conflicting interpretations of history? There are questions about violence and appropriate responses to violence in Christianity and in the other world religions. Pacifism and opposition to state violence in any form have often been both theoretical and practical responses to these sorts of situations.

The just war theory has had a more prominent historical status, particularly in the Catholic tradition. The notion of a legitimate holy war seems to have been abandoned by that tradition after the horrors of the Crusades, but it may well have been revived, at least in some parts of other religious traditions.

There are questions about civil rights. To what extent ought we to guard against overreaction to crises? Could our near despair about safety and security overturn well-established and legitimate protections of civil rights? Many of our faculty have studied and reflected on these matters.

There are questions about the economy in the aftermath of the attacks. Will an economic recession follow all this? What will its impact be, not only on this country, but on the rest of the world as well? How will we recognize and deal with our economic interdependency?

There are questions about grieving. We have faculty experts on how people come to grips with emotional distress. How can we be of assistance to those in

our midst who carry heavy burdens at this time? How can we reach out to the children and the families of the Notre Dame community? How do we picture the world in ways that do not lead to unnecessary fright?

There are questions about patriotism. We are witnessing a revival of patriotism. There is a proliferation of flags and patriotic songs and a celebration of the common national life. While this can be legitimately described as a virtue, it also can be described as leading to an excessive response in a time of crisis. How is one to be a loyal and true citizen participating in a particular system of government while remaining alert to the ways that such allegiance can distract or mislead us?

There are questions about the scientific feasibility of atomic, bacteriological, and chemical warfare. Our concerns about preparing for such a thing bring to mind the civil defense movement of the 1950s and 60s. Does this need to happen again? Many faculty members who are conversant with the complicated science involved in all of this can help us think it through.

There are questions about geography. Where in the world is Afghanistan? How many people had to look at a map to find out where Afghanistan is and what neighboring countries surround it? Some people cannot pronounce the names of those countries, let alone understand something of their history and their culture.

Perhaps most importantly there are fundamental questions about the meaning of life. How many of us have thought in recent days about the meaning of life, about what we do, about whether or not it is worthwhile, and about the appropriate use of our time? When people on those planes knew they were doomed, did they call their office? No, they called home. They called their loved ones. They said words of love and consolation and support and thankfulness. It is a vivid reminder of our precarious existence in this world, our mortality. To what do we give priority? To what extent are the people of our life truly at the center of our life? What is death? How does it threaten us? If we are religious, what does it mean to talk about life-after death? How does that influence the way we see death in

this world and the way we see evil and deal with it? How essential is material happiness? Can you take it with you? Can you pass it on? I hope that we here can have an ongoing conversation about these things. I hope that each of us—from our humanity, from our thoughtfulness, from our desire to befriend—can help the community to press on and come to grips with what we now face.

Now let me talk about the strategic planning process, which is a whole different world but one that is important for the next stage of our development as a university. Every 10 years, approximately, we begin a cycle: First, there is an internal planning process during which we try to engage the reflection of the entire University community. This process is organized and facilitated by various committees that compile a report, which is then made available, along with supplementary material, for the institutional accreditation visit from the North Central Association.

The process also leads to a fund-raising campaign statement, prepared in collaboration with our chief development people, and eventually to a fund-raising campaign.

We have had the good fortune in past such efforts to have a broad, widespread, thoughtful and creative participation in the process. We have had realistic goals, worked hard, and received generous support from our benefactors. Therefore, I believe we have been able to make great progress as a university, and, of course, that is the spirit in which we hope to enter this strategic planning process again.

I have established and will chair a coordinating committee with the following members: Nathan O. Hatch, University provost; Rev. Timothy R. Scully, C.S.C., executive vice president; Rev. Mark Poorman, C.S.C., vice president for student affairs; Scott C. Malpass, vice president for finance and chief investment officer; John F. Affleck-Graves, chairperson and professor of finance; Naomi M. Meara, Dreux Professor of Psychology; Alex J. Hahn, chairperson and professor of mathematics; Robert D. Bretz Jr., chairperson and professor of management; Jay H. Tidmarsh, professor of law; R. Scott Appleby, Regan Director of the Joan B.

Kroc Institute for International Peace Studies; Joan F. Brennecke, professor of chemical engineering; Frances Hagopian, associate professor of government; and Matthew Cullinan, my executive assistant, who will serve as facilitator.

The purpose of the coordinating committee is to set the contours of the conversation, to identify the planning units, and to provide material for the planning units from four other committees, the concerns of which will be the curriculum; finance and fund-raising; research, priorities and challenges; and the future of higher education. Rev. John I. Jenkins, C.S.C., vice president and senior associate provost will chair the curriculum committee. The finance and fund-raising committee will be chaired by Scott Malpass, vice president for finance and chief investment officer; the research, priorities and challenges committee will be chaired by Jeffrey C. Kantor, vice president and associate provost and professor of chemical engineering; and the future of higher education committee will be chaired by Carolyn Y. Woo, dean of the Mendoza College of Business.

The colleges and other units will have primary responsibility for reflection and for recommendation. The coordinating committee will try to identify those natural units. One might think of the library or computing, for example, as units. One might think of matters related to student life as a unit. One might think of matters related to athletics as a unit, and so on. We want to be sure that all in the University—students, faculty, and staff—have an opportunity to speak out of their experiences, their desires, and their aspirations. The consultation will go on from the beginning of this spring semester through October of the following academic year. The goal will be to have reports from all of the units available by next year around October or the fall break. That material will then be brought together and we will try to move in a winnowing sort of way toward a final document for the May meeting of the University's Board of Trustees in 2003.

This means we have approximately a year and three quarters to complete the process, but I ask for your patience, your goodwill, and your thoughtful contribution.

Now, let me suggest some sweeping issues to which we might want to give some attention. The first has to do with the nature of interdisciplinary work. To what extent is the present department, college, institute, and center structure sufficient for our purposes? How do we foster, facilitate, and engage in interdisciplinary work when the inherent structures of the University seem to inhibit it? We ask your wisdom and reflection for that whole area.

Another issue has to do with the future of the libraries. This includes books, monographs, and electronic forms of information, data storage, and retrieval. In our present mode, we are trying both to do historical and traditional things and to take on the new challenges of electronic communication technologies. I think we need much help on the issues arising from this conflict.

Computing is one of the great assets of contemporary university life and one of the great bugaboos. We have whetted the appetites of everyone—faculty, students, staff, and administrators. We are all looking for perfect systems, not only internally in our various units, but also in interacting with one another. Having whetted the appetites and having recognized the costs, we may very well need to make hard decisions along the way about allocation of resources in this area in which everybody has a vested interest. This will require thoughtful, helpful, insightful reflection from all of us.

Another issue is the cost, focus, scale, and reputation of graduate education and research at the University. The very structure of Notre Dame puts us at a disadvantage since half of our faculty are in the College of Arts and Letters, and much of the government-funded research is directed to science, engineering, and some areas of academic engagement not available here. I think we're really situated to make our mark in graduate research and education, but deciding how to balance that with all the other things we try to do is going to take great wisdom.

Another issue is the number of faculty. The easiest thing in the world is to say that we need more faculty. We need more faculty in my department, my college, my field. I need more colleagues; we need more faculty because we want

more graduate students. We need more faculty to reduce the teaching load. We need more faculty to provide specialized expertise. What we have not done very well in the last few planning efforts is to determine how much a new faculty member costs and where new faculty members should be distributed. To add a new faculty member in some parts of the university is to significantly increase capitalization costs. To add new faculty in some other parts is to add significant new needs for library development or data banks or other kinds of research infrastructure support. When faculty numbers increase to certain levels, we need new buildings, and we need to pay for the heat and the light and the staff to maintain those facilities. I think we need to be more thoughtful and more realistic in our projections about what new faculty positions will entail.

A crucial issue is Catholic intellectual life. It is one of those themes on which we reflect periodically. To what extent are we a university where some unified theory of knowledge is possible? All of us know the skepticism about that kind of claim, yet I believe that we can interact with each other and understand what other members of our faculty and community are engaged in. What is the relationship between one search for the truth and another? How can we find a common vocabulary? How can we understand the methodological difficulties involved in that kind of pursuit? We claim, through our core curriculum and in other structural ways, that we want to attend to the personal, social, aesthetic and spiritual dimensions of learning. That presupposes that all these factors are somehow related to each other. As we open a new performing arts center, I presume that this facility ought to contribute in some way to the Catholic intellectual life of the University, but how do we describe what we expect?

Finally, to what extent is ethics a centerpiece of all this activity?

Many of our units, when trying to respond to the question "what does it mean to be a major academic entity in a Catholic university," have replied, "that we worry about questions of value and questions of ethics." As an ethicist, I am very sympathetic to that view, but I am reluctant to reduce this whole conversation to ethical questions.

I am sure you could come up with five or 10 or 15 or 20 more broad areas that we need to take into account in the strategic planning process, but it has, in any event, begun. I ask for your enthusiastic support and contribution.

A word about financial aid: One of the reasons we have an excess number of first-year undergraduate students is our improved financial aid situation. I think this is one of the areas in which we have made the greatest progress, and it is beginning to improve in graduate education and in the professional schools as well. I am very proud of that.

I am also proud of the number of new faculty that Nathan and his colleagues and I have been able to welcome this year. These are signs of life, vitality, and new perspectives.

We have a number of new facilities begun, finished, or on the drawing boards. The mathematics and international studies offices are now attractively housed in the Hayes-Healy and Hurley buildings. Malloy Hall has been well received by the theology and philosophy faculty housed within it.

It will be dedicated on October 18. An addition to the Hesburgh Center for International Studies will give the Kroc and Kellogg Institutes additional office space. An addition to Stepan Chemistry Hall will enable the expansion of research space for the faculty in the Chemistry Department. The renovation of the Hesburgh Library is much needed and will require patience of all of us. We also need additional short-term housing for visiting faculty in the Fischer-O'Hara Grace area. We have had the groundbreaking for the new performing arts center, and we have the funding in place for the science teaching facility. We have leveled ground on the corner of Notre Dame and Angela for what will soon become the Indiana University-Notre Dame Medical Research facility, and we have announced plans to expand the space for the College of Engineering and the Law School. We have begun to talk about a new hotel to replace the Morris Inn. We also have looked at parking, which is, of course, the most perplexing issue in the modern university. But we are trying to do our best with that.

Let me say before I close that there will be a lecture here in this room on October 29 at 7:30 p.m. by a man named Richard J. Light, who wrote a book I recommend, called *Making the Most of College*. There are some free copies available in the hallway for those who might be interested in reading the book as a preparation for participating in a conversation that we hope will be a lively one. He has conducted interviews with a cross section of students nationwide and has a lot of good advice. His lecture is being sponsored by the First Year of Studies and by the Provost's office.

Let me conclude. We are experiencing events in our country that continue to attract all of our attention. We are puzzled. We have mourned. We have grieved. We have tried to get on with life, and we have tried to assist one another in that process. I hope that we can continue to engage in a conversation among ourselves in which we can be as reflective as possible about what all of this means and about various strategies for looking at the future. I think that discussion has already begun, and I am confident it will continue in a lively fashion here.

One side result of the catastrophe is the unsettled and sobering condition of the national and international economy. We have recently enjoyed a period of great economic and financial growth. Whether that growth can be sustained over the short term is unknown. But in budget building and strategic planning for this coming year, we need to recognize that we have to face reality and to be sensitive to the circumstances faced by parents, previous benefactors, and future benefactors. We need to live within our means while continuing to have stretching ambitions and responsible priorities for the future.

I remain optimistic and hopeful, not only about this world and this University, but also about this community. I thank you for all you have done in these recent weeks. It has made me intensely proud to be a part of a community of people who care for and support one another in a time of need.

May that always be true of this place we call Notre Dame.

Thank you very much.

Academic Council

August 30, 2001

Members Present: Rev. Edward Malloy, C.S.C., Nathan Hatch, Rev. Timothy Scully, C.S.C., John Affleck-Graves, Rev. John Jenkins, C.S.C., Maura Ryan, Jeffrey Kantor, Rev. Mark Poorman, C.S.C., Eileen Kolman, Patricia O'Hara, Mark Roche, Jacqueline Brogan, Melissa Rauch, Sonia Gernes, J. Robert Wegs, Joan Aldous, Susan Blum, Cornelius Delaney, Vittorio Hösle, Umesh Garg, Mitchell Wayne, Edward Conlon, Robert Bretz, Jay Tidmarsh, Alan Krieger, Kenneth DeBoer, Ava Preacher, Sonja Mapes, Stephanie Arnett

Members Absent: Ikaros Bigi, Dino Marcantonio, Samantha Schmid

Members Excused: Francis Castellino, Carolyn Woo, Jennifer Younger, Patricia Blanchette, Teresa Ghilarducci, Joseph Powers (in London fall semester), Panos Antsaklis

Observers Present: Mary Hendriksen, Col. Mark Gehri, Harold Pace, Dan Saracino, Tom Laughner, Julia Dayton

Observers Excused: Dennis Moore

Guests: James Lyphout, vice president for business operations, Douglas Marsh, University architect, and Michael Seamon, executive assistant to Fr. Scully; John Uhran (sitting in for Frank Incropera) and Dennis Brown (sitting in for Dennis Moore)

Prof. Hatch opened the meeting at 3:35 with a prayer.

Fr. Malloy explained that the main task of today's meeting is to elect the members of the Executive Committee. At the next meeting, he and Prof. Hatch will make their presentations about developments at the University over the summer, plans for the new academic year, and the initiation of the University's new strategic planning process.

1. **Remarks of Prof. Hatch.** Prof. Hatch reviewed some senior administrative changes that occurred at the University in the spring and summer. Among Academic Council members, John Affleck-Graves joins the Provost's Office as vice president and associate provost, and Jeff Kantor is now vice

president of Graduate Studies and Research and dean of the Graduate School.

In other appointments, Lou Nanni was named the University's first vice president for Public Affairs and Communications, and Matt Cullinan returned to Notre Dame as Fr. Malloy's executive assistant. Gordon Wishon, who came to Notre Dame from Georgia Tech, began this summer as the University's chief information officer. Because of his responsibility for academic and administrative computing operations, Mr. Wishon reports both to the provost and to the executive vice president. The University's new associate vice president for Human Resources, Robert Foldesi, comes from a comparable position at the University of Iowa, and the new assistant vice president for procurement services (formerly titled director of purchasing), Timothy Gibney held a senior position in that area at the University of Arizona.

Prof. Hatch explained the procedure by which the Academic Council elects five of its members to the Executive Committee. [The Executive Committee convenes before each Academic Council meeting to establish the agenda for the full Council meeting and to discuss issues that have been brought to its attention from other University entities, such as the Faculty Senate. Members of the Executive Committee serve as chairs of the Council's three standing committees.] The Committee consists of the provost, chair; a vice president and associate provost designated by the provost (Prof. John Affleck-Graves); the chairperson of the Faculty Senate (Prof. Jacqueline Brogan); five members elected annually by the Council; and three members appointed from the Council by the President. Prof. Hatch said that any *ex officio* or regular member of the Council is eligible for election and that voting is only by those members, not by observers or visitors.

During the course of the meeting, the Council elected five of its members to the Executive Committee: Professors Neil Delaney, Umesh Garg, Teresa Ghilarducci, Mark Roche, and Carolyn Woo. Fr. Malloy named Prof. Panos Antsaklis, Prof. Jay Tidmarsh, and Ms. Melissa Rauch, academic commissioner from Student Government, to fill the three appointed positions.

2. Presentation by Rev. Tim Scully, C.S.C., executive vice president, on major University construction projects. Fr. Scully introduced James Lyphout, the University's vice president for business operations, Douglas Marsh, University architect, and Michael Seamon, executive assistant to the executive vice president.

Fr. Scully began his presentation by saying that it is truly an ambitious set of construction projects the provost has put forward. Together, the buildings and projects he will describe today represent a commitment by the University over the next four to five years of nearly \$400 million, with almost \$100 million of that in the sciences.

A. Academic Projects Completed in 2001. Fr. Scully described the newly completed Edward C. Malloy, C.S.C. Hall, into which the departments of Theology and Philosophy moved in August of 2001. At the donor's request, the building was named in honor of Fr. Malloy as testimony to his leadership of the University. The structure is 67,500 square feet and was built at a cost of just under \$14 million. It contains 143 new offices, two seminar rooms, and the Chapel of Holy Wisdom, which will be dedicated October 19, 2001.

Fr. Scully also described the newly renovated Hayes-Healy/Hurley Center, now home to the Mathematics Department and International Studies. A particularly striking part of the building is the lower level featuring skylights for the Mathematics library. The renovated building is 71,000 square feet, completed a little under budget at \$8 million, and contains 49 offices and 11 teaching spaces, most of them full-size classrooms.

A third building completed in 2001 is the Coleman-Morse Center, which, Fr. Scully said is rapidly becoming the heart of student life on campus. It contains offices for the First Year of Studies, Campus Ministry, and Academic Services for Student-Athletes, as well as a 24-hour study space for students. The Coleman-Morse Center is 67,000 square feet and built at a cost of \$14 million.

B. Academic Projects under Construction. Fr. Scully reported that projects in this category have all been approved although funding for some buildings must still be completed.

Construction is now underway to enlarge the Hesburgh Center for International Studies by 11,600 square feet through the creation of 28 new offices. Fr. Scully said that because the endowments of both the Joan B. Kroc Institute for International Peace Studies and the Helen Kellogg Institute for International Studies have grown so substantially, the institutes themselves are funding mostly the \$2.7 million addition.

A second project under construction, 24 two-bedroom apartments for visiting faculty, is a project that was particularly advocated by Prof. Hatch. The apartments, located near the Fisher-O'Hara Graduate Residencies, are for short-term use—generally six months to one year. Fr. Scully stated that in the future the apartments may be converted into housing for graduate students and visiting faculty currently housed in another facility close to campus.

C. Academic Projects in Execution. Fr. Scully explained that these projects—in various stages of planning, funding, and construction—are some of the most ambitious projects the University has ever undertaken.

First among them to celebrate groundbreaking is the Marie P. DeBartolo Center for the Performing Arts. Fr. Scully indicated, when completed, the center will truly be a magnificent facility. The project has been a dream of Fr. Malloy's for the last 15 years and represents the commitment during his presidency to enhance the arts at Notre Dame.

Groundbreaking for the center, which will be broadcast live on Regis Philbin's morning television show, is set for Thursday, September 6. (Mr. Philbin, a Notre Dame graduate, has donated \$2.75 million to the Performing Arts Center for the creation of the Regis Philbin Studio Theatre.) The 150,000-square foot building, for which the total projected cost is more than \$60 million, will have five performance venues: a 900-seat concert hall; a 350 seat main-stage theatre, which will have the fly space of a Broadway theatre to accommodate full-stage drops; a 200-seat cinema, which will be used both by Student Affairs and as a teaching arena; a 100-seat studio theatre, to be used by

the Film, Television, and Theatre Department for production workshops; and a 100-seat organ choral hall.

The Chemistry Research Facility, at 15,600 square feet, is the next project slated for groundbreaking. It will provide laboratory and research space, ten faculty offices, and house multiple NMR magnets. After groundbreaking in November of this year, Fr. Scully said he expects construction to be completed in 18 months to two years. The projected cost of the Chemistry Research Facility is \$6 million.

Fr. Scully continued that, like the Center for the Performing Arts, a third building now in the execution stage—the Science Learning Center—is a very ambitious project. This facility is one that has been at the heart of the University's aspirations academically for some time. It presents Notre Dame with the opportunity to make significant advances in the sciences. The administration has selected the site northeast of the stadium and the architect is attempting to determine the construction management firm. Planning with departments has already begun. Groundbreaking is scheduled for the spring of 2003, with a projected completion date of summer 2005. When completed, the 201,000-square foot building will contain 40 undergraduate labs for biology, chemistry, and physics, as well as a greenhouse, an herbarium, an observatory, two 250-seat lecture halls, a 150-seat multi media lecture hall, two classrooms, 22 faculty offices, and the Pre-Professional Studies Office. The cost of the facility is substantial, now projected at \$70 million, but it is being planned as a facility that will still be state-of-the-art for years to come.

A fourth construction project is Phase I of the Hesburgh Library renovation, which will begin in October of this year with removal of asbestos now in the building. Fr. Scully said the administration expects the renovations themselves to begin in May 2002 and to take approximately one year. The renovations involve reconfiguring and opening up the first and basement floors of the Library to make a student life center, as well as making space for the housing of Special Collections, a reading room, and 750,000 volumes of compact shelving.

The cost of the renovations is projected at \$8 million.

Another University project, Fr. Scully continued, involves a partnership with Indiana University to construct the South Bend Center for Medical Education and Transgene Center. To be built at the site of what was the Northern Indiana State Health facility, just south of campus, this building will house the only public/private cooperative M.D./Ph.D. program. It will be 70,000 square feet and cost \$14 million. While it is anticipated that construction of the Center will begin in the winter of 2002-03, because of the partnership with I.U. the timeline for this facility is more difficult to establish.

A sixth construction project involves significant laboratory rehabilitation in the Galvin Life Sciences Building. With a \$2.5 million budget, the University will renovate four labs for parasite research. Two are already completed and the other two will be completed in the next month. In addition, two labs for aquatic research will be completely renovated by January of 2002.

Fr. Scully then discussed the expansion and reconstruction of the Law School—a project that will double the size of the current 100,000-square foot facility. With a projected budget of \$56 million, the expansion will extend the Law School out to the site currently occupied by the Post Office, which the University will need to relocate. While architectural plans are still in development, the present building essentially will be gutted. Its exterior facade and the reading room will be maintained, but the building will house only the Law School Library. The new south wing will contain classrooms and faculty offices. Because the Law School addition will occupy a well-traveled portion of campus, present architectural plans call for pedestrian and emergency vehicle traffic to flow through large arches supporting the new wing.

Fr. Scully said the final project now approved and in development is the Multi-Disciplinary Engineering Learning and Research Center. This is a considerable project that will require relocation of the University Club. (Prof. Affleck-Graves is chairing a committee to explore the future of the University Club.)

The building will be 150,000 square feet and have a projected budget of \$56 million. It will house the Undergraduate Teaching Learning Center, as well as several engineering research facilities, one of which will be the Nanotechnology Center.

D. Academic Projects in the Conceptual Stage. Fr. Scully explained the next set of construction projects are those still in the conceptual stage.

The first is a facility—in development—called the Notre Dame Inn that would replace the Morris Inn as the University's hotel. Fr. Scully said that the Morris Inn, built in the 1950s, has truly been a workhorse for the University and has served it well. While it is structurally sound, the Inn no longer meets the hospitality needs of the University adequately.

The administration's current plans call for the construction of a new inn to be located on the edge of campus in the general area now occupied by the Campus Security Building. That location would allow easy access to the Indiana Toll Road and U.S. Road 933, yet be within easy walking distance of central campus. In addition, it would be near St. Mary's Lake to take advantage of the lake's beauty and character, but set back far enough to preserve the area's bucolic quality. Maintaining the golf course on the other side of the proposed inn, as a nine-hole executive course, also will preserve the green space on this part of campus.

Plans for the Notre Dame Inn call for 220 guest rooms (as compared to 92 at the Morris Inn), as well as 25,000 square feet of conference and meeting space. The conference area would have the technological amenities now required for the kind of conferences the University expects to attract.

Fr. Scully said that plans for the Notre Dame Inn have produced a bit of a domino effect with other buildings, as many of these construction decisions do. The Campus Security Building, constructed in 1945 as a temporary home for ROTC programs, will need to be relocated. The administration is in very preliminary conversations about the construction of a 60,000-square foot multipurpose facility that would be the new home of Security, the Post Office

(the University must locate the Post Office within campus boundaries to preserve its 46556 zip code), and, possibly, some Office of Information Technology functions. The \$10 million budget for such a multipurpose facility is being built into the cost of the new hotel.

In addition to relocating the Security Building, construction of a new Notre Dame Inn requires a decision on what to do with the Morris Inn. On this, there are three or four different opinions. One is to raze it as the location is prime real estate; however, the many construction projects now underway do not allow the University to create yet another from scratch capital project. While tentative, the administration's present thinking is to preserve the Morris Inn for the next decade or so, with a \$7 million renovation to create 93 faculty offices and four seminar rooms. Under this plan, the renovated Morris Inn could also house the displaced University Club in the space now occupied by Sorin's Restaurant.

Fr. Scully emphasized that the project for reusing the Morris Inn is still very much in the conceptual stage. Dean Roche, who soon will be receiving an academic space management plan for the College of Arts and Letters, has some thoughts on how to cluster Arts and Letters faculty. While plans for Arts and Letters faculty offices might include the Morris Inn, reuse of the present building is only in preliminary discussions.

Fr. Scully concluded his presentation by presenting two additional aspirations for the University. First, a major gift, to be announced publicly in the near future, will be made to fund new initiatives within the Institute for Educational Initiatives. While it will be several years before this project is completed, it will help meet some of the Psychology Department's need for space, as well as expand dramatically the University's capacity to secure Catholic school needs. Preliminary plans call for the construction of a 50,000-square foot building with an \$11-million budget.

Second, the Mendoza College of Business has received a gift to construct an area to be called Giovanini Commons in the basement level of its building. This

will be a 10,000-square foot, multidisciplinary and interdepartmental learning space for which construction will begin soon. Projections are for an approximately \$3 million budget and a completion date of 2002.

Fr. Scully thanked Mr. Marsh and his staff for their work on these many construction projects, as well as Dr. William Sexton, vice president of University Relations, who leads the efforts to raise the resources that make the University's construction and renovations possible. He then asked if Academic Council members had any questions about the projects described.

Prof. Brogan expressed concern over parking on campus. In her view, there is not enough parking on campus now, yet she foresees that construction of the facilities described today will reduce even that amount. In addition, present parking configurations often require faculty and students to walk very long distances to classrooms and offices. This is a particular hardship for those struggling with a physical disability and often makes it difficult to arrive for classes on time.

Fr. Scully replied that parking is one of the two or three top concerns of campus planners. He indicated there is a real effort to focus on parking within the major strategic plan he has been working on developing for the campus. The consulting firm of Ayres/Saint/Groves has been hired to take a careful look at the University's current and future parking needs. With its help, his office will be asking all departments for input over the next ten months as the softscape, hardscape, parking, traffic, and vehicular issues of the campus are studied. Members of the Facilities staff will come before the campus community in the spring with a set of proposals that will include student, faculty, and staff parking. In addition, he expects that all the access points to campus will be redesigned, including Notre Dame Avenue.

Fr. Malloy commented that one of the concerns discussed at the officers' level is that eventually the University will run out of land.

Parking is one dimension of that problem. Of course, many urban universities have already run out of land and

parking space. As these institutions have done, Notre Dame must confront the question of whether parking should be spread out horizontally or stacked vertically. It is very expensive to provide parking in structures, particularly in an environment with harsh winters. Also, because Notre Dame is a heavily residential university, a unique set of issues exists with regard to parking. All this must be factored into decisions.

In regard to the construction projects generally, Fr. Malloy said that he was very pleased with the hard work that has gone into responding to so many University needs simultaneously. Some in the University community may not see their particular project on the current slate, but he hopes that they will recognize that it is probably next in line. As was said in the last development campaign, people and programs, in the end, count the most. The discussion today has not been about people and programs, but about the places that house them and that provide the equipment and academic resources they need. He invited Academic Council members to bring "big picture" questions and comments to the group's next meeting—the retreat meeting—and to take advantage of today's speaker and guests to ask specific questions regarding construction on campus.

Prof. Delaney asked if any chance existed of closing Juniper Road to automobile traffic.

Fr. Scully replied that he did not know the answer to that question. New campus expansion will be to the east, making the question of closing Juniper Road critical. Last spring, the University did a traffic count on Juniper and conversations with local officials and the community are only in their initial stages. The University is currently working with St. Joseph County officials and the Michiana Area Council of Governments on formulating its proposal. Lou Nanni, vice president of Public Affairs and Communications, is working hard to gain the community's support of a set of proposals regarding traffic patterns at Notre Dame. There will be public hearings, both off and on campus, concerning the proposal. If area governments decide to accept the University's proposal, it will require some reconfiguration of adjoining roads so that

neighborhood residents, as well as faculty and staff, are not inconvenienced.

Fr. Scully said his biggest concern over parking is student safety. The new buildings will increase the crossings of Juniper Road by multiples per day. He worries about numbers of that magnitude crossing a road with heavy traffic.

Prof. Blum asked if a train or shuttle service has been considered for the campus.

Mr. Lyphout answered that the necessity and feasibility of some kind of shuttle is one of the issues being studied by the University's traffic consultant.

Prof. Hatch commented that Emory University, located in a much more urban setting than Notre Dame, had significant parking problems. Administrators there built a very large lot on the edge of campus and initiated a sophisticated shuttle service to central campus.

Fr. Scully said that the University's consultant has implemented five or six very successful parking and transportation plans for campuses much larger than Notre Dame. He is confident that the firm will propose a workable plan for the campus. Members should realize that this is a thorny issue. Different constituencies place different values on proximity of parking. Some in the University community are 20 years old and healthy and do not use their cars every day. Others have different physical characteristics and transportation needs.

Fr. Scully continued that there may need to be some kind of priority setting by way of fees to filter the demand for parking. As it is now, parking at Notre Dame is extremely inexpensive compared to other institutions. As an example, Yale and Stanford, just two institutions faced with parking problems, decided to enhance the paychecks of faculty who do not bring a car to campus.

In connection with the discussion of parking, Fr. Malloy commented that one of the University's faculty members, now retired, was a great advocate of bicycling on campus.

Prof. Aldous asked if the plan showing how the campus will look with all the new construction, with the addition of a

listing of some of the problems it raises, could be sent to all faculty members. Some faculty members might very well have good solutions to the problems with which planners are faced.

Fr. Scully thanked her for the suggestion. This fall, the campus planning firm will be dividing the campus into four quadrants and gathering with departmental stakeholders in each of the quadrants to discuss planning issues. Faculty will be included in discussions about how this process will work, giving many an opportunity to meet face to face with the consultants.

Before adjourning the meeting, Fr. Malloy said it has been the practice of the Academic Council to cancel meetings when committees did not have sufficient material to bring forth for discussion and resolution. This year, if there is not enough content from the committee work to occupy a meeting, he would like to use the scheduled time to make presentations such as the one given today. This maximizes the exchange of information and discussion about the multiple dimensions of the University and allows decision makers to take full advantage of the presence and counsel of Academic Council members.

There being no further business, the meeting was adjourned at 4:45 p.m.

Respectfully submitted,

John Affleck-Graves
Secretary

Departmental Awards Received and Proposals Submitted

In the period October 1, 2001 to October 31, 2001.

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	20	\$2,363,194	94	\$21,541,822
Instructional Programs	2	47,100	2	3,482,517
Other Programs	0	0	0	0
Total	22	\$2,410,294	96	\$25,024,339

FISCAL YEAR-TO-DATE CUMULATIVE

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	163	\$17,197,534	246	\$81,178,680
Facilities and Equipment	0	0	0	0
Instructional Programs	8	1,159,905	4	3,590,812
Other Programs	1	24,497	0	0
Service Programs	0	0	0	0
Total	172	\$18,381,936	250	\$84,769,492

Awards Received

October 1, 2001 through October 31, 2001

Awards for Research

Aerospace and Mechanical Engineering

Atassi, Hafiz M.

Hydrodynamics and Acoustics of Rotor Blades in Nonuniform Inflow Conditions
Department of Navy
\$56,884 27 months

Biological Sciences

Collins, Frank H.

Vector Genetics Database
University of California-Irvine
\$7,500 6 months

Diffley, Peter

Javits Fellowship for Shannon (Bralick) Valenzuela
Department of Education
\$3,357 48 months

Diffley, Peter

Fellowship for KEELY LANGE
Environmental Protection Agency
\$22,000 36 months

Diffley, Peter

Fellowship for Joseph P. Vasquez, III
Institute Study of World Politics
\$3,500 48 months

Goetz, Frederick W.

Characterization of Myostatin Expression in Fish
Department of Agriculture
\$200,000 24 months

Tenniswood, Martin

Molecular Mechanisms of Metastatic Progression in Breast Cancer
Komen Breast Cancer Foundation
\$105,000 36 months

Tenniswood, Martin

Clusterin and Breast Cancer
Komen Breast Cancer Foundation
\$30,000 24 months

Welsh, JoEllen J.

Impact of Vitamin D3 Receptor on Mammary Carcinogenesis
Komen Breast Cancer Foundation
\$30,000 24 months

Civil Engineering and Geological Sciences

Westerink, Joannes J.

ADCIRC Hydrodynamic Circulation and Transport Code Development
Department of Army
\$10,000 20 months

Electrical Engineering

Fay, Patrick J.

Testing Methodologies for Monolithic Photoreceivers
Xindium Technologies, Inc.
\$119,650 15 months

Fay, Patrick J.; Snider, Gregory L.

Self-Aligned and Self-Limited Quantum Dot Nanoswitches
Ohio State University
\$128,587 12 months
Electrical Engineering

Sauer, Ken D.

Research on Iterative Reconstruction Methods for Spiral X-ray CT
General Electric Corporation
\$14,766 36 months

Seabaugh, Alan C.; Snider, Gregory L.

Tunnel Diode IC
Semiconductor Research Corporation
\$27,500 15 months

Government and International Studies

Welna, Christopher J.

National Resource Centers
Indiana University Bloomington
\$97,459 12 months

Physics

Balsara, Dinshaw S.

Exploring the Role of Grid-Enabled OpenMP in Adaptive Mesh Calculations
Rice University
\$72,246 12 months

Ruchti, Randal C.

USCMS Project Education and Outreach
Northeastern University
\$56,375 12 months

Ruchti, Randal C.; Cason, Neal M.; Wayne, Mitchell R.

Detector Development for CMS/HCAL
Northeastern University
\$250,145 36 months

Psychology**Borkowski, John G.**

Predicting and Preventing Neglect in Teen Mothers
National Institutes of Health
\$1,126,450 8 months

Snite Museum of Art**Knoll, Ann M.**

MAP-Collections Management Assessment
Institute for Museum and Library Services
\$1,775 12 months

Awards for Instructional Programs**Educational Talent Search****Outlaw, Warren G.**

Talent Search
Citigroup Foundation
\$1,000 4 months

John A. Kaneb Center for Teaching and Learning**Laughner, Thomas C.; Walvoord, Barbara E.**

Developing Faculty Learning Communities
Miami University
\$46,100 36 months

Proposals Submitted

October 1, 2001 through October 31, 2001

Proposals for Research**Aerospace and Mechanical Engineering****Goodwine, John W.**

Reduction and Control of Nonlinear Symmetric Distributed Systems
Department of Navy
\$299,419 36 months

Jumper, Eric J.

Atmospheric Propagation and Compensation of High-Energy Lasers
University of North Carolina at Charlotte
\$287,578 36 months

Mason, James J.

Thermomechanical Investigations of High Speed Machining of Aluminum
National Science Foundation
\$349,966 36 months

Schmid, Steven R.; Niebur, Glen L.

Forming, Cutting and Joining Metal Foam
National Science Foundation
\$243,560 36 months

Thomas, Flint O.

A Novel Experimental Investigation of Slat Noise Mechanisms and Their Control
National Aeronautics and Space Administration
\$335,153 48 months

Anthropology**Kawano, Satsuki**

Resting Peacefully? An Examination of Japanese Ancestorhood and Recent Demographic Changes
Japan Foundation
\$52,694 12 months

Sheridan, Susan G.

Analysis of the Human Remains in the German Qumran Collection
Hebrew University of Jerusalem
\$1,000 12 months

Art, Art History and Design**Gill, Meredith J.**

Augustine and the Arts
National Humanities Center
\$30,000 11 months

Gill, Meredith J.

Augustine and the Arts
American Academy in Rome
\$20,000 11 months

Biological Sciences**Belovsky, Gary E.**

Luquillo Experimental Forest Project
University of Puerto Rico
\$20,000 12 months

D'Souza-Schorey, Crislyn

Role of Membrane Traffic in Epithelial Cell Migration
American Cancer Society
\$821,300 60 months

D'Souza-Schorey, Crislyn

Role of Membrane Traffic in Epithelial Cell Migration
National Institutes of Health
\$284,875 12 months

Hyde, David R.; O'Tousa, Joseph E.

Mechanisms of Retinal Degeneration
National Institutes of Health
\$232,235 12 months

Lodge, David M.

Quantifying Pathways of Nonindigenous Aquatic Species
University of Illinois-Urbana-Champaign
\$130,000 24 months

Pollard, Morris

Prevention of Bone Metastasis
CapCURE
\$75,000 12 months

Schorey, Jeffrey S.

MAPK Signaling in Mycobacteria Infected Macrophages
National Institutes of Health
\$284,875 12 months

Schorey, Jeffrey S.

Mitogen Activated Protein Kinase Signaling in Macrophages
Infected with Mycobacterium avium
Burroughs Wellcome Fund
\$400,000 60 months

Shay, Neil F.

Soy Supplements Interact with Cholesterol-Lowering Drugs
National Institutes of Health
\$180,775 12 months

Vaughan, Kevin T.

Targeting Mechanisms for Cytoplasmic Dynein
National Institutes of Health
\$309,875 12 months

Center for Latino Studies**Garcia, Philip**

Hispanic Access to Health Services
Health and Human Services
\$150,000 16 months

Chemical Engineering**McGinn, Paul J.**

Characterization of Oxide Dielectrics by Scanning Microwave
Microscopy
National Science Foundation
\$220,201 36 months

Ostafin, Agnes E.; McCreedy, Mark J.; Palmer, Andre F.; Brockman, Jay B.

Towards a New Chemical and Biomolecular Engineering
Curriculum
National Science Foundation
\$499,863 36 months

Varma, Arvind

Combustion Mechanisms of Complex Metal Particles
National Science Foundation
\$376,308 36 months

Chemistry and Biochemistry**Baker, Brian M.**

Cancer Immunotherapy and the Recognition Properties of
the T-Cell Receptor
American Cancer Society
\$228,539 48 months

Basu, Subhash C.

Targeted Drug to Metastatic Prostate Cancer Cells
CapCURE
\$75,000 12 months

Kandel, S.A.

Oxidation of Aluminum Surfaces by Energetic Atoms and
Molecules
American Chemical Society
\$35,000 24 months

Nowak, Thomas

The Regulation and Catalytic Process of Pyruvate Kinase
National Institutes of Health
\$250,175 12 months

Serianni, Anthony S.

Synthesis of C-Nucleoside Analogs of Biological Activity
U.S.-Egypt Jt. Bd. of Scientific and Technological
Cooperation
\$14,500 24 months

Taylor, Richard E.

Structural and Conformational Diversity Inspired by Natural
Products
Camille and Henry Dreyfus Foundation
\$60,000 36 months

Wiest, Olaf G.

Structure and Reactivity of Hydrocarbon Radical Cations
National Science Foundation
\$586,234 48 months

Wiest, Olaf G.

Mechanisms and Models of DNA Photolyase
National Institutes of Health
\$105,158 12 months

Civil Engineering and Geological Sciences**Neal, Clive R.**

Studying the Temporal Geochemical Evolution of the
Hawaiian Hotspot
University of Rochester
\$29,800 12 months

Spencer, Billie F.

Cooperative US-Europe Research in Sensors and Smart
Structures Technology
National Science Foundation
\$34,195 12 months

Talley, Jeffrey W.

In Situ Biostabilization of Recalcitrant Organic Compounds
(ROCs) in Marine Sediment
Department of Navy
\$300,000 37 months

The Classics**Bloomer, W. Martin**

The School of Rome: Latin Studies and the Origins of Liberal
Education
American Philosophical Society
\$40,000 9 months

Guo, Li

Arabic Documents from Quseir as New Sources for Red Sea
and Indian Ocean Trade
National Humanities Center
\$50,000 9 months

Guo, Li

Arabic Documents from Quseir as New Sources for Red Sea
and Indian Ocean Trade
American Council Learned Society
\$62,500 9 months

Computer Science and Engineering**Chen, Danny Z.; Hu, Xiabo**

Geometric Algorithms for Surgical Treatment Planning and
Other Medical Problems
National Science Foundation
\$312,021 36 months

Flynn, Patrick; Bowyer, Kevin W.

Laser Radar Exploitation
University of South Florida
\$20,000 11 months

Kogge, Peter M.; Freeh, Vincent W.; Brockman, Jay B.

Morphable Architectures for Energy Efficient Space
Applications
Jet Propulsion Laboratory
\$1,011,447 30 months

Madey, Gregory R.

Integrating e-Technology Research into the CSE Curriculum
National Science Foundation
\$489,453 36 months

Electrical Engineering**Bauer, Peter H.; Huang, Yih-Fang; Sauer, Ken D.;****Haenggi, Martin; Sain, Michael K.**

Design Methods for Distributed Sensor Actuator Networks in
the Presence of Uncertainties
ARMY/DARPA
\$4,698,313 60 months

Fay, Patrick J.

CAREER: Micromachining of Gallium Nitride and Related
Materials for Microwave and Optoelectronic Applications
National Science Foundation
\$7,500 12 months

Fay, Patrick J.

High Speed Electrometers for Nanoelectronics
National Science Foundation
\$15,000 12 months

**Fuja, Thomas E.; Costello, Daniel J.; Huang, Yih-Fang;
Walvoord, Barbara E.; Collins, Oliver M.**

Real-World Wireless Communications in the Graduate and
Undergraduate Curriculum
National Science Foundation
\$500,000 36 months

English**Baldwin, Kate A.**

Beyond the Color Line and the Iron Curtain: Rethinking
Black Radicalism, 1922-1963
American Council Learned Society
\$62,500 9 months

Lander, Jesse M.

Print, Polemic, and Protestantism: Literary Culture in Early
Modern England
National Humanities Center
\$30,000 9 months

Ziarek, Ewa

Inventions of the Negative: Art, Gender, and Race in
Modernism
National Humanities Center
\$40,000 12 months

Film, Television, and Theatre**Chalmers, Jessica**

Reality Theater: From Authenticity to Liveness
American Council Learned Society
\$30,000 9 months

Crafton, Donald

Joseph P. Kennedy, Sr. and the Struggle for Hollywood
American Council Learned Society
\$50,000 9 months

Crafton, Donald

Joseph P. Kennedy, Sr. and the Struggle for Hollywood
J.S. Guggenheim Memorial Foundation
\$36,000 9 months

Freimann Animal Care Facility**Suckow, Mark A.; Pollard, Morris; Schulman, Alexis A.**

Chemoprevention of Prostate Cancer by Lycopene
National Institutes of Health
\$74,250 12 months

Government and International Studies

Lindley, Daniel A.

Is War Rational? The Extent of Miscalculation as a Cause of War

U.S. Institute of Peace

\$45,000 11 months

Mosley, Maria E.

Global Capital and Local Social Policy: The Political Impact of Foreign Direct and Portfolio Investment

Woodrow Wilson Center

\$32,000 9 months

History

Bederman, Gail

Engendering Neo-Malthusianism: Contraception, Free Love, and Political Theory in the US, 1793-1831

National Humanities Center

\$50,000 12 months

Bederman, Gail

Engendering Neo-Malthusianism: Contraception, Free Love, and Political Theory in England and the USA, 1793-1831

Stanford Humanities Center

\$40,000 9 months

Mathematics

Barron, Katrina D.

The Algebraic and Geometric Foundations of Superconformal Field

National Science Foundation

\$113,840 36 months

Buechler, Steven A.; Neusel, Mara D.

Invariant Theory, Steenrod Technology, and Cryptography

National Science Foundation

\$89,358 36 months

Buechler, Steven A.; Calin, Ovidiu L.

Variational Problems in Geometric Analysis

National Science Foundation

\$68,688 36 months

Chandler, Karen A.

Special Linear Systems in Algebraic Geometry

National Science Foundation

\$100,633 36 months

Evans, Samuel R.

Representation Theory and Geometry

National Science Foundation

\$91,544 36 months

Hahn, Alexander J.

Generating Groups and Codes

Department of Defense

\$49,458 24 months

Hahn, Alexander J.

Generating Groups and Codes

National Science Foundation

\$174,038 24 months

Hall, Brian C.

Quantization on Cotangent Bundles

National Science Foundation

\$103,369 36 months

Hu, Bei

Partial Differential Equations and Applications

National Science Foundation

\$33,451 36 months

Migliore, Juan C.

Ideals of Generic Forms and the Strong Lefschetz Property

Department of Defense

\$47,571 24 months

Nicholls, David P.

High Order Numerical Methods for Problems in

Electromagnetic and Acoustic Scattering

Department of Navy

\$369,765 60 months

Polini, Claudia

Core, Integrality Hilbert Functions

Department of Defense

\$26,000 24 months

Polini, Claudia

Studies of Integrality of Ideals

National Science Foundation

\$96,241 36 months

Taylor, Laurence R.; Williams, Edward B.; Dwyer, William G.

Algebraic and Geometric Topology

National Science Foundation

\$374,292 60 months

Xavier, Frederico J.

Applications of Analysis to Differential Geometry

National Science Foundation

\$137,801 36 months

Philosophy

Detlefsen, Michael

Imagination, Interpretation, and the Axiomatic Method

National Humanities Center

\$40,000 9 months

Detlefsen, Michael

Imagination, Interpretation, and the Axiomatic Method

American Council Learned Society

\$50,000 9 months

Physics

Bennett, David P.

The Galactic Exoplanet Survey Telescope
National Aeronautics and Space Administration
\$350,236 4 months

Bennett, David P.

A Study of Space Based Searches for Terrestrial Exoplanets in
the Optical and Near IR
National Aeronautics and Space Administration
\$320,373 12 months

Furdyna, Jacek K.

Advanced Tetrahedrally-Bonded Ferromagnetic
Semiconductors
Northwestern University
\$294,777 36 months

Glazier, James A.; Alber, Mark S.; Goodson, Holly V.

The Center for Interdisciplinary Study of Biocomplexity
National Institutes of Health
\$2,323,669 12 months

Janko, Boldizsar

Graduate Student Support
Argonne National Laboratory
\$47,922 12 months

Ruchti, Randal C.

Supplemental Funding for Quarknet
Northeastern University
\$419,000 12 months

Program of Liberal Studies

Marvin, Julia J.

History for All: the Prose Brute Chronicle and Vernacular
Culture in Late-Medieval England
Stanford University
\$25,000 9 months

Marvin, Julia J.

History for All: The Prose "Brut" Chronicle and Vernacular
Culture in Late-Medieval England"
National Humanities Center
\$30,000 11 months

Marvin, Julia J.

History for All: The Prose "Brut" Chronicle and Vernacular
Culture in Late-Medieval England"
Columbia University
\$42,000 12 months

Marvin, Julia J.

History for All: The Prose "Brut" Chronicle and Vernacular
Culture in Late-Medieval England
American Council Learned Society
\$76,794 12 months

Psychology

Bergeman, Cindy S.; Doering, Elizabeth J.; Buttigieg, Joseph A.

Teachers as Scholars Program
Indiana Comm. Higher Educ.
\$68,584 36 months

Radvansky, Gabriel A.

Comprehension and Memory of Spatial and Temporal Event
Components
U.S. Army Research Institute
\$201,062 36 months

Wenger, Michael J.

Perceptual Processes, Evidence, and Configurality
Indiana University Bloomington
\$55,844 36 months

West, Robert L.

Neural Correlates of Prospective Remembering
National Institutes of Health
\$74,250 12 months

Romance Languages and Literatures

Jerez-Farrán Carlos

Old Myths, New Meanings: The Classical World in the Works
of Frederico Garcia Lorcas
Spencer Foundation
\$35,000 9 months

Juárez, Encarnación

Clothing and the Construction of Identity in Golden Age
Spanish Autobiographies
American Philosophical Society
\$40,000 12 months

Juárez, Encarnación

Clothing and the Construction of Identity in Golden Age
Spanish Autobiographies
American Council Learned Society
\$30,000 12 months

Sociology

Yamane, David A.

Religion in the Statehouses: Negotiating Prophetic Demands
and Political Realities
Yale University
\$34,000 9 months

Yamane, David A.

Religion in the Statehouses: Negotiating Prophetic Demands
and Political Realities
Louisville Institute
\$8,000 3 months

Theology

Aune, David E.

Text and Commentary on the Testament of Solomon
W.F. Albright Institute of Archaeological Research
\$30,000 9 months

Aune, David E.

"Testament of Solomon"—Text and Commentary in
"Commentaries on Early Jewish Literature" Series
American Council Learned Society
\$50,000 10 months

Proposals for Instructional Programs

Biological Sciences

Duman, John G.

HHMI Undergraduate Biological Sciences Program
H. Hughes Medical Institution
\$1,306,710 48 months

Educational Talent Search

**Outlaw, Warren G.; Vann-Hamilton, Joy J.; Coleman,
Myrtie M.**

Talent Search
Department of Education
\$2,175,807 60 months

Centers and Institutes Awards Received and Proposals Submitted

In the period October 1, 2001 to October 31, 2001.

Department or Office	AWA RDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Center for Latino Studies	0	0	1	\$ 150,000
Center for Tropical Disease Research and Training	1	\$ 7,500	0	0
Freim ann Life Science Center	0	0	1	74,250
John A. Kaneb Center for Teaching and Learning	1	46,100	0	0
Kellogg Institute for International Studies	1	97,459	0	0
Lobund Laboratory	0	0	1	75,000
Nano Science and Technology Center	1	128,587	0	0
TRIO Programs	1	1,000	1	2,175,807
Walther Cancer Institute	0	0	2	1,106,175
To tal	5	\$280,646	6	\$3,581,232

FISCAL YEAR-TO-DATE CUMULATIVE

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Alliance for Catholic Education	3	213,583	1	55,000
Center for Flow Physics and Control	2	159,151	0	0
Center for Latino Studies	2	209,701	2	299,512
Center for Molecularly Engineered Materials	0	0	1	1,856,363
Center for Transgene Research	2	869,375	0	0
Center for Tropical Disease Research and Training	2	119,498	0	0
Freim ann Life Science Center	0	0	4	489,250
Institute for Educational Initiatives	1	3,083	0	0
John A. Kaneb Center for Teaching and Learning	1	46,100	0	0
Kellogg Institute for International Studies	4	210,780	1	107,295
Keough Institute for Irish Studies	1	39,000	0	0
Lobund Laboratory	1	72,128	1	75,000
Mendelson Center for Sport, Character, and Culture	1	18,446	0	0
Nano Science and Technology Center	3	226,143	3	313,082
Radiation Laboratory	2	261,615	0	0
Robinson Community Learning Center	0	0	1	157,275
South Bend Center for Medical Education	1	55,000	1	214,500
TRIO Programs	6	992,222	2	2,176,807
Walther Cancer Institute	0	0	2	1,106,175
To tal	32	\$3,495,825	19	\$6,850,259

All awards and proposals are credited in the Monthly Summaries report to the academic department of the primary principal investigator. The Office of Research proposal routing form asks principal investigators to indicate at the time the proposal is submitted which unit will be responsible for the conduct of the project. If that unit is a center or institute, the proposal/award is included in the Centers/Institutes report, which is a subset of the Monthly Summaries report.

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at "research2@nd.edu" or 1-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

Awards Received

October 1, 2001 through October 31, 2001

Awards for Research

Center for Tropical Disease Research and Training

Collins, Frank H.
Vector Genetics Database
University of California-Irvine
\$7,500 6 months

Kellogg Institute for International Studies

Welna, Christopher J.
National Resource Centers
Indiana University Bloomington
\$97,459 12 months

Nano Science and Technology Center

Fay, Patrick J.; Snider, Gregory L.
Self-Aligned and Self-Limited Quantum Dot Nanoswitches
Ohio State University
\$128,587 12 months

Awards for Instructional Programs

John A. Kaneb Center for Teaching and Learning

Laughner, Thomas C.; Walvoord, Barbara E.
Developing Faculty Learning Communities
Miami University
\$46,100 36 months

TRIO Programs

Outlaw, Warren G.
Talent Search
Citigroup Foundation
\$1,000 4 months

Proposals Submitted

October 1, 2001 through October 31, 2001

Proposals for Research

Center for Latino Studies

Garcia, Philip
Hispanic Access to Health Services
Health and Human Services
\$150,000 16 months

Freimann Life Science Center

Suckow, Mark A.; Pollard, Morris; Schulman, Alexis A.
Chemoprevention of Prostate Cancer by Lycopene
National Institutes of Health
\$74,250 12 months

Lobund Laboratory

Pollard, Morris
Prevention of Bone Metastasis
CapCURE
\$75,000 12 months

Walther Cancer Institute

D'Souza-Schorey, Crislyn
Role of Membrane Traffic in Epithelial Cell Migration
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\$821,300 60 months

Walther Cancer Institute

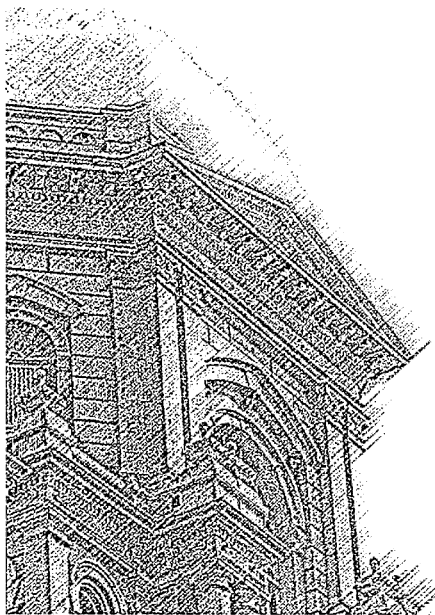
D'Souza-Schorey, Crislyn
Role of Membrane Traffic in Epithelial Cell Migration
National Institutes of Health
\$284,875 12 months

Proposals for Instructional Programs

TRIO Programs

Outlaw, Warren G.; Vann-Hamilton, Joy; Coleman, Myrtie M.
Talent Search
Department of Education
\$2,175,807 60 months

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