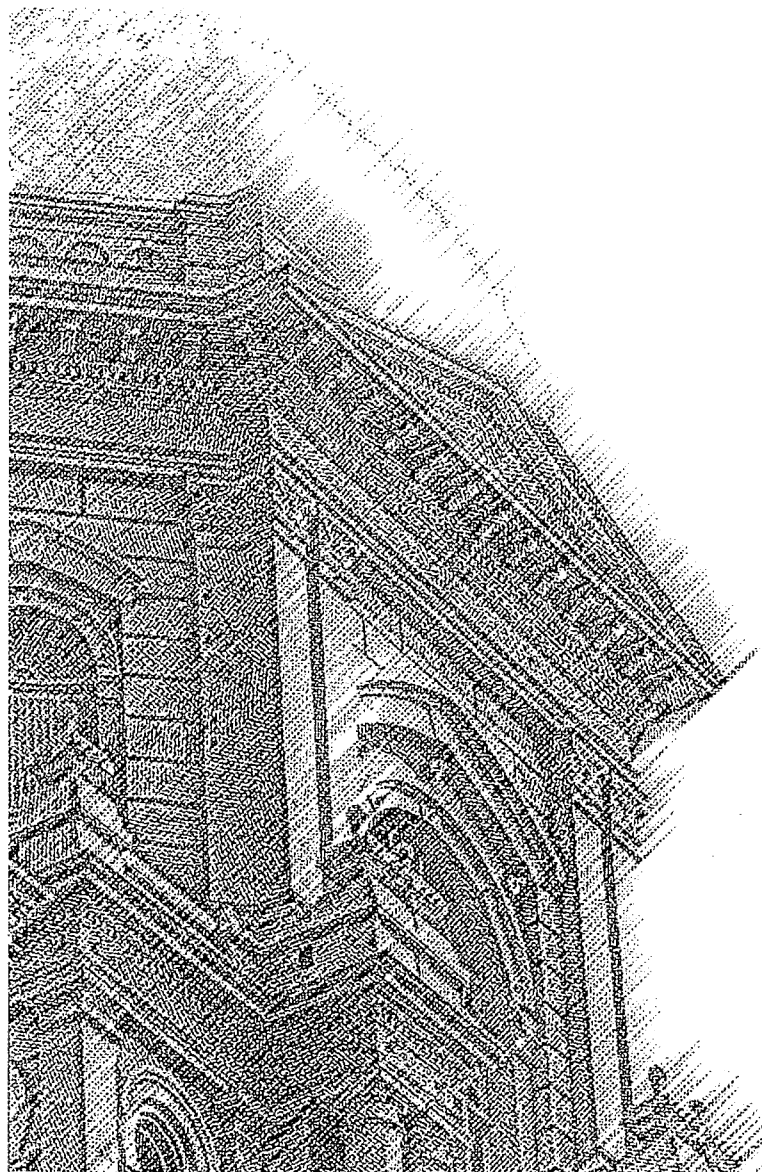


# Notre Dame Report



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# The University

## Trustees Elect Malloy, McCartan and Scully

The Notre Dame Board of Trustees has elected Rev. Edward A. Malloy, C.S.C., to a new five-year term as the University's president; elected Patrick F. McCartan, managing partner of the international law firm Jones, Day, Reavis & Pogue, as the new chair of the board; and elevated retiring chair Andrew J. McKenna, chairman and chief executive officer of Schwarz, Inc., to chair emeritus and Life Trustee.

The board also elected Rev. Timothy Scully, C.S.C., to a five-year term as the University's executive vice president, succeeding Rev. E. William Beauchamp, C.S.C., who had served in that role since 1987. The executive vice president is the third-ranking officer of the University, after the president and provost, with responsibilities including finance, business operations, human resources, and campus construction. As executive vice president, Father Scully also will serve as a Trustee of the University. He currently is vice president and senior associate provost.

Father Beauchamp, who becomes executive vice president emeritus, will continue as a member of the Fellows of the University and a Trustee. He also will continue to work directly with the president. All the appointments are effective July 1.

Father Malloy, who is completing his 13th year as Notre Dame's president, has led the University at a time of substantial growth in its reputation, faculty and resources. Already recognized as the premier Catholic university in the U.S., Notre Dame has significantly expanded its international presence under Father Malloy's leadership. The University's endowment now is more than \$3 billion, and its continuing capital campaign, the largest in the history of Catholic higher education, has to date raised more than \$944 million, far surpassing its original goal of \$767 million.

McCartan, of Cleveland, Ohio, has been a Notre Dame trustee since 1989 and also is a Fellow of the University. Cited in surveys by *The National Law Journal* as one of the country's most respected and influential lawyers, he has been featured in *The Wall Street Journal*, *The American Lawyer*, and *The Best Lawyers in America*. He is a fellow of the American College of Trial Lawyers and the International Academy of Trial Lawyers, as well as an honorary overseas member of the English Commercial Bar. He earned both his undergraduate and law degrees from Notre Dame and received an honorary doctorate of laws from the University in 1999.

McKenna, of Winnetka, Ill., was elected a Notre Dame trustee in 1980 and served as vice chair of the board for six years prior to becoming chair. In February 1999 he presided at the first international meeting of the Notre Dame board, in London, where it met in conjunction with the dedication of the University's new study center there. McKenna Hall, the University's Center for Continuing Education, is named for him and his wife, Joan, in honor of their having made the largest single gift for student scholarships in the history of Notre Dame. A 1951 Notre Dame graduate, he was awarded an honorary doctorate of laws by the University in 1989 and has been named this year's recipient of the University's Laetare Medal, which is considered the foremost award given to American Catholics.

Father Scully has been a member of the faculty since 1989 and an officer of the University since 1994, with special responsibilities in the provost's office including international programs and new initiatives in undergraduate education. Under his leadership, the number of Notre Dame students studying abroad has more than doubled, and the University now has the highest percentage of students in international programs of any American research institution. He oversaw the opening of attractive new international study centers in London and Dublin and the establishment of new study programs in Santiago, Chile, and Monterrey and Puebla, Mexico. Under his leadership,

Notre Dame's Keough program in Irish Studies and Nanovic program in European Studies both became scholarly institutes and the new Institute for Latino Studies was established. A widely published scholar in Latin American politics, he succeeded Rev. Theodore M. Hesburgh, C.S.C., as chair of the advisory council for Notre Dame's Kellogg Institute for International Studies. He orchestrated the establishment of Notre Dame's new academic presence in Washington, D.C., and, on campus, its Institute for Educational Initiatives, including the Alliance for Catholic Education, which he founded. He also oversaw the reorganization of the undergraduate admissions office and the establishment of the Kaneb Center for Teaching and Learning, the Office for Students with Disabilities, and a new University Writing Center.

Father Beauchamp was responsible for the University's endowment as it grew to more than \$3 billion, directed a major restructuring of its budgeting procedures as the annual operating budget approached \$500 million, and oversaw the human resources operations for its 3,900 employees, a workforce that makes Notre Dame St. Joseph County's largest employer. Under his direction, the campus construction program played an integral role in advancing the academic mission of the University and improving student life.

Among the major projects initiated during his tenure were DeBartolo Hall, one of the most technologically advanced classroom facilities in higher education; the Mendoza College of Business complex; four undergraduate residence halls; the expansion and renovation of Notre Dame Stadium; the Warren Golf Course; the Eck Center, which houses the Hammes Notre Dame Bookstore, the Notre Dame Alumni Association, and the Eck Visitors' Center; and, perhaps the crown jewel among his projects, the renovation of Notre Dame's historic Main Building. In addition, now underway or soon to begin construction are a new center for campus ministry and

student academic services; a new office building for the theology and philosophy departments; and the much-anticipated DeBartolo Center for the Performing Arts. Also overseeing athletics until early this year, Father Beauchamp was the architect of Notre Dame's groundbreaking television contract with NBC and orchestrated the University's entrance into the Big East Conference.

## Jenkins Elected Vice President and Associate Provost

Notre Dame's Board of Trustees has elected Rev. John I. Jenkins, C.S.C., a vice president and associate provost of the University.

Father Jenkins' appointment is effective July 1 and fills the vacancy created when the Trustees elected Rev. Timothy Scully, C.S.C., as the University's executive vice president.

Father Jenkins is an associate professor of philosophy and also currently serves as religious superior of the Holy Cross priests and brothers at Notre Dame. As religious superior, he was a Fellow and Trustee of the University, but he will relinquish those posts when he steps down as superior to assume his new duties in the provost's office.

A member of the faculty since 1990 and the recipient of a Lilly Teaching Fellowship in 1991-92, Father Jenkins teaches in the areas of ancient and medieval philosophy and the philosophy of religion. He is the author of *Knowledge and Faith in Thomas Aquinas*, published by Cambridge University Press in 1997, and has had scholarly articles published in *The Journal of Philosophy*, *Medieval Philosophy and Theology*, and *The Journal of Religious Ethics*. He delivered this year's Aquinas Lecture at the University of Dallas in January.

## Outstanding Teachers Named

The Notre Dame Law School, the Colleges of Arts and Letters, Science and Engineering and the Mendoza College of Business have selected their outstanding teachers for the 1999-2000 academic year.

**Law School:** Vincent D. Rougeau, associate professor and associate dean of the Law School, has received the Distinguished Teaching Award from this year's law school graduates. A member of the faculty since 1997, Rougeau was appointed associate dean for academic affairs in 1999. His teaching and research interests focus on banking, real estate law and contracts. He also teaches a course in international law and a seminar on the Catholic social justice tradition.

**College of Arts and Letters:** Reginald Bain, associate professor of film, television and theatre, has been named the 2000 recipient of the Sheedy Award for excellence in teaching. The award, endowed by an anonymous donor, has been given annually since 1970 in memory of the Rev. Charles C. Sheedy, C.S.C., former dean of the college. Bain joined the faculty in 1968 and teaches theatre. He is a 1957 Notre Dame alumnus and holds a master's degree from the University of Arizona and a doctorate from the University of Minnesota.

**Mendoza College of Business:** Matthew Bloom, assistant professor of management, is the winner of the college's Undergraduate Teaching Award, which is sponsored by the Amoco Foundation. The recipient is chosen each year by the graduating class. A member of the faculty since 1996, Bloom's current research and teaching focuses on the effectiveness of incentive pay systems, managing total compensation, organizational change processes and strategic human resource management. His recent research has focused on investigating contextual factors, such as business risk, that influence the effectiveness of compensation systems, the effects of

pay structures on organizational performance, and the interplay between organizational strategy and executive compensation systems.

**College of Engineering:** Joan F. Brennecke, professor of chemical engineering, has been named recipient of the college's Outstanding Teacher of the Year Award, also sponsored by the Amoco Foundation. Brennecke joined the faculty in 1989 as an assistant professor. Brennecke's research is in the areas of supercritical fluid technology and thermodynamics, specifically the use of supercritical carbon dioxide and supercritical water as environmentally benign manufacturing solvents for extractions, separations and reactions. She developed a class, which she now teaches, on environmentally benign process design. She also teaches chemical engineering thermodynamics.

**College of Science:** Sunny K. Boyd, associate professor of biological sciences, has been chosen as the recipient of the 2000 Shilts/Leonard Teaching Award. Boyd has been a member of the Notre Dame faculty since 1987. She studies neuroendocrine control of behavior in amphibians. The Shilts/Leonard Teaching Award, given annually since 1983 to recognize outstanding teaching, memorializes Rev. James L. Shilts, C.S.C., a longtime Notre Dame astronomy and astrophysics professor who died in 1982. The award was endowed by Eugene T. Leonard Jr., a surgeon and 1940 alumnus of the University.

## Wild Named Valedictorian

Elizabeth Wild, a history and computer applications double major from Washington, Pa., has been named valedictorian of Notre Dame's 2000 graduating class. Wild is among the University's top-ranked seniors. She achieved a 3.975 grade point average in Notre Dame's Honors Program and for her senior thesis composed a 200-page novel—one of four projects formally presented at the Honor Program's final colloquium. With the counsel of her advisor, Valerie Sayers—professor of English, past director of Notre Dame's Creative Writing Program and the author of five novels—Wild is submitting her novel for publication.

After graduation, Wild will work in Pittsburgh for McKinsey & Co., a managerial consulting group. She plans to continue her education in law or business and hopes to continue writing fiction.

Wild was active throughout her years at Notre Dame. She was a reporter for the University's student newspaper, the *Observer*, for two years and for the student magazine, the *Scholastic*, her sophomore year. She tutored in the University's First Year of Studies during her sophomore year and served as a peer advisor to younger members of the Honors Program.

As a junior, she participated in the University's Washington, D.C., study program and held an internship in the public affairs office of the United States Courts. She also served as a student volunteer in the University's Early Childhood Development Center.

In Lewis Hall, Wild was captain of the interhall football team and a member of the hall basketball team, participating in both sports for four years.

Wild is the daughter of the late Cathy Wild and 1974 Notre Dame alumnus Thomas Wild. Her sister Lauren is a junior at Notre Dame, and her sister Carolyn is a freshman at St. Francis College in Loretto, Pa.

## Multicultural Program to Change Name

The Office of Multicultural Student Affairs at the University will change its name to Multicultural Student Programs and Services (MSPS) beginning with the 2000-01 academic year.

MSPS administers the University programs and services designed to assist in the retention and success of traditionally under-represented students by sponsoring cultural programs, aiding in recruitment, advising, and serving as a general multicultural resource center.

This past fall the Intercultural Center was introduced to provide MSPS with more space and greater access to the broader Notre Dame community.

Multicultural Student Programs and Services will still reside in room 210 of the LaFortune Student Center and current phone numbers will remain the same.

## '93 Graduate Earns Berth on U.S. Olympic Team

Nick Radkewich, a 1993 graduate of the University, qualified for the U.S. Olympic triathlon team May 28 in Irving, Texas.

A former member of the Notre Dame track and cross country teams, Radkewich placed fourth overall, but second among Americans, to earn one of the three places on the U.S. team.

Michael Smedley, a 1996 Notre Dame graduate, also competed in the Olympic triathlon trial in Irving but was forced to drop out.

The XXVIIth Olympic Games will be held Sept. 15–Oct. 1 in Sydney, Australia.

# Faculty Notes

## Honors

**Hafiz M. Atassi**, Hank professor of aerospace and mechanical engineering, has been selected to receive the American Institute of Aeronautics and Astronautics Aeroacoustics Award for 2000, established to honor excellence in technical or scientific achievements in the field of aircraft noise reduction.

**Stephen M. Batill**, professor of aerospace and mechanical engineering, has been selected to receive the John Leland Atwood Award for 2000, sponsored by the American Institute of Aeronautics and Astronautics and the American Society for Engineering Education to recognize exceptional contributions to aerospace education.

**Peter H. Bauer**, professor of electrical engineering, has been appointed to the editorial board of *Multi-dimensional Systems and Signal Processing*, published by Kluwer Academic Publishers, Dordrecht, The Netherlands.

**Lawrence S. Cunningham**, professor of theology, received the "Caritas Centennial Award" for service to American Catholic theology, presented by the College of Saint Elizabeth, Convent Station, N.J., on the occasion of their centennial celebrations, Apr. 15.

**Teresa Ghilarducci**, associate professor of economics, was elected to the executive board of the Industrial Relations Research Association for a three-year term in September 1999.

**David C. Leege**, professor of government and international studies, was appointed to the advisory committee for the project on Hispanic Churches in American Public Life, funded by the Pew Charitable Trusts.

**Mary Ann Mahony**, assistant professor of history, has been elected secretary of the Brazilian Studies Committee of the Conference on Latin American History (CLAH), an affiliated association of the American Historical Association.

**Ralph McInerny**, professor of philosophy, has been named to the board of advisers of Christi Fideles, New

York, an organization which exists to serve the laity through courses, lectures, and spiritual exercises.

**Morris Pollard**, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, received the American Cancer Society Hope Award for his research in experimental oncology April 15.

*Taos Artists and Their Patrons, 1898-1950*, co-authored by **Dean A. Porter**, curator of American art and director emeritus of The Snite Museum of Art, **Teresa Hayes Ebie**, curator of Southwestern art and associate professional specialist at the Snite Museum, Suzan Campbell and others, was awarded the Ralph Emerson Twitchell Award "for significant contribution in the field of history" by the Historical Society of New Mexico.

**Jean Porter**, professor of theology, was named as one of four Outstanding Women of Notre Dame by the Women's Resource Center on Apr. 17.

**Steven R. Schmid**, associate professor of aerospace and mechanical engineering, has been selected by the American Society of Mechanical Engineers to receive the 2000 Burt L. Newkirk Award, established to recognize notable contributions to the field of tribology research or development.

**Arvind Varma**, Schmitt professor of chemical engineering, has been selected by the American Society for Engineering Education to receive the Chemical Engineering Lectureship Award for 2000 in recognition of outstanding achievement in chemical engineering theory or practice.

## Activities

**Ani Aprahamian**, professor of physics, presented "Exploding Stars and the Structure of  $N=Z$  Nuclei" at the University of Kentucky, Lexington, Apr. 13.

**J. Matthew Ashley**, assistant professor of theology, presented "The Spirituality of Oscar Romero," for "Romero Week 2000" at Notre Dame Mar. 21. He

presented "Toward A Spirituality of Contemplation in Prophetic Action" at an academic symposium, "Against Forgetting: Oscar Romero, the Central American Martyrs, and the Public Witness of the Church," at Rivier College, Nashua, N.H., Apr. 8. He presented "Discerning Anew the Uneasy Alliance: A Contribution From the Study of Spirituality to Understanding the Ecclesial Accountability of a Department of Theology" at a departmental colloquium at Notre Dame Apr. 10.

**David E. Aune**, professor of theology, served as co-advisor with Jan Willem van Henten for a dissertation at the University of Amsterdam for Albert Osger Mellink, who wrote on "Death as Eschaton: A Study of Ignatius of Antioch's Desire for Death."

**Peter H. Bauer**, professor of electrical engineering, presented "Feedback Control through Communication Networks: Models and Stability" at the Department of Electrical Engineering, Southampton University, England, Oct. 15.

**Rev. Michael J. Baxter, C.S.C.**, assistant professor of theology, presented "Performing the Scriptures" and "Liturgy and Social Order: Failed Solutions to an Insoluble Problem" at the department of theology, Mount St. Mary's College, Emmitsburg, Md., Apr. 5. He presented "Catholic Scholars, Catholic Workers," at the Dorothy Day Catholic Worker, Washington, D.C., Apr. 7.

**Jay Brandenberger**, associate professional specialist in the Center for Social Concerns and concurrent assistant professor of psychology, presented the Hesburgh Lecture "Leading for Life: The Path of Youth Servant Leadership," in Peoria, Ill., Apr. 6.

**Sr. Deborah M. Cerullo SSND**, associate professional specialist in law, presented "Creating a More Just Society" at Marquette Law School, Milwaukee, Wis., Mar. 31. She presented "Ethics, Justice and the Attorney-Client Relationship" and "Serving the Preferential Option for the Poor" at a meeting of attorneys hosted by Catholic Charities of New Mexico and the Thomas More Society May 10.

**Sr. Regina A. Coll, C.S.J.**, professional specialist in theology, presented "The Art of Theological Reflection" at a meeting of diocesan vocation directors and "Supervising Ministry Students" for the supervisors of seminarians at Mt. Angel Seminary, St. Benedict, Ore., Mar. 15. She also presented "Preparing for Tomorrow's Church" to the diocesan vocation directors at the seminary Mar. 16. She presented "Are We Ready for the Church of the Future?" for the Serra Club, San Jose, Calif., and gave the Hesburgh Lecture, "The Challenges of Lay Ministry and of Ecumenism," for the Notre Dame Club of San Jose, both on Apr. 13.

**Lawrence S. Cunningham**, professor of theology, presented "Christian Mysticism" at Corpus Christi University Parish, Toledo, Ohio, Mar. 29. He presented "On Spirituality and Faith" at the College of Business Conference on Business and Spirituality held at Notre Dame Apr. 4. He gave the keynote address, "Who is a Stranger?" to the third annual meeting of the International Thomas Merton Society at Oakham, England, Apr. 8. He presented "Community and Hospitality" at the eighth annual Spirituality Convocation at the College of Saint Elizabeth, Convent Station, N.J., Apr. 15.

**James T. Cushing**, professor of physics, delivered the Bar-Hillel Colloquium for the History and Philosophy of Science lectures: "Historical Contingency and the Quantum Revolution" at Tel Aviv University May 15 and at the Hebrew University of Jerusalem May 17. He presented "Contingency and Dialogue: Their Relation in the Quantum Revolution," in the Philosophy Department at Northwestern University, Evanston, Ill., June 2.

**Alan Dowty**, professor of government and international studies and Fellow in the Kroc Institute, presented lecture on "Israel: Jewish and Democratic?" at the Middle East Centre, St. Antony's College, Oxford University, May 2.

**Denis A. Goulet**, O'Neill professor in education for justice, department of economics, Fellow in the Kellogg Institute and Fellow in the Kroc Institute, presented "Development in the Third

World as We Move into the 21<sup>st</sup> Century" at the Forever Learning Institute, South Bend, Apr. 19. He presented "Ethically Sustainable Development" at the Symposium on Globalization and Ethics: Contact, Exchange, and Human Values, held at the University of Southern Maine, Portland, Apr. 27-28.

**Jan L. Hagens**, assistant professor of German, presented "*Deus ex machina*, Catharsis, and *Theatrum Mundi*: Three Theatrical Strategies of Objectifying Forgiveness in the Drama of Reconciliation" at a conference on "Forgiveness: Traditions and Implications" at the Tanner Humanities Center in Salt Lake City, Utah, Apr. 18. He also presented "Romanticism and Reconciliation: How 19th-Century German Aesthetics Developed a New Theory of Dramatic Genre" at "Text and Presentation: Comparative Drama Conference XXIV" at Ohio State University, Columbus, Apr. 27.

**Sr. Mary Catherine Hilker, O.P.**, associate professor of theology, presented "Preaching Parables of Grace: The Sacramental Imagination and the New Millennium" at Malloy College, Long Island, N.Y., Apr. 7. She participated in a panel presentation, "Gender Studies in a Catholic University: Negotiating Catholic Identity," held at Notre Dame Apr. 18. She participated in Convergence 2000, St. Mary's College, Notre Dame, Ind., Apr. 28-30.

**Encarnación Juárez**, assistant professor of Spanish, presented "Entre la conciencia moral y la mascarada: creación de la subjetividad en *El guitón Onofre* 1604" at the 53rd Annual Kentucky Foreign Language Conference at the University of Kentucky, Lexington, Apr. 27.

**Prashant V. Kamat**, professional specialist in the Radiation Laboratory, presented "Radiation Effects in Environmental Management Systems: Radiation of Soil Model Systems" at the 47th Annual Meeting of the Radiation Research Society, Albuquerque, N.Mex., Apr. 29-May 3.

**David C. Leege**, professor of government and international studies, presented "Is Religion Overrated as a Fac-



tor in American Elections?" at the University of Arizona, Tucson, Mar. 29. He chaired a panel on "The Clergy and Their Flocks: Religion and Participation" at the annual Midwest Political Science Association convention in Chicago Apr. 29.

**Rev. Donald P. McNeill, C.S.C.**, professional specialist and director of the Center for Social Concerns and concurrent associate professor of theology, presented "Spirituality of Henri Nouwen: From the House of Fear to the House of Love" with Claudia McGeary at the Business, Religion and Spirituality Conference at the Center for Continuing Education, Notre Dame, Apr. 4.

**Rev. John P. Meier**, professor of theology, gave a public lecture on the historical Jesus at John Carroll University, Cleveland, Ohio, Mar. 31.

**Catherine Perry**, assistant professor of French, organized and chaired a session on French literature titled "Crossing Boundaries: Textual Reflections of the Arts in the Nineteenth and Early Twentieth Centuries," at the Kentucky Foreign Languages Conference in Lexington April 27-29. She presented "Zarathustra's 'Dancing God' in Feminine Writing at the Turn of the Century" at the session.

**Dean A. Porter**, curator of American art and director emeritus of The Snite Museum of Art, presented "The Rise and Fall of Walter Ufer and the Taos Society of Artists" at the Panhandle Plains Museum, Canyon, Tex., March 26. He presented "The Success and Failure of Walter Ufer" at the opening of the exhibition *Taos Artists and Their Patrons, 1898-1950* at the Albuquerque Museum Apr. 16.

**Karen Richman**, assistant professor of anthropology, presented "Possessing Her Likeness: Fetishism, Discipline and other Trends in the Culture of Original Dolls" to the Gender Studies Forum at Notre Dame Apr. 6.

**Michael A. Signer**, Abrams professor of Jewish thought and culture, theology department, gave the keynote address, "The Holy See and the Jews

from Antiquity to John Paul II," at the American Jewish Committee Conference, St. Leo College, Tampa, Fla., Feb. 23. He presented the following series of Haskell lectures in biblical interpretation: "Who Taught Scripture to Whom in the Middle Ages?" Mar. 5; "History or Genealogy: Who Inherits the Promises in Scripture?" Mar. 6; and "Whose Future? Eschatology in Medieval Jewish and Christian Biblical Studies" Mar. 8, at Oberlin College, Oberlin, Ohio. He presided at the Joint Commission on Interreligious Affairs of Reform Judaism, Baltimore Md., Mar. 14, and at a meeting between the National Council of Synagogues and the Commission on Relations with the Jewish People, National Conference of Catholic Bishops, Mar. 15. He presented "The Jewish Experience of the Christian Millennium" for the Institute for Christian Clergy at Temple Israel, Akron, Ohio, Mar. 24. He presented "Does God Speak Hebrew? A Perpetual Christian Dilemma" at the Newberry Library, Chicago, Mar. 30. He presented "Polemic and Exegesis: The Varieties of Christian Hebraism in the 12th Century" at a conference, "Hebraica Veritas? Christian Hebraism in the Early Modern Period," held at the Center for Jewish Studies, University of Pennsylvania, Philadelphia, May 1.

**Michael M. Stanislav**, associate professor of aerospace and mechanical engineering, presented "Design of a Singularity-Free Manipulator" to the Jozef Stefan Institute, Department of Automatics, Biocybernetics and Robotics, May 4. The Institute is an autonomous part of the University of Ljubljana, Slovenia. He presented the same lecture to the School of Engineering at the University of Bologna, Italy, May 9, and to the Department of Mechanical Engineering at the Swiss Institute of Technology in Zurich, Switzerland, May 15.

**Mark A. Suckow**, director of the Freimann Life Science Center, presented "Professional Ethics" at the Institute of Laboratory Animal Management, Memphis, Tenn., May 10.

**Richard E. Taylor**, assistant professor of chemistry and biochemistry, pre-

sented "Synthetic Methods for Chemical Diversity from Structural to Conformational Libraries" at the University of Chicago May 5.

**Jay H. Tidmarsh**, professor of law, presented "Determining the Quantum of Compensation in American Constitutional Litigation" at the Conference on Human Rights Remedies, London, Mar. 17.

**Julianne C. Turner**, Institute for Educational Initiatives and concurrent assistant professor of psychology, presented "The Relationship between Teachers' Instructional Discourse and Students' Quality of Experience in Mathematics Class" at the American Educational Research Association in New Orleans in April and presented "Enriching and Challenging Motivational Theory through the Study of Situated Motivation" at the 7th Workshop in Achievement and Task Motivation in Leuven, Belgium in May.

**James C. VanderKam**, O'Brien professor of theology, presented "Millenarianism in the Ancient Near East" at the Plenary Session of the annual meeting of the American Oriental Society, Portland, Ore., Mar. 14. He presented "The Dead Sea Scrolls and the Bible" at the Seminary of the Immaculate Conception, Huntington, N.Y., Mar. 19, and at Wisconsin Lutheran College, Milwaukee, Apr. 10. He presented "The Dead Sea Scrolls and the New Testament" as part of the symposium, "The Scrolls and Christian Origins," at the Field Museum, Chicago, Apr. 16.

**Scott Van Jacob**, Iberian and Latin American Studies Subject Librarian, gave a demonstration of the Brazilian Government Documents (1823-1993) database at the Center for Research Libraries' annual meeting held in Chicago Apr. 14.

**Michael C. Wiescher**, Freimann professor of physics, organized the Third Workshop on "Frontiers in Nuclear Astrophysics" held Apr. 19-20 at Notre Dame. The workshop had 63 attendants and thirty speakers from Australia, Europe and the United States. He presented "The rp-process at X-ray

burst conditions," at the Conference on the Intersection of Nuclear and Particle Physics, Quebec City, Canada, May 25.

## Publications

**Ani Aprahamian**, professor of physics, co-authored "Low-Spin States From Decay Studies in the Mass 80 Region" with **Michael C. Wiescher**, Freimann professor of physics, published in the *Journal of Research of the National Institute of Standards and Technology*, vol. 105, 2000, pp. 43-52. She co-authored "Lifetime Measurements in  $^{178}\text{Hf}$ " (with R.C. de Haan, H.G. Börner, C. Doll, M. Jentschel, A.M. Bruce and S.R. Leshner), published in the *Journal of Research of the National Institute of Standards and Technology*, vol. 105, no. 1 (Jan.-Feb. 2000), pp. 125-133.

**J. Matthew Ashley**, assistant professor of theology, wrote "Ignacio Ellacuría and the Spiritual Exercises of Ignatius Loyola," published in *Theological Studies* 61 (2000), pp. 16-39.

**Albert-Laszlo Barabási**, associate professor of physics, co-authored "Reducing vortex density in superconductors using the ratchet effect" with C.-S. Lee, B. Jankó, and E. Derényi, published in *Nature*, vol. 400, 1999, pp. 337-340. He co-authored a comment on "Dynamics of ripening of self-assembled II-VI semiconductor quantum dots" with S. Lee, I. Daruka, C.S. Kim, **Jacek K. Furdyna**, Marquez professor of physics, and **James L. Merz**, vice president for graduate studies and research and Freimann professor of electrical engineering, published in *Physical Review Letters*, vol. 83, 1999, p. 240. He co-authored "Molecular dynamics investigation of the surface stress distribution in a Si/Ge quantum dot superlattice" with I. Daruka, S.J. Zhou, T.C. Germann, P.S. Lomdahl, and A.R. Bishop, published in *Physical Review B*, vol. 60, 1999, pp. R2150-R2153. He co-authored "Diameter of the world wide web" with R. Albert and H. Jeong, published in *Nature*, vol. 401, 1999, pp. 130-131. He co-authored "Emergence of scaling in random networks" with R. Albert, published in *Science*, vol. 286, 1999, pp. 509-512. He co-

authored "Mean-field theory for scale-free random networks" with R. Albert and H. Jeong, published in *Physica A*, vol. 272, 1999, pp. 173-187. He co-authored "Dynamics of ripple formation in sputter erosion: nonlinear phenomena" with S. Park, B. Kahng, and H. Jeong, published in *Physical Review Letters*, vol. 83, 1999, pp. 3486-3489. He co-authored "Smoothing surfaces by an ac field: an application of the ratchet effect" with C.-S. Lee and I. Derényi, published in *Epitaxial Growth*, Proceedings of the Symposium of Materials Research Society, San Francisco, 1999, A.-L. Barabási, F. Liu, and T. Pearsall, eds., Warrendale, Pa: Materials Research Society, 1999, pp. 39-44.

**Howard A. Blackstead**, professor of physics, co-authored "Implications of Superconductivity of  $\text{PrBa}_2\text{Cu}_3\text{O}_7$ " with J.D. Dow, published in *Solid State Communications*, vol. 115, 2000, pp. 137-140. He co-authored "Scaling behaviour of rf surface resistance in oxygen deficient single-domain YBCO" with D. Qu, D. Shi, A. Ferendeci, D. Mast and I. Maartense, published in *Superconducting Science and Technology*, vol. 13, 2000, pp. 902-907.

**Lawrence S. Cunningham**, professor of theology, wrote "Religion Book Notes," published in *Commonweal*, Mar. 24, 2000, pp. 24-27, and April 21, 2000, pp. 32-35. He wrote "Faith and Reason: A Vision of the Catholic Intellectual Life," published in *Notre Dame Magazine*, vol. xxix, Spring, 2000, pp. 28-31.

**James T. Cushing**, professor of physics, wrote "A Visão de Mundo da Mecânica Quântica: Determinista ou Indeterminista?" published in *Fundamentos da Física 1: Simpósio David Bohm*, Osvaldo Pessoa Jr., ed., São Paulo, Brazil: Livraria da Física, 2000, pp. 1-18.

**Leonid Faybusovich**, associate professor of mathematics, co-authored "Elementary Toda orbits and integrable lattices" with **Michael Gekhtman**, visiting assistant professor of mathematics, published in the *Journal of Mathematical Physics*, vol. 41, no. 5 (May 2000), pp. 2905-2921.

**Teresa Ghilarducci**, associate professor of economics, wrote "Issues in Privatizing Social Security," the report of an expert panel of the National Academy of Social Insurance, Peter A. Diamond, ed., MIT Press, published in *Southern Economic Journal*, vol. 66, no. 4, April 2000, pp. 1022-24. She co-authored "Unions' Role in Argentine and Chilean Pension Reform" with Patricia Ledesma, published in *World Development*, vol. 28, no. 4, April 2000, pp. 753-762. She wrote "Pension Policies to Maintain Workers' Access to Retirement," in *Back to Shared Prosperity: The Growing Inequality of Wealth and Income in the United States*, Ray Marshall, ed., Armonk, N.Y.: M.E. Sharpe, 2000, pp. 204-210.

**Ulrich Giesen**, research assistant professor of physics, co-authored " $\beta$ -delayed particle decay of  $^9\text{C}$  and the  $A=9$ ,  $T=1/2$  nuclear system: Experiment, data, and phenomenological analysis" with E. Gete, L. Buchmann, R.E. Azuma, D. Anthony, N. Bateman, J.C. Chow, J.M. D'Auria, M. Domsbky, C. Iliadis, K.P. Jackson, J.D. King, D.F. Measday, and A.C. Morton, published in *Physical Review C*, vol. 61, no. 6, 2000, p. 064310 (21 pages).

**Nai-Chien Huang**, professor of aerospace and mechanical engineering, co-authored "Helical Buckling of a Tube in an Inclined Wellbore" (with P.D. Pattillo), published in the *International Journal of Non-Linear Mechanics*, vol. 35, 2000, pp. 911-923.

**James J. Kolata**, assistant chairperson and professor of physics, co-authored "Spectroscopy of  $^{13,14}\text{B}$  via the one-neutron knockout reaction" with V. Guimarães, D. Bazin, B. Blank, B.A. Brown, T. Glasmacher, P.G. Hansen, R.W. Ibbotson, D. Karnes, V. Maddalena, A. Navin, B. Pritychenko, B.M. Sherrill, D.P. Balamuth and J.E. Bush, published in *Physical Review C*, vol. 61, no. 6, 2000, p. 064609 (7 pages). He co-authored "Transfer and/or Breakup Modes in the  $^6\text{He} + ^{209}\text{Bi}$  Reaction near the Coulomb Barrier" with E.F. Aguilera, F.M. Nunes, F.D. Becchetti, P.A. DeYoung, M. Goupell, V. Guimarães, B. Hughey, M.Y. Lee, D. Lizcano, E. Martinez-Quiroz, A. Nowlin, T.W. O'Donnell, G.F. Peaslee,



D. Peterson, P. Santi, and R. White-Stevens, published in *Physical Review Letters*, vol. 84, no. 22, 2000, pp. 5058-5061.

**Edward J. Maginn**, assistant professor of chemical engineering, co-authored "Adsorption Studies of Methane, Ethane, and Argon in the Zeolite Mordenite: Molecular Simulations and Experiments" with M.D. Macedonia, D.D. Moore, and M. M. Olken, published in *Langmuir*, vol. 16, 2000, pp. 3823-3834.

**James J. Mason**, associate professor of aerospace and mechanical engineering, co-authored "Dynamic Stress Intensity Factor Due to Concentrated Normal Loads on Semi-infinite Cracks in Orthotropic Materials" (with C. Rubio-Gonzalez), published in the *Journal of Composite Materials*, vol. 34, no. 8, 2000, pp. 649-669.

**Rev. John H. Pearson, C.S.C.**, director of the Thomas J. White Center on Law and Government, wrote "Thomas Shaffer: He Believes What He Teaches and Lives What He Believes," published in the *Notre Dame Journal of Law, Ethics and Public Policy*, vol. 14, 2000, pp. 1-5.

**Jonathan R. Sapirstein**, professor of physics, co-authored " $\alpha^2$  corrections to the decay rate of orthopositronium" with G.A. Adkins and R.N. Fell, published in *Physical Review Letters*, vol. 84, 2000, pp. 5086-5089.

**Valerie Sayers**, professor of English, wrote reviews of the following books: *The Hook* by Donald Westlake, published in *The New York Times Book Review*, Mar. 19; *The Slow Way Back* by Judy Goldman, published in the *Washington Post Book World*, Jan. 26; *A Gesture Life* by Chang-Rae Lee, published in *Commonweal*, Dec. 17; *Colony Girl* by Thomas Rayfield, published in *Commonweal*, Oct. 22; and *Leading the Cheers* by Justin Cartwright, published in *The New York Times Book Review*, Oct. 14. "An Interview with Valerie Sayers" by Charline McCord was published in *The Southern Quarterly*, vol. XXXVIII, no. 11, Winter 2000, pp. 135-152.

**Alan C. Seabaugh**, professor of electrical engineering, co-authored "MeV ion-induced suppression of resonance current in InP-based resonant tunneling diodes," with B. D. Weaver, E.M. Jackson, and P. van der Wagt, published in *Applied Physics Letters*, vol. 76, 2000, pp. 2562-2564.

**Mark A. Suckow**, director of the Freimann Life Science Center, co-edited, along with Jerald Silverman and Sreekant Murthy, *The IACUC Handbook* (538 pp., Boca Raton: CRC Press). In addition, Dr. Suckow authored the chapter, "Assessment of Veterinary Care."

**James C. VanderKam**, O'Brien professor of theology, is editor in chief (with L. Schiffman) of the *Encyclopedia of the Dead Sea Scrolls* (2 vols.; Oxford and New York: Oxford University Press, 2000).

**Arvind Varma**, Schmitt professor of chemical engineering, co-authored "Electrothermography Apparatus for Kinetics of Rapid High-Temperature Reactions," (with A. Pelekh and A.S. Mukasyan), published in the *Review of Scientific Instruments*, vol. 71, 2000, pp. 220-223.

**John A. Weber**, associate professor of marketing, wrote "Partnering with Distributors to Stimulate Sales: A Case Study," published in the *Journal of Business and Industrial Marketing*, vol. 15, no. 2/3, 2000, pp. 154-162.

# Documentation

## Charge to the Class Last Visit to the Basilica of the Sacred Heart and the Grotto

**Rev. E. William  
Beauchamp. C.S.C.  
May 18, 2000**

These are very special days for all of you, days that you have looked forward to for a long time. It has been a week with all of your friends, many of whom are likely to be your closest friends for the rest of your life. The main emphasis has been on the enjoyment of each other's company and having a good time. But, it is also a time of mixed emotions for all of you. Certainly, it is a time of great happiness and excitement; a time of celebration and looking ahead; a time during which you can celebrate that you have accomplished something ^ you have experienced something ^ that can never be taken away from you. It is also a time of saying farewell, a time to spend with people you did not even know four short years ago who are now the people with whom you reflect upon the great times you have shared, and recognizing that these moments together will be fewer now as you scatter across the country and the world. You know that no matter how much you get together in the future, albeit for weddings, football games, reunions or whatever, it will be different than it is now. You know that you must eventually join the hundreds of thousands who have gone before you from this special place, leaving this community to go into the "real world." This represents a great change in your lives, and regardless of whether or not you are set with a job or graduate school, or still a bit unsettled, you all have concerns about what awaits you, about the decisions you will make, about the person you will marry, the professions you will enter, the world which awaits you and what you will add to it.

It is fair to say that you are entering a troubled world ^ a world in which human life is not held sacred as it should

be, a world in which teenagers and young children are killing each other while adults debate the right of people to possess firearms with no restrictions, a world in which massacres and ethnic cleansing are still going on long after we thought we had learned the lessons from the Nazi atrocities, a world in which more is better, no matter what the cost, a world in which sacrifice and hard work are too often set aside for instant gratification, a world in which commitment and faithfulness to a marriage partner or to an ideal and values that used to be cherished seem to have been forgotten, even by many of the people who used to serve as our role models. But, it is also a world with so much potential, a world in which your generation is more educated than was ever thought possible by those who preceded you, a world with instant communication and mind-boggling technology, a world to which you bring skills, brains and enthusiasm, as well as dreams and aspirations about what you want that world to be. So, it is also a time for you to stop and take inventory, to reflect upon what you have learned here, what this place means to you personally, and how you will make use of what you have gained here.

All of you arrived on campus four years ago just as your forebears have done for decades, with similar anxieties and fears. You were ready to accept new challenges, but a bit concerned about leaving home and meeting new people ^ not sure these people would become as important to you as they are today. While you were here the campus changed a lot with new and expanded buildings and technologies. New educational opportunities continue to develop on the campus and overseas, and Notre Dame's stature as a University is more enhanced every year.

And you have changed as well. Of course, you gained new knowledge in academic subjects. But, on this campus you were given the opportunity to become aware of a wider world with a multitude of problems and many challenges. You were confronted with issues and attitudes, and were challenged to ask questions about our

world, its priorities, and often, its inhumanity. You experienced an independence you had never known before, and you shared your life with people of different cultures, socioeconomic backgrounds and ethnic heritages. Hopefully, you came to recognize more than ever the responsibility you were undertaking as you prepared to enter the world of today.

You are indeed blessed. You have been given an opportunity that is presented to a minute percentage of people your age in the world today. You are very gifted young men and women; you are inherently good and committed; you have worked hard to accomplish what you have achieved; you now stand at the threshold of a new stage in your life, and you venture into the unknown with much ambition and much to offer, and with God's grace to guide you.

With graduation, a time begins when what you choose to do with all that you have been given, all of the opportunities you have shared, all of the experiences you have had at Notre Dame, all of the talent that God has blessed you with, will rest more squarely than ever on your shoulders. The time is here when you will have to take full responsibility for the goals you choose, as well as the route you take to accomplish them. The University and the experiences you shared here have prepared you well to face the challenges which await you. You have indeed been privileged, and it is up to you whether or not you will take full advantage in the right of all of the privileges you enjoy; it is up to you whether or not you will take the lessons you learned in the classrooms, at the grotto, in the residence halls, in Sacred Heart, in volunteer service, and from friends and classmates in moments of tears and laughter. It is up to you whether or not you will make a difference in our world. Your special years at Notre Dame must not be in vain. It must always be a place at which both your heart and your mind were touched.

If our world is to change for the better, you cannot leave it up to somebody else, you cannot assume the problems are too big for you to do anything about. You cannot simply pray that things will get better. A number of years ago I was introduced to a prayer written by an anonymous author that I think is appropriate tonight. I would like to share it with you now.

We cannot merely pray to you, O God, to end war;  
For we know that you have made the world in a way  
That we must find our own path to peace  
Within ourselves and with our neighbor  
We cannot merely pray to you, O God, to end  
starvation;  
For you have already given us the resources  
With which to feed the entire world  
If we would only use them wisely.  
We cannot merely pray to you, O God, to root out  
prejudice;  
For you have already given us the eyes  
With which to see the good in all people  
If we would only use them rightly.

We cannot merely pray to you, O God, to end despair;  
For you have already given us the power  
To clear away slums and give hope  
If we would only use our power justly.  
We cannot merely pray to you, O God, to end disease;  
For you have already given us great minds with which  
To search out cures and healing,  
If only we would use them constructively.  
Therefore, we pray to you instead, O God,  
For strength, determination and willpower,  
To do, instead of just to pray,  
To become, instead of merely to wish.

My prayer for all of you tonight is that you will not accomplish all of your dreams simply because you dreamed too little. I pray that possessions and the drive to secure them will not push aside commitment and caring for those who have much less. I pray that you will be committed to building a new and better earth, and be willing to work to your dying day to accomplish it. I pray that you will never forget that all you have is a gift from God, and it is given to you to use in a manner which brings God's love to all.

You must not be just like everybody else. Your life must be Christ-centered. You must bring to your lives, and the lives of those around you, the love of God that Christ came to share with all of us. You must be inspired to do something good with your life, not just something good for yourself. Ultimately, you will not be judged by your brains, your beauty, your wealth, or even your degree from Notre Dame. You will be judged by such qualities as love, self-sacrifice, commitment, integrity, honor, honesty, a sense of fairness, hard work and humility. You must take what you have learned at Notre Dame and think new thoughts, accept new challenges, and proclaim openly and unabashedly by your actions and your words that you are willing to go beyond what is merely safe and popular, to what is right, and just and love-giving.

It is time for you to leave Notre Dame. But, hopefully, as you leave, it is a time for you to reflect upon what makes this place special, how you are different, and hopefully better, because you were here. It is appropriate that included in this Senior Week is a scheduled visit to the basilica and the grotto because these are special places on this campus. These are the places which hold Notre Dame together, the magnet that draws people to reflection and prayerful commitment to a Christ-centered life. I hope these will always be special places for you, that you will come here often. And in your moments of reflection far from here when you think back to your days at Notre Dame, that you will think about the grotto and the basilica, for it is here where you will find the soul of this place.

God bless you.

## Baccalaureate Mass Homily

**Rev. Edward A. Malloy, C.S.C.**  
**May 20, 2000**

Jess came to Notre Dame from the great state of Idaho, an all-state quarterback with an exemplary academic record and a sibling who had already graduated from Notre Dame. After orientation week passed, Jess came to my room in Sorin Hall one night and said, "I'm not happy here. I want to go home."

After I spoke with him for a while, I said, "Why don't you just stay one more day and come back and see me then," which he promised to do.

Of course, as residence hall people are wont to do, I ran through a mental check list: a girlfriend back home? academic paranoia? a bad experience already with the roommate from hell? Maybe somebody said an unkind word to him and everything took a bad cast. Anyway, Jess came back the next night, and I spoke further with him, and I couldn't find any clues about a particular area of difficulty. In his heart of hearts he thought he wanted to go back home.

Well, this went on day after day. Every night, Jess would come by and say, "I'm going home tomorrow." I would say, "Give me one more day." And he did.

Finally we got to fall break. He said, "I don't think I'm coming back." "One more day, Jess. Come on back after break." At the end of first semester, "I don't think I'll be back for the second semester." First day, there was Jess.

This continued for a whole year—an all-time record in my experience! I came to discover that although we would normally say, "Jess was homesick," we might well have said, "He was home healthy" ... except he could only imagine one home—the one he came from. He had a hard time thinking and risking enough to let Notre Dame become his home away from home.

Through the years, that experience has led me to think about what constitutes a home. We describe a home as more than a house or an abode. It is a place where they know you by name, where you have roots, where you can let your hair down, a place where you can feel comfortable. Some of us, unfortunately, have less than the best experience of home or family. But most of the people I have talked to here have a much more positive experience.

To come from a home and to have a family means to have roots. It provides some continuity across the development of one's life. And to go away from home for college does not necessarily imply no longer prizing the home and family you came from. In fact, it might elevate them to a new level as you come to appreciate at a distance what a difference they have made in your life.

Many people say that when you graduate from college you discover, perhaps for the first time, that your parents are a lot smarter than you ever thought while you lived with them. And you begin to think, especially as marriage and a family of one's own looms on the horizon, that the best teachers you have ever had about what constitutes a genuine home and family remain the ones who gave you birth.

We use the language of family and community here at Notre Dame all the time even though we remind each other of how often we fail ^ because it most accurately captures the kind of group, the union of wills and minds, that we strive to be at any given moment. We hope that those who have spent four or more years here can leave and look back and really miss the people who formed and supported their life here ^ and I am sure they will: the deepest friends of a lifetime, a new set of roots more portable than in the past, and which are constantly reconstituted as time goes on. And then many, and everybody to one extent or another, will begin to form a home away from home that becomes their genuine home, and they become the home bearers and the home makers for the next generation.

This beautiful Gospel image of the vine and the branches, this image of our relationship to the Risen Lord, Jesus the Christ, seems to me akin to this mode of thinking. We have a perpetual, life-giving, and enlightening connectedness. To think of ourselves as related to Christ the vine means we see in him the center and source of our existence, of our life of grace. Like the sap in a plant, the kind of exudation that comes forth from the roots enables us to give good fruit in our time.

The whole experience at Notre Dame remains an endeavor to train the minds, the hearts, and the spirits of you who have come here to study and to learn. We who live here most of the year have tried to give our very best in affecting that result—to give you the skills, the insight and the wisdom we may have gained along the way. And you will hold nothing more precious in that regard than the gift of faith: the understanding that we live in this place as a community of faith and service. We hope that each person who goes forth to establish a new home can bring what they have learned here into their professional and personal and civic life.

What a tremendous opportunity for transformation Christ gives us ^ but only if we remain rooted in Christ, our vine; only if we recognize our interdependency in Christ, the source of unity of the human community.

Fruitfulness can, of course, take a wide variety of forms, and we have celebrated some of them today: you have been commissioned or sent forth or special academic honors have been given to you. Tomorrow, collectively, we will send forth all of our graduates to bear good fruit.

I pray, as does this entire community, that you will in fact bear fruit; that you will remain rooted in the Christ, who

gave you life with the cooperation of your parents; that the families you create in the future can be full of faith and hope and love; and that you will always feel a special bond and affection for this place that has been your home for these many years.

May God continue to bless you with every grace, and give you life and roots. May the foundation you received from your own family of origin help you bear good fruit, just as we have prayed that you will bear good fruit from all you have learned in this community, your home away from home.

## 2000 Spring Commencement Honorary Degrees

**May 21, 2000**

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a woman of generous heart and innate business skills who, where others saw only darkness and despair, found hope. In the aftermath of the Detroit riots of 1967, she co-founded Focus: HOPE to overcome hunger and unemployment, and in three decades has helped transform it into an organization of 800 staff people and more than 50,000 volunteers. In its programs—and in the example of this talented and resourceful woman—hundreds of thousands of people have found the means to fashion good and productive lives.

On  
**Eleanor Mary Josaitis**  
Detroit, Michigan

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a distinguished public servant, dedicated environmentalist and compassionate child advocate. The only woman to hold leadership positions in the Michigan House, Senate and the Executive Office, she sponsored legislation that received national recognition for substantially enhancing the quality of life for children, families and communities. This Michigan Mother of the Year has committed her time and talent to ensuring that all children have a "Chance at Childhood."

On  
**Connie Berube Binsfeld**  
Maple City, Michigan

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a national leader in promoting volunteer service to solve society's ills. As chief executive officer of the Points of Light Foundation, he believes the alienation felt by America's most vulnerable citizens can be overcome by creating connections through service. To meet that challenge, he has expanded and enhanced the organization by building partnerships, bridging differences, and cutting across political and cultural barriers, all to turn points of light into beacons of hope.

On  
**Robert Kerr Goodwin**  
Washington, District of Columbia

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Fine Arts, *honoris causa*,  
on

a native of South Bend who is an artist of international renown. His meticulously engineered kinetic sculptures respond to forces as soft as a breath of air and as powerful as the earth's gravitational pull. In the poetic and silent motion of these sculptures he has made visible the rhythms and order of the universe and put an aesthetic face on the laws of physics.

On  
**George Warren Rickey**  
East Chatham, New York

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a woman who led Nicaragua from the chaos of civil war to reconciliation and renewal as the nation's first democratically elected president. Against radical forces of the right and left, she stood firm in an abiding commitment to education, freedom of expression, and human rights. A devout Catholic whose faith has sustained her in times of tragedy and triumph—both personal and political—she works today through a foundation established in her name and dedicated to the furthering of democracy, dialogue and economic development.

On  
**Violeta Barrios de Chamorro**  
Managua, Nicaragua

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Engineering, *honoris causa*,  
on

an engineer who rose from humble beginnings to graduate from this University and go on to become an international leader in the development of advanced high-temperature materials. In both the public and private sectors he has been at the forefront of technology transfer and cross-fertilization in American industries. Honored by the President with the National Medal of Technology, he has devoted his career to improving lives the world over by making science and engineering work for people.

On  
**William Donald Manly**  
Oak Ridge, Tennessee

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a priest and prelate who has devoted more than forty years to the Vatican's diplomatic corps. Following an impressive record of global service in the Philippines, Spain, Africa, India and Nepal, he was named Pro-Nuncio to the United States and became an influential and highly respected Ambassador to the American Catholic community. Called back to Rome in 1998, he is now President of the Administration of the Patrimony of the Holy See.

On  
**Archbishop Agostino Cacciavillan**  
Vatican City

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a committed peace maker who is the world's most visible civil servant. Secretary-General of the United Nations since 1997, this native of Ghana has brought new wisdom, energy and integrity to the negotiation of both international conflict and organizational reforms. His clear articulation of humanitarian concerns and economic development as pillars of peace building has set the agenda for this new century.

On  
**Kofi Annan**  
New York, New York

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Science, *honoris causa*,  
on

a distinguished theoretical physicist whose contributions have ranged from the mathematical to the experimental. Known as a visionary scholar, his speculations into the high energy relations of protons and neutrons have helped define the field of particle physics. His pioneering work on quantum physics has guided and influenced students and scholars around the world for decades.

On  
**James Daniel Bjorken**  
Stanford, California

At the 155th Commencement  
The May Exercises  
The University of Notre Dame  
confers the degree of  
Doctor of Laws, *honoris causa*,  
on

a petroleum executive with a deep commitment to Catholic higher education. A graduate and benefactor of Notre Dame, he served on the advisory councils for the Law School and the business college, as well as on the Board of Regents of Saint Mary's College, before becoming a trustee and a Fellow of the University. Honored by the state of Indiana for citizenship and by his business associates for entrepreneurship, today he receives the accolades of his University for dedicated and abiding service.

On  
**Robert James Welsh**  
Merrillville, Indiana



## Commencement Address

**Kofi Annan**  
**May 21, 2000**

Father Malloy, Members of the Class of 2000, Ladies and Gentlemen:

Thank you for that most flattering introduction, and thank you for this degree of Doctor of Laws.

It is indeed a great honour for me to share this special day of achievement with so many of you. This University is justly famous, and we can all be very proud to be associated with it.

It has built its reputation for learning on a solid link with the Catholic Church—a body which even we who are not members of it must admire for its message of the universal brotherhood and sisterhood of men and women, of social justice and respect for human life.

Just six weeks ago I had the privilege, with my colleagues in the United Nations system, of being received in Rome by His Holiness Pope John Paul II. Once again I was struck by his acute sense of the times we are all living in, and by his burning desire to see the benefits of human progress more widely and equitably shared.

He spoke of the world's increasing interdependence. He rightly said that this requires new ways of thinking and new types of international cooperation.

And he defined the challenge facing us, at the dawn of the twenty-first century, as that of building a world in which individuals and peoples fully and unequivocally accept responsibility for their fellow human beings, for all the earth's inhabitants.

I was greatly encouraged by this message because it chimes exactly with one that I myself am trying to get across.

In just over three months' time, political leaders from all over the world will gather in New York for the Millennium Summit. In preparation for that meeting I have issued a report, which deals with issues of peace and security, with environmental problems, and with the reform of the United Nations itself.

The longest section in it, which I feel is specially close to the Pope's message, is entitled "Freedom from Want." And it is that theme that I should like to dwell on briefly this afternoon.

One of the aims of the United Nations is "to promote social progress and better standards of life in larger freedom." The founders knew that this aim is inseparable from the other aims—peace, human rights and respect for international law—which they listed alongside it.

Without doubt, in the past half century the world has made great economic gains. Since the 1960s, life expectancy in developing countries has increased from 46 to 64 years; infant mortality rates have halved; the proportion of children enrolled in primary school has increased by more than 80 percent; and access to safe drinking water and sanitation has doubled.

Some parts of the world are now getting richer at almost vertiginous speed. But others are falling further and further behind.

Sixty percent of the world's income is now earned by one billion people living in developed countries, while the 3.5 billion in low-income countries earn less than 20 percent.

Nearly half the world's population has to make do on less than \$2 per day. And some 1.2 billion people—including 500 million in South Asia and 300 million in Africa—are struggling on less than \$1.

No doubt one dollar goes further in the villages of India than in the shopping malls of Indiana. Even so, just imagine what it is like to have only one dollar in your hand to provide for all your

wants and needs each and every day of the year. Just one dollar for food, clothing, education, medicine or shelter.

How do you start a family, or a business, with that kind of capital? How can you enjoy any kind of freedom? How can you escape from pain and despair?

This extreme poverty is an affront to our common humanity. It also makes many other problems worse.

For instance, poor countries—especially those with significant inequality between ethnic and religious groups—are far more likely to be embroiled in conflicts than rich ones.

It is in poor countries, particularly in Africa, that the worst effects of HIV/AIDS and other diseases are concentrated.

And poor countries often lack the capacity and resources to implement policies that protect the environment.

I do not mean to suggest that the poverty of the many is caused by the prosperity of the few, or vice versa. It is not that the poor are exploited. Their tragedy is that they are *excluded* from the world market.

What I *do* suggest is that the extraordinary success of the new global economy offers all of us a great example and a great opportunity. But at present perhaps half of humankind is missing out.

We *must* find ways to enable the rest of the world to join in. We must put the great new global market within reach of the poor, so that they too can become producers and consumers.

My report suggests some ways of doing this. Many of the keys lie in the hands of the developing countries themselves, and especially their leaders. But there is much that the more fortunate people in the world—a category that includes all of us here this afternoon—can do to help.

The future of developing countries depends, above all, on their ability to mobilise capital and attract investment.

And that in turn depends on their goods and services being allowed to compete fairly in the markets of richer countries, such as the United States.

In many cases it also depends on their governments being able to spend money on education and health instead of having to devote all their revenue to servicing external debts.

And when a country *does* adopt sensible policies, it can benefit enormously from financial assistance.

And yet, over several decades during which the industrial world has been enjoying unprecedented prosperity, development assistance has steadily declined.

It is particularly shameful that the United States, the most prosperous and successful country in the history of the world, should be one of the least generous in terms of the share of its gross national product it devotes to helping the world's poor. I am sure many of you share my feeling that this is unworthy of the traditions of this great country.

So there are three areas—trade, debt relief and official development aid—where I hope you will use your privileged position, as citizens of a great democracy, to advocate the changes in public policy that are needed.

But you can also make a difference more directly, as individuals. One of the glories of this University is its emphasis on service learning and volunteerism. A large number of you, I am told, have done service work throughout your years as students here—not just occasional hours tutoring, but major time commitments, here in the South Bend community and, during your vacations, further afield.

Even more encouragingly, Notre Dame students have a tradition of taking a full-time volunteer job for the year after graduation, supported both by the

University and by their parents. I hope many of you will follow that tradition, and make that year a year of real service to those who need it most—the poorest countries and the poorest people.

Let me mention one way in particular that some of you could do that, especially those of you who have acquired skills in information technology—which I suspect is most if not all of you, whatever subject you have majored in.

Information technology, I am convinced, is one of the main keys to economic growth and development for all countries. At present, information technology is even more unequally divided than other forms of wealth. There are more computers in this country than in the rest of the world combined.

But information technology is cheap compared to other forms of capital. It depends less and less on hardware or on major financial investments, and more and more on human brainpower—the one form of capital which, thank God, is fairly distributed among the world's people.

All that is needed is a relatively small investment in basic education, and in making things like computers and cell-phones available to groups of people, so that each individual does not have to buy their own.

That investment can give many poor people access to the new technology. And that, in turn, will enable many poor countries to leapfrog some of the long and painful stages of development that others have had to go through.

Already this is happening in parts of the developing world. Bangalore, an Indian city, has become a centre of the world software industry. Costa Rica, by exporting microchips, achieved the highest growth rate in Latin America last year. Public telecentres have been established in places from Peru to Kazakhstan.

In Egypt—to give just one example—the United Nations Development Programme has helped create Technology Access Community Centres to bring the Internet and fax services to poor and rural areas.

This is where you come in. We are in the process of setting up a United Nations Technology Service—UNITeS for short. It is a consortium of high-tech volunteer corps, which will send people out to train groups in developing countries in the uses and opportunities of information technology.

Net Corps America is a member of this consortium. I am sure many of you here could help, and I hope you will not hesitate to get in touch with them or with the UN Volunteer Programme.

Your year as a volunteer could bring enormous benefits to people in a developing country. It would also make a difference to your own lives, which I am sure you would never forget, and never regret.

In any case, I hope all of you will take a commitment to the wider world, and to the cause of peace and development, into your future careers—whether they be in business, public service, or professions like teaching, medicine and the law.

All of these can have an international dimension. And all offer opportunities to be of service to your fellow men and women.

I feel confident that you will seize those opportunities. I know that Notre Dame represents much that is best and most generous in the American tradition. I am proud, as all of you must be proud, that from this day forward we can call ourselves Notre Dame graduates.

I wish you all a very happy day; and may you live lives of great benefit to others as well as fulfillment to yourselves!

Thank you very much.

## Valedictory

**Elizabeth Ann Wild**  
**May 21, 2000**

Mr. Secretary-General, President Malloy, distinguished guests on the platform, family, friends, faculty, and my fellow members of the Class of 2000:

Class of 2000—you know, graduating in such a notable year may earmark us in popular culture. We'll probably be the subjects of countless surveys, books, and documentaries. In ten, fifty, one hundred, one thousand years, people will want to know what these individuals who graduated at the turn of a century and millennium were like. What did we think? What did we wear? What were our ambitions and our dreams? People might further want to know how we spent our days on earth or how we affected political, cultural, economic, or intellectual trends. All of this, just because we happened to have been born at a time that makes us round about the right age to graduate from college in the year 2000.

Some might say that graduating at the birth of the second millennium after Christ confers upon us a heavy responsibility to our national and global communities, but I tend to disagree. Today I will try to make clear that we do have a responsibility, but this responsibility does not really stem from the fact that the year in which we stand clad in caps and gowns happens to have three zeros on the end of it. Independent of the date, we, as graduates from the University of Notre Dame, certainly carry accountability on a global and national scale; however, we cannot think in such broad terms until we fulfill the responsibilities that we have to ourselves, our loved ones, and most importantly, to God. These are not obligations that we should view as burdens—heavy crosses that we have to carry but they are privileges we should embrace.

With that in mind, I want to ask your indulgence as I share a recent experience with you. It's not something of

which I am particularly proud, but it's a story that will strike a chord of familiarity with many of my fellow graduates and friends in the audience.

I spent my spring break in my hometown of Washington, Pennsylvania this year. As many of my fellow graduates would agree, I saw spring break as a sacrosanct respite from research, papers, and tests, so you can imagine my mortification when I looked at my class syllabus and realized that I had a midterm at 8:30 on the Monday morning after break.

It was this midterm for which I was preparing when I was seated in the waiting room of my dentist's office. An elderly gentleman seated next to me could feel my displeasure. When he asked where I went to school, and learned that it was Notre Dame, he said:

"The Fightin' Irish, huh? Do you like it there? I've always wanted to visit."

I should have said that I love it here. I should have regaled him with yarns about the beauty of the campus and the amazing communal spirit of the student body. Those thoughts, however, were far from my mind as I studied.

"It's a lot of work," I sighed. "Too many papers and tests. Honestly, I can't wait to graduate."

His response arrested my breath:

"Do you know how many people would love even to have the opportunity to be worried about a midterm at Notre Dame?"

Needless to say, he put me in my place. I hope that you remember this story when you find yourselves buried in work at your new jobs, new schools, or places of service. We've been blessed. We were born into environments that afforded us the academic, personal, and financial opportunities to graduate from this University. This is no small privilege, considering that of the approximately fifteen million Americans who enroll in college each

year, less than two percent will graduate from what are considered top twenty schools.

I don't mention this figure to boost your egos, but, rather, I want you to realize how blessed we are. We should take the time to recognize those in our lives who have facilitated this academic journey—to take our nose out of our books and away from our work and say "thank you" to our parents, grandparents, professors, rectors, and members of religious orders. I, personally, would like to thank those of my family and friends, many of whom have traveled here today, whose love and encouragement have allowed me to achieve beyond what I imagined I could have accomplished.

I've also called attention to the small percentage of which we are a part to demonstrate what a unique position we occupy—we have so many paths from which to choose that aren't available to others. But with this choice comes responsibility. Since we will occupy positions of both leadership and ascendancy, it is now our responsibility to set the example of community involvement, business ethics, and moral values.

With all this in mind, I'd like to administer your *final* final exam. A little unfair, I know—it's a pop quiz on the day of graduation, but most things in life don't allow weeks for preparation, review sessions, and study guides. I just want to see what you really have gotten out of your Notre Dame education. It's only three questions, but please, humor me. You can grade your own papers.

First, I want you to think about the following: the reverent hush of the Grotto in the late hours of a still night, the student, who after a semester of persistent struggles, finally understands the words of Shakespeare with his mind and heart, the quiet endeavors of so many—the grounds crews, housekeepers, rectors, and other staff, who dedicate their time and talents to us, the students, and to Notre Dame, the University. I ask you, what do all of these have in common?

In a word, beauty. In an environment where pressures seem to be rushing in from every direction, it is easy to forget to stop and look around and see all those people and things that we take for granted. We might promise ourselves that we'll slow down now after our finals are over, but life only gets busier from here. Medical school, law school, grad school, full-time employment, or service are going to take up our lives. I urge you to make the time to look around and see the beauty that is God, a beauty which literally encircles us in the people and things that we pass by each day.

Question number two—Just as these past four years have been formative for us, so have they been for the world. At home, we have witnessed senseless acts of violence, particularly in our nation's schools. We have been stunned by seemingly unthinkable racial hate crimes. Abroad, we have seen genocide in the Balkans and in Africa and watch today as the Horn of Africa seems to be on the brink of civil collapse. Are we ready to take responsibility for the world of which we may soon be the leaders?

I, myself, sometimes grow tired of people blaming the vice in our own country on violence on television, inappropriate material on the Internet, and the like. I don't pretend that these things have no impact, but I think that it's time that we place some of the blame and responsibilities on ourselves. Teddy Roosevelt said, "the worst lesson that can be taught a man is to rely upon others and to whine over his sufferings." The only way we can stop this spiral is for all of us to say finally—enough.

We need to start by creating healthy homes for our children and safe environments for our local communities, and we need not to rest until our local efforts extend nationally and internationally. In short, we must become active leaders, utilizing the gifts and talents that we have been given. In our ravenously competitive society, which expects us to achieve more and more in our careers, it is easy to lose sight of that which is truly important. Just imagine if the loved ones in your lives

and the faculty and staff of the University continually put their work or research above your personal well being—if they had sounded the anthem of quality versus quantity time so that they were not readily available when you most needed them, my bet is that you might not be seated before me today with all of the opportunities that lay before you. I beg you, never forget that which is beautiful.

This leads me to my last question. By now, most of you have probably picked up your diplomas. When you have the opportunity, open them up and take a look. You'll notice there's a name on it. Do you know that person?

Recently, a future co-worker from Russia asked me, "Why do you need an undergraduate degree? Why don't you just go straight to business school, medical school, or law school?"

That was a really good question and it took me a long time to answer. I thought, "What can I do now that I could not do as an eighteen year old in high school?" I must concede that, if taught on the job, I could have learned how to read stock quotes or write work proposals. What I would be lacking, however, is a love of learning, an awareness of the values that go along with being a responsible member of the world community, and, most significantly, a better understanding of self. The University of Notre Dame has succeeded if, after you say goodbye today, you continue to cultivate your mind and to maintain a high level of intellectual curiosity. Notre Dame has succeeded if you pursue reading, learning, and experimenting the same way that you have done here for the past four years. Only now, you shouldn't need the syllabus.

Moreover, whether through spearheading bone marrow drives for a fellow undergraduate or providing us with an ethical base for conduct, the University has succeeded in making us understand our responsibility to our communities, nation, and world. Each and every one of you, who have forgone undoubtedly higher paying jobs or immediate entry into graduate school, to enter into a position of service to the less

fortunate, are testaments to this idea. Finally, genuine learning and service begins with gaining an understanding of our own abilities, values and beliefs. That is the most precious gift that the University of Notre Dame has offered us during our stay here, and if you can answer "yes" to the question: "Do you know yourself better?" then it is the real sign that you have passed the graduation requirements of this institution.

You know, despite the changes in external appearance with the architectural expansion of the past few years, priorities here have not changed much since the door on the east side of the Basilica was dedicated to the veterans of the First World War—God, Country, Notre Dame. What does that mean?

First, we must cultivate our lives in faith, in which we take care of that "self" of which I spoke. Second, we have a responsibility to use our talents for the betterment of our country and the local communities in which we live; moreover, we must recognize our role in the world community as technology is quickly tearing down barriers between nations. Finally, Notre Dame has always, and will always be, synonymous with family.

This University has been a place able to move forward and to develop while having the unique capacity to maintain its core values. But there is still room for growth and development in areas such as the acquisition of more faculty to decrease class size, in the allotment of funds to allow greater independent research opportunities for the increasingly talented undergraduate student body, and in the development of scholarship and financial aid opportunities. In the future, Notre Dame also will be challenged to take stands on ethical issues concerning the developing technologies in our society. From questions surrounding the morality of genetic engineering to people's right to privacy and safety on the Internet, the University of Notre Dame, as a leader in the global community, should be willing to take a leadership role in the fight not only for the preservation of life, but also for the quality of life.

We should hold Our Lady's University dear to our hearts for all of the opportunities it has afforded us. We should apply Notre Dame's values to renew an emphasis on the importance of family life as the true foundation of society. I had a teacher in grade school who always was admonishing us to "get our ducks in a row," and I think that is what Notre Dame has allowed us to do—to get our priorities straight, to strengthen us in our spiritual lives, and to recognize our responsibility to all people.

In closing, we could have gone to any top twenty university in this country and passed the tests necessary to get us into graduate school or to secure us a work position, but here, we have learned to pass other tests—the tests that are important in our personal lives and in front of God. And our graduation today marks our success. Congratulations.

## Invocation

### Nicholas Glassmaker May 21, 2000

When the sun sets on the farm  
you go to the wash room and unlace  
your boots.

You whip the dust out of your gloves and  
watch the red ball disappearing  
behind the horizon.

Tired and dirty, you approach the basin.  
You splash life-giving water up into  
your face, and  
the day is over.

With that water comes the personal  
reassurance that  
you gave your best effort, and  
tomorrow you will do the same.

In a way, this graduation ceremony is  
a bit like that splash of water. As the  
sun sets on our college careers, we  
stop to recognize our achievements  
and work from the last four years. We  
celebrate a milestone by receiving de-  
grees, and we look to the future, a  
great unknown that we hope to shape  
with good words and deeds. At this  
juncture, it is only fitting that we pray.

Dear God,

Let our hearts be opened to know you  
as a personal God,  
a God who loves all people, uncondi-  
tionally.

As we walk through life, be ever at our  
side,  
and guide us to follow paths that lead  
to your ultimate peacefulness.

Grant us your wisdom and under-  
standing.

Help us truly to "forgive those who  
trespass against us."

Help us to see suffering and sorrow as  
an opportunity to grow  
and not a reason to hate or seek  
revenge.

Grant us your courage and strength.  
Faith is a choice, but it is not the only  
choice.

Give us the strength to follow you on a  
daily basis and  
to choose actions in accord with  
your will.

Grant us your love.

Each human has a deep need for love  
from you and from others.

May we work to satisfy this need by  
recognizing the dignity  
of each human spirit.

We pray for all of this with a strong  
sense of gratitude. You give us every-  
thing we need, and we thank you espe-  
cially on this graduation day. Let this  
day be a splash of water to our faces.  
Let it remind us of all of our good work  
and cleanse us of any regrets. Most im-  
portantly, may this day refresh our  
minds and hearts. Let us look to the  
future conscious of our abilities and  
willing to use them in ways that please  
you. With this as our prayer, we will  
look out to the horizon each day as the  
sun sets and know that God is with us  
as we do our best to walk with Him.

We pray for all of these things in  
God's name  
and in the name of Notre Dame,  
our mother.

Amen.

## Laetare Medal

Sir,

At your own commencement—some half a century ago—the University was no less proud an institution than it is today, but its enrollment, faculty, campus, endowment, and academic reputation were far less widely celebrated.

Our larger scope, surer stance, clearer voice and brighter glow are due in no small part to you, who with our predecessive chairmen, Messrs. Stepan, Carney and Keough, have overseen a flourishing unique in Catholic academe. Such stuff, in fact, as Father Sorin's dreams are made of.

Indeed, we think your stewardship would bring a smile to Sorin's face. During your years as chair the University has greatly increased its number of endowed faculty; enjoyed record numbers of student applications; enrolled the most academically accomplished classes of both undergraduate and graduate students in its history; measurably diversified its student population; dramatically enlarged and improved its physical plant and launched what is already, seven months before its completion, the most successful capital campaign in Catholic higher education.

Participating in that same campaign, you and your wife, Joan, made the largest single gift for student scholarships ever received by Notre Dame, thus assuring that countless young men and women would in future years join you and four of your children as Notre Dame graduates.

Nor have you lavished your time and energy and resources on Notre Dame alone. A prominent lay leader in the Archdiocese of Chicago, you have distinguished yourself as a director of the archdiocese's Big Shoulders Fund. You also have given inspiring leadership on numerous civic, community and philanthropic boards over the years. Recognizing education as a continuum, you have been a vigorous supporter of parochial and Catholic secondary

schools, an advocacy that brought you the highest award of the National Catholic Educational Association.

Salient among your duties as our chair has been the annual reading of the Laetare Medal Citation. The University of Notre Dame du Lac is especially pleased to dispense you from that obligation today, as with gratitude for so many benefactions and so many years of service, it conveys its highest honor

On  
**Andrew J. McKenna**  
 Winnetka, Illinois

## Response

Pat and Monk and everyone, thank you so much. I'm gratified, honored and humbled by this prestigious award.

Pat made reference to the fact that, in my role as chairman over the past several years, I had the privilege of presenting and giving the Laetare medal to the awardee of that year. Now you know the adage, 'It is better to give than receive' – today, it's better to receive.

But 'Laetare'—'rejoice'—I like to think of it as a day of joy, a day of joy for all of us. As I was coming into this building today, a lady came up to me whom I didn't know, and congratulated me. She said, 'You know, you really deserve that medal.' I said, 'Thank you—I don't think we know one another.' And she said we don't. But she said, 'I know a little bit about you. I know you've had a long association with the Chicago Cubs. And anyone who's suffered with the Chicago Cubs deserves a day of joy.'

But I have my day of joy every day, with my wife, Joanie, my seven children, their six spouses, and our twenty grandchildren, almost all of whom are with us here today.

Beyond that, it is also a day of joy to humbly join the many awardees before me, including John F. Kennedy, actresses Irene Dunne and Helen Hayes, Father Theodore Hesburgh, Don Keough, and the late Joseph Cardinal Bernardin, who, at his bedside, had his two most prized possessions – his prayer to St. Francis and his Laetare Medal.

It is also a joy to be with you graduates today, on such an important day, and to receive this award from clearly the center of American Catholicism, the University of Notre Dame. Most, if not all, of you were at the Baccalaureate Mass last night, and yet that Sacrifice of the Mass and the Liturgy of the Eucharist is practiced throughout this campus on a daily basis.

And I would encourage you, as the Secretary-General did, you graduates, to continue your wonderful community service. That's a strong manifestation of your faith.

I would also say that winning an award is always being in the right place at the right time. Well, the time is right, and the place couldn't be better with the spiritual values that are imparted to us through Father Malloy and his great associates.

The final joy is what we take away from this place, and the one thing I think we learn here is more than how to make a living—we learn how to build a life.

So, I would ask all of you to join with me in the Laetare JOY of the day and build our hope for the future.

Again, thank you so very much. God bless you all.



## Staff Awards

**May 22, 2000**

### 2000 SPECIAL PRESIDENTIAL AWARD

This person helps put the "service" in food services. An energetic worker with an unfailingly positive attitude, she has been described as having "a passion to help our guests." That passion has won her high marks as her department has placed ever greater emphasis on the quality of service it offers to students, faculty, staff and other guests. In particular, when the newly-renovated South Dining Hall opened two years ago, this person voluntarily worked long extra hours to help ensure that the new dining experience was as enjoyable as the new setting for it. Having arrived from Vietnam only 14 years ago, she and her husband, also a University employee, now are fixtures of the campus community, with one child already having graduated from Notre Dame and a second now a student here.

We honor

**My Linh Hoang**

### 2000 SPECIAL PRESIDENTIAL AWARD

For this person, what began as a reunion has turned into a trip around the world. Propelled by dedication, skill, and a striving for self-realization, she moved from managing a boss to managing an office, and now she holds out Notre Dame's passport to the world. Because of her, Notre Dame people tonight are experiencing Provence, and in the weeks and months to come will cruise the Mediterranean and the Amazon and the Rhine, tour Ireland, Russia and the Holy Land, and visit an atlas full of sites and nations all over the globe. Equally important, her travel and promotional efforts will generate revenue to support the Notre Dame Alumni Association's scholarship funds, continuing education programs and community service efforts. We honor one of only 20 people to have been named an honorary alumna of Notre Dame:

We honor

**Karen Anthony**

### 2000 SPECIAL PRESIDENTIAL AWARD

This person truly exemplifies the ideals of Notre Dame not only at work but outside it as well. On the job, she often is called to react to aggrieved faculty, angry students, or grieving families, and does so with a marvelous combination of empathy, tact, and strength. Likewise, she regularly handles the most sensitive and confidential details of hiring and promotion not only with thorough professionalism but also with unquestioned integrity. She coordinates a Bible study group in her department, and her personal life is filled with acts of faith and charity—on behalf of her church, of an elderly neighbor, of a struggling family for whom she raised funds at Christmas. Looking beyond her life in the provost's office, she already has decided that the time is coming when she won't work for money anymore but will devote herself entirely to volunteerism through her church. With gratitude and admiration,

We honor

**Vickey Brooks**

#### 2000 SPECIAL PRESIDENTIAL AWARD

This person was a special gift to the University. A woman of deep faith, after work she visited Our Lady at the Grotto, but during working hours she insisted that God was in the details—details such as correct spellings on name tags, correct addresses on invitations, and the correct technicians on hand to manage audio-visual presentations. Her career spanned 25 years, but even more impressive are these other numbers with which she had so much to do: 300, 3, and 1,587,500,000. Three hundred is the number of events she managed, give or take a dinner, during the course of her career; three is for the three separate capital campaigns in which she worked her organizational magic prior to her retirement in December; and 1,587,500,000 is the total number of dollars given to the University, to date, during the course of those three campaigns. That's a lot of thank-yous, and tonight we pay them to her as

We honor

**Barb Kowalski**

#### 2000 SPECIAL PRESIDENTIAL AWARD

This person is an electrifying presence on campus. Virtually every time you flip a switch here, you are benefitting from his knowledge, foresight and talent for innovation. Not only has he virtually rebuilt the University's electrical infrastructure, he also has designed the major electrical service systems for every new building on campus over the last decade. The standardization, efficiencies, and increased reliability he has achieved have saved the University hundreds of thousands of dollars in utility costs, and those savings will continue into the future. Humor is a traditional ingredient of these citations, but there was nothing funny a year ago when this man's dedication to his job resulted in his serious injury from an explosion in the campus cooling towers. With gratitude to God for his survival and continuing recovery and in recognition of his outstanding service to the University,

We honor

**Paul Kempf**

#### 2000 SPECIAL PRESIDENTIAL AWARD

This person first landed at Notre Dame in an academic post, but in the years since, his talents have touched virtually every facet of campus life. Off campus too, his organizational skills and willingness to serve have made him a sought-after and highly decorated community leader. For nine years he led a corps of landscapers, housekeepers, maintenance and mail and other personnel that made Notre Dame's grounds and buildings among the most attractive and best run in higher education. More recently, he has helped keep things flying in the athletic department as facilities manager of the Joyce Center—not to mention his status as the super fan of women's basketball. It is fitting indeed that we present this award to a man who himself established an awards program that now recognizes more than 125 Notre Dame employees each year.

We honor "The Eagle"

**David Woods**

## 2000 SPECIAL PRESIDENTIAL AWARD

Many people will tell you, "Call me if I can help," but this person means it. On one memorable occasion, campus security drove him through a blizzard to attend to an emergency, and in a single recent academic year, he and his staff answered almost 5,000 calls for help, principally from students but from faculty and staff members as well. Beyond consultation, he shares his expertise in the classroom, as a mentor, and on major committees, including those dealing with alcohol abuse and the needs of gay and lesbian students. Both as a practitioner and as the head of a center, he weds compassion and skill in ministering to personal afflictions that range from fleeting emotional distress to chronic illness. For his fervent devotion to the psychological health and well being of the Notre Dame community,

We honor

**Patrick Utz**

## Faculty Awards

**May 23, 2000**

### 2000 JAMES A. BURNS, C.S.C., GRADUATE SCHOOL AWARD

This year's James A. Burns Graduate School Award winner is a dynamic and vital component of Notre Dame's interests in medieval studies in both the English department and the Medieval Institute. A much-sought scholar of international renown in the field of Old English, her publications have not only influenced recent discussions in Anglo-Saxon scholarship but have transformed the discipline. Closer to home, she is widely known for the excitement and intellectual rigor of her courses. Her teaching combines an elegant professionalism with a lively wit that makes her classes memorable, productive and true examples of intellectual community. Dedicated and creative in her support of professional activities outside the classroom, she has helped increase the presence of Notre Dame medievalist at national and international conferences and has organized pre-conference forums where graduate students can present their research to an engaged audience. Her students say she has shared with them a vision of intellectual community and fostered a deep sense of common goals, integrity, and cooperation. To recognize the outstanding contributions of this educator and scholar to graduate education, the University of Notre Dame confers the 2000 James A. Burns, C.S.C. Graduate School Award on

**Katherine O'Brien O'Keeffe**

### 2000 THOMAS J. MADDEN TEACHING AWARD

This year's Madden Teaching award winner is one of those rare individuals who has achieved a perfect balance between internationally recognized research and exceptional teaching. Though only a member of the Notre Dame faculty for the past three years, his courses have already become as much talked about as they are eagerly sought by Notre Dame students. In their words this professor has an "exceptional ability to communicate with and relate to students," and that his genuine enthusiasm in the classroom makes the subject matter at hand infectious. While students praise his commitment to bring his research insights to bear on their course material, scholars in the field praise his willingness to assume a mentoring position in his field. For both he demonstrates how a commitment to the integrity of his discipline is completed by engaged activity in the classroom. For his example we recognize

**James McKenna**

### 2000 REV. PAUL J. FOIK, C.S.C., AWARD

Praised as an "absolutely reliable" and "astonishingly responsive" individual, this librarian has for the past twenty years worked to bring an understanding of the library's full resources to all members of the Notre Dame community. Using customized web pages, library instruction, individual consultation, or informal conversation at campus lectures and meetings, she has helped develop a library without walls. As a scholar she has made important contributions in several areas of librarianship through her publications and her work in the American Library Association. An energetic and welcome member on numerous University committees, she is a person who prides herself on calling things exactly as she sees them. Tonight the University calls her exactly as we see her, the year 2000 Foik Award Winner

**G. Margaret Porter**

## 2000 REV. WILLIAM A. TOOHEY, C.S.C., AWARD

This year's recipient of the William A. Toohey, C.S.C., Award for Social Justice has demonstrated by example and through zealous effort her commitment to the best Notre Dame represents. Since matriculating as an undergraduate, she has worked tirelessly to make Notre Dame become an institution where all young men and women can feel equally at home. While still a student she founded an organization called "Just a Sister Away" which has helped empower women, many of whom are African American, to understand more fully their dignity and the place which will always be theirs on our campus. Over the course of her relatively short time at Notre Dame, she has set a high-water mark in her efforts on behalf of African-American students. Her dedication to African-American spirituality is witnessed through her leadership in "Rejoice!" Black Catholic Mass, and to African-American student achievement through her efforts with the Sankofa scholars program. Tonight we recognize her efforts to realize the full measure of the Notre Dame community. It is our good fortune to bestow the Rev. William A. Toohey, C.S.C. Award upon

**Chandra J. Johnson**

## 2000 REV. WILLIAM A. TOOHEY, C.S.C., AWARD

This year's recipient of the William A. Toohey, C.S.C., Award for Preaching goes to a priest who has served in every capacity offered by Notre Dame's Campus Ministry. He came to Notre Dame as a deacon, but was no stranger to life and ministry here, having served for three years as a rector in the London program and as a staff member in the Office of Student Affairs, prior to his entering the Congregation of the Holy Cross. More recently he has been director of retreats at Notre Dame and has been a regular member or chair of the committee which oversees the celebrations acknowledging the contributions of Dr.

Martin Luther King Jr. to our country. Known for his down to earth homilies reflecting his love for the Church, family and for Notre Dame, this caring priest will leave Notre Dame to pursue a doctoral degree in moral psychology at the University of Minnesota. We celebrate tonight

**Reverend James M. Lies, C.S.C.**

## 2000 PRESIDENTIAL AWARD

For the past fifteen years he has directed the Law Library with distinction, developing the collection to that of a major research institution. He has inspired the library staff to emulate his dedication to service; he has encouraged all who work with him to improve their skills and to seek professional advancement. A former librarian for the Supreme Court of the United States, his contribution to the profession is evidenced by his election to the presidency of each of the major professional organizations in the United States and in Canada. Beyond the stacks of the library, he has been a respected colleague within the Law School and across the campus. His lifelong devotion to improving legal education has earned him universal respect within the American Bar Association, the Association of American Law Libraries, and the Association of American Law Schools. His commitment to living his faith is exemplified through his unstinting service to the poor through the St. Vincent de Paul Society. Tonight we recognize

**Roger F. Jacobs**

## 2000 PRESIDENTIAL AWARD

A national leader in developing faculty teaching skills, she was appointed the first director of the University's John A. Kaneb Center for Teaching and Learning. In four short years, she has moved the Kaneb Center from a two-person Center to a staff of eleven. Under her direction and leadership, one of the Center's primary goals—the revitalization of undergraduate education at Notre Dame—is being evidenced not only at Notre Dame, but around the nation. Her "revitalization" efforts are numerous and diverse: individual consultations; workshops attracting over 1000 participants; a Lilly grant in support of new faculty programs, and an AT&T grant to support teaching well with technology; the inauguration of TA programs and awards; along with her participation on various committees and councils. Her energy, enthusiasm, and talent are the moving and challenging force behind the Kaneb Center's success. For her leadership and example we recognize

**Barbara E. Walvoord**

## 2000 PRESIDENTIAL AWARD

A member of the Notre Dame faculty since 1977, her research in mathematical logic is noted for its unusual combination of breadth and depth. A dedicated and impressive scholar, she is equally impressive in the classroom. Frequently sought out as an advisor, she has directed or co-directed eight doctoral dissertations in mathematics and one in electrical engineering. Her energies as a department and university colleague at Notre Dame are met by her commitment to being a contributing citizen in her field. She has served on several panels at the National Science Foundation, on the program committees of numerous meetings, and was an editor of the *Journal of Symbolic Logic* from 1989 to 1995. It is with great pleasure that we recognize as a Presidential Award winner

**Julia F. Knight**

**2000 PRESIDENTIAL AWARD**

Although she has been a member of the faculty for less than three years, this individual has generated an impressive list of accomplishments. She has helped prepare two successful grant proposals, has offered customized research and instructional assistance to faculty and students in two academic departments, and has raised library visibility on campus and nationally. In 1998 she initiated a project to edit a book marking the centenary of the School of Architecture in 1998-1999. This volume, *100 Years of Architecture at Notre Dame: A History of the School of Architecture 1898-1998*, recently earned the Art Libraries Society of North America-Worldwide Books Publication Award. Tonight we honor an individual who is valued by her colleagues in the University Libraries and by the faculty and students of the School of Architecture and the Department of Art

Jane A. Devine

**2000 PRESIDENTIAL AWARD**

He is one of the world's leading scholars of European, especially German, politics. The recipient of many grants, he was awarded the German Academic Exchange Service Prize for Distinguished Scholarship in German Studies in 1997. A prolific scholar, he has authored numerous books and articles on modern German politics. The 1995 winner of the Charles E. Sheedy Award for Excellence in Teaching, he teaches broader Arts and Letters courses, such as the College Core course, and courses in comparative politics and foreign policy. As a mentor of students he has played a strong role with undergraduate students seeking Rhodes and other international fellowships. Currently completing the first of two terms as Chairperson of Government, his leadership has been marked by exemplary vision, ambitious hiring, and innovations in a variety of areas ranging from undergraduate advising and undergraduate research opportunities to junior faculty mentoring and alumni outreach. Tonight we recognize

A. James McAdams

**2000 PRESIDENTIAL AWARD**

Joining our faculty from the other side of the world in 1986, this recipient, his wife and two daughters viewed Notre Dame as an opportunity to reinforce family values and participate in a more intense research environment. He has served Notre Dame on numerous key University committees and guided a department to excellence as its chairman while assuming legendary teaching loads. An extraordinary teacher, he has been recognized six times as the Outstanding Teacher of the Year in the College undergraduate, the Master of Business Administration, and the Executive MBA Programs. In research, moving from mathematics to finance, this recipient has changed the way his profession views new stock issues and unselfishly contributed his time to colleagues with statistical dilemmas. An exemplary scholar and teacher, we honor

John Affleck-Graves

**2000 REINHOLD NIEBUHR AWARD**

Three strands have given shape to this honoree's professional life: Her commitment to teaching creatively by challenging students and understanding how they learn best, her passion for the Catholic Social Teachings, and her continual pursuit of justice and peace in the University and the world. During the more than quarter of a century that she has been a part of Notre Dame, she has worked with others to develop what is now the Kroc Institute for International Peace Studies, the Concentration in Peace Studies, the Gender Studies Program, and the Concentration in Catholic Social Tradition. She has worked at the Center for Social Concerns since its inception in 1983, serving as a creative and passionate presence in the formation of programs and courses with "a disciplined sensibility to the poverty, injustice and oppression that burden the lives of so many." She has helped to articulate and shape the University's identity as a nationally recognized Catholic university by participating in many commit-

tees and representative bodies where the mission and the vision of the University were articulated and addressed. She has written extensively in the area of Peace and Service Education and is remembered by her many students as a professor who offered them the opportunity to explore the ideas and experiences of the great prophets of the Christian/Catholic tradition who spoke out on behalf of the marginalized. She is a scholar/teacher/administrator who has proved that Catholic Values and academic excellence can go hand in hand to provide a deeper experience for students and add richly to our understanding of justice education and community. Tonight we are especially privileged to honor

Kathleen Maas Weigert

**2000 JOHN "POP" FARLEY AWARD**

Known as much for his accessibility as his concern, this hall rector was always as eager to sit with his residents long into the night discussing current events as he was willing to offer guidance to individuals in times of special need. As a mentor he championed dorm spirit while showing the way to connect one's spiritual life to worldly action. His special work with the Life Treatment Center serves as an example of pastoral leadership, and the many weddings and baptisms he has celebrated with former Sorin residents testifies to his friendships. As one former Sorin resident has said, "Our rector was just plain good to us. He was like a father. He helped us to grow up." For all the service he has rendered in the spirit of John Francis Farley, C.S.C., to the men of Sorin Hall, and the larger University community, we honor

Father Stephen P. Newton, C.S.C.

## GRENVILLE CLARK AWARD

This year's Grenville Clark award winner has given a new name to being a hands-on advocate for social causes. Since 1995 he has served as the faculty advisor to the Notre Dame Campus Chapter of Habitat for Humanity and has been a member of the Board of Directors of the St. Joseph affiliate of Habitat for Humanity. Under his watch, the Notre Dame group has been recognized as one of the best chapters in the country; the only one to have completely funded and built six homes in as many years. Always eager to lend a hand, he joined a group of twenty-three students in the summer of 1998 and helped build the first ever student-constructed house at a Jimmy Carter Work Project in Houston, Texas. Closer to home, this fall he will lead the club as it begins work on its seventh house on the northwest side of South Bend. We are especially honored in recognizing

**David J. Kirkner**

## 2000 FACULTY AWARD

For over three decades, this year's Faculty Award winner has been the rock upon which Notre Dame's psychology department stands, not only as chair, but as the trusted confidant and advisor to the six subsequent chairs. A clear and consistent voice for quality scholarship, excellence in graduate and undergraduate teaching, social justice and diversity, he has shaped Notre Dame's psychology department like no other person. His scholarly contributions to the fields of exceptionality, metacognition, parenting and developmental delays have received international acclaim, and many millions of dollars in grant support. In great demand for service on committees and advisory boards, he has molded not only psychology's but also our nation's approach to dealing with several troubling societal problems. Finally, as a model of compassion and integrity, one must search far and wide to find his equal. And so, as a prototype of the scholar-teacher, we honor the winner of the 2000 Faculty Award

**John G. Borkowski**

## 2000 PRESIDENTIAL AWARD

A star teacher in the physics department who is internationally known for his work in high-energy physics particle detectors, he has also long been involved with K-12 education, volunteering his time for demonstrations in local schools and working with science fairs. Most recently, he has spearheaded the QuarkNet project, a national program to involve high-school teachers and students in cutting-edge research. Notre Dame was one of the first universities in the country to have one of these outreach programs last summer, and this summer the program will be greatly expanded. A leader in the international physics community and in education, he is highly deserving of University recognition. Tonight we meet that challenge as we bestow a Presidential Award upon

**Randal C. Ruchti**

In memory of

**D.J. Bernardis,**

whose life was tragically cut short before the promise of his future could be realized, the University of Notre Dame presents this Presidential Certificate on the occasion of what would have been his graduation from the University,

**May 21, 2000.**

The memory of D.J. and the hopes and dreams that he carried with him will forever live through the Notre Dame students who attend the University with the assistance of the D.J. Bernardis Memorial Scholarship Fund.

May they always be inspired by his life and strengthened by his memory.

Reverend Edward A. Malloy, C.S.C.,  
President



## Faculty Promotions

### To Emerita or Emeritus

Larry G. Ballinger  
MBA Alumni

Roger K. Bretthauer  
Chemistry and Biochemistry

William J. Cerny  
Music

Dorothy Coil  
University Libraries

Fabio B. Dasilva  
Sociology

Josephine Massynbaerde Ford  
Theology

Abraham Goetz  
Mathematics

Richard A. Lamanna  
Sociology

David T. Link  
Law School

Stuart T. McComas  
Aerospace and Mechanical  
Engineering

William D. McGlinn  
Physics

Kenneth E. Moore  
Anthropology

Victor W. Nee  
Aerospace and Mechanical  
Engineering

Walter Nugent  
History

Timothy O'Meara  
Mathematics

John A. Poirier  
Physics

Barth Pollak  
Mathematics

Irwin Press  
Anthropology

Paul A. Rathburn  
English

H. Ronald Weber  
American Studies

### To Assistant Professional Specialist

Derek E. Chalfant  
Art, Art History and Design

Andrew B. Deliyannides  
Graduate School

Douglas A. Franson  
Graduate School

Karen M. Pace  
Graduate School

### To Associate Professional Specialist

Jill G. Lindenfeld  
Physical Education

Warren G. Outlaw  
TRIO Program

Kathleen A. Peterson  
Chemistry and Biochemistry

Ava Preacher  
Arts and Letters Deans Office

Maoyu Shang  
Chemistry and Biochemistry

Daniel C. Stowe  
Music

Anre Venter  
Psychology

Michelle A. Whaley  
Biological Sciences

### To Professional Specialist

Thomas E. Bogenschild  
Off-Campus Programs

Richard E. Donnelly  
Film, Television and Theatre

Anastasia F. Gutting  
Undergraduate London Program

Howard T. Hanson  
Graduate School

Pamela A. Krauser  
Graduate School

Jerry G. Langley  
Finance and Business Economics

### To Assistant Librarian

Donna G. Stevenson  
University Libraries

### To Associate Librarian

Carmela R. Kinslow  
Law Library

Thurston D. Miller  
University Libraries

### To Associate Research Professor

Alexei O. Orlov  
Electrical Engineering

### To Director

R. Scott Appleby  
Director, Joan B. Kroc Institute for  
International Peace Studies

Felicia B. LeClere  
Director, Laboratory for  
Social Research

### To Associate Dean

Walter F. Pratt Jr.  
Law School

Vincent D. Rougeau  
Law School

Joel E. Urbany  
Business

### To Associate Professor and Tenure

Patricia A. Blanchette  
Philosophy

Peter A. Cholak  
Mathematics

Michael S. Driscoll  
Theology

Bradley S. Gibson  
Psychology

Andrew C. Gould  
Government and International Studies

Sandra M. Gustafson  
English

Douglas C. Hall  
Electrical Engineering

Gregory V. Hartland  
Chemistry and Biochemistry

Xiaobo Hu  
Computer Science and Engineering

Cyraina Johnson-Roullier  
English

Martina A. Lopez  
Art, Art History and Design

Edward J. Maginn  
Chemical Engineering

Gerard K. Misiolek  
Mathematics

Gretchen Reydam-Schils  
Program of Liberal Studies

Maura A. Ryan  
Theology

Susan G. Sheridan  
Anthropology

David A. Smith  
Psychology

Gregory L. Snider  
Electrical Engineering

Maria C. Tomasula  
Art, Art History and Design

### To Tenure: Associate Professor

Terrence W. Rettig  
Physics

Sergei Starchenko  
Mathematics

### To Professor

Alexander Blachly  
Music

Theodore J. Cachey  
Romance Languages and Literatures

Gregory T. Gundlach  
Marketing

Alex A. Himonas  
Mathematics

David R. Hyde  
Biological Sciences

Dennis C. Jacobs  
Chemistry and Biochemistry

Gary A. Lamberti  
Biological Sciences

David T. Leighton Jr.  
Chemical Engineering

H. Fred Mittelstaedt  
Accountancy

Stephen E. Silliman  
Civil Engineering and  
Geological Sciences

Mitchell R. Wayne  
Physics

### To Endowed Professor

Joseph A. Buttigieg  
William R. Kenan Jr.  
Professor of English

Daniel J. Costello Jr.  
Leonard Bettex  
Professor of Electrical Engineering

Michael J. Crowe  
Rev. John J. Cavanaugh, C.S.C.  
Professor of the Humanities

Margaret A. Doody  
John and Barbara Glynn Family  
Professor of Literature

Ahsan Kareem  
Robert M. Moran  
Professor of Civil Engineering

David N. Ricchiute  
Deloitte & Touche  
Professor of Accountancy

Robert E. Rodes Jr.  
Paul J. Schierl/Fort Howard  
Corporation Professor of Legal Ethics

Billie F. Spencer Jr.  
Leo E. and Patti Ruth Linbeck  
Professor of Civil Engineering

James C. Turner  
Rev. John J. Cavanaugh, C.S.C.  
Professor of Humanities

## Faculty Senate Journal

March 7, 2000

The chair, professor Jean Porter, called the meeting to order in room 202 of McKenna Hall at 7:00 p.m. The journal for the meeting of February 9 was still in process and not yet available for approval. Porter proceeded to the chair's report (printed as Appendix A of this journal) which encompassed seven items:

1. She noted the passing of professor Richard McCormick, SJ, and said memorial resolutions for him and Notre Dame's late soccer coach Michael Berticelli will be offered later in the meeting.
2. She reminded Senators and all faculty to return their completed surveys on the performance of the Provost as soon as possible.
3. The next Senate Forum will be April 10, 3:00-5:00 p.m., on faculty diversity. She congratulated the planning committee, chaired by professor Stuart Greene, for their work and urged all faculty to attend the next one.
4. She announced that professors Laura Bayard, Thomas Cosminano and Ava Preacher will serve on the nominating committee for this year's Senate elections; other volunteers were sought as well.
5. She said Dr. Peter Lombardo, Senate co-secretary, had agreed to assist Notre Dame Security/Police in their self-study and strategic planning process. He welcomed suggestions and concerns to pass along.
6. The Academic Council's Faculty Affairs Committee will soon receive a report from its subcommittee assigned to work on the Senate's faculty alcohol policy guidelines. The Council has yet to act on two other Senate initiatives: on adjunct faculty, and on increasing the size of the faculty.
7. She said the Senate will be asked later in the evening to consider a motion to endorse as a Senate statement

the report of two committees, tasked at the last meeting to write a report for the ad hoc committee on student and academic life appointed by President Malloy. She thanked the members of the committee who studied the issues and drafted the report.

She further reported that a Senator may ask the Senate to consider a motion at this meeting related to sweatshops and Notre Dame's position on this issue. Through her oversight, the chair neglected to present this issue to the executive board and apologized to the Senate for this. Material about this motion was distributed for committee and perhaps full Senate consideration.

The chair then asked the Senate to move on to the two memorial resolutions. First, professor Paul Conway, a former member of the Faculty Athletic Board, presented and read the resolution in honor of Coach Berticelli, who died on January 25, 2000. The Senate passed the resolution unanimously by voice vote and observed a moment of silence in his memory. Porter herself asked the Senate for permission to present the resolution in honor of Fr. McCormick, her longtime colleague in the Department of Theology, who died on February 12, 2000. The Senate agreed. She read the resolution and spoke briefly about her association with him and his prominence in the field of moral theology. The Senate passed the resolution unanimously by voice vote and observed a moment of silence in his honor. The two resolutions are printed as appendices B and C of this journal.

The Senate then recessed for 45 minutes for committee meetings. At 8:05 p.m. the Senate reconvened and heard committee reports.

**Academic Affairs.** The chair Cosimano reported the committee will look into what is termed "grade inflation." A report they received indicated that in the period 1996 to 1999, the average grade point average had risen from 3.1 to 3.3. They will look to see the reason(s) for this. Also the Student Body President met with the committee to discuss Student Government's report to the Trustees in May on Uni-

versity governance; the Senators explained the faculty role as it stood now, and heard from the students about their desire for greater and more effective representation for students.

**Administration.** Bayard, reporting for professor Ikaros Bigi who was not able to attend this meeting, noted that the committee was looking at ways to encourage a good response to the Senate's provost survey (especially asking the chair to remind all faculty and asking individual members to remind their departmental colleagues). Also the committee would like to hear from President Malloy about his vision for a reinvigorated Faculty Athletic Board.

**Benefits.** The chair Klaus Dieter-Asmus said the committee has returned to the Retiree 2000 issue: what would happen to the enrollees if it ever was terminated? The answer has to come from Human Resources before the committee can review it and report to the Senate. He said the University is looking at a third vendor for the 401B plan in addition to TIAA/CREF and Fidelity. The possibilities are Janus, Putnam, Vanguard and T. Rowe Price. Both the Senate, represented by Asmus, and the Staff Advisory Committee have been asked to participate in the selection process. Professor A. Edward Manier pointed out that at least one possible vendor had been the subject of some unfavorable publicity in *The Wall Street Journal*. Asmus would be happy to receive comments and bring them to the discussion. Professor Richard Sheehan asked why only one new choice would be offered. Asmus did not know the answer to that, but would ask.

**Student Affairs.** Preacher, the chair, reported on three issues. First, assistant to President Malloy, Chandra Johnson, met with the committee to discuss the ban on *Observer* GALA ads; since she felt she could not speak for the President, she suggested asking him to meet with the committee. They have done so, but have not as yet received his answer. Second, they discussed the report to the ad hoc committee which the Senate will consider later under "New Business." Third,

they talked about the sweatshop issue materials.

Conway asked if there was any way to follow up on those had not responded to the provost survey. Porter said only a general reminder would be possible at this point, but thought the Senate might consider other means for future surveys.

The chair next turned to the report from two committees of the Senate to the ad hoc committee on academic and student life. The Senate was being asked to endorse the report (no second needed). Lengthy discussion followed.

Professor John Robinson, a member of one of the committees which wrote the report, was confused by the operative paragraph. Was the Campus Life Council being revamped or abolished? Would a new version have power or not? Does the University need a new entity to tell other entities to talk to each other? He could not urge adoption of a resolution to endorse the report. Manier was not confused by the paragraph; rather, it was clear that if a new entity came into being, the old one would fade away. Robinson's point on the power of a new body was well-taken, but standard AAUP practice indicated to Manier that a university would rarely reject a recommendation from a recognized faculty body, where faculty have competence, without some accountability. Manier's view on this was that Notre Dame should take a new committee's role as seriously as it takes the role of the Provost's Advisory Committee (PAC) in, for instance, faculty promotions. The narrative of the report described a violation of academic freedom, an area where faculty have competence. If such a committee existed now, its recommendation for action, policy and procedures would be taken seriously. In such a case, the provost should have been involved with the faculty. The mission statement clearly states and looks for the involvement of faculty. The recommendation in this report sought to carry that forward, and Manier supported its endorsement.

Professor Michael DePaul asked if PAC had an elected chair and a predomi-

nance of elected faculty. When told no to both questions, he proposed as a friendly amendment adding the phrase "except that it should have a predominance of elected numbers and an elected chair." This was accepted. Professor William Eagan remembered that in the good old days there was a body that was independent of the presiding officer and was composed of 8 faculty, 8 students and 8 administrators – the Student Life Council – with legislative authority co-existent with the vice president for student affairs and subject to veto by the president and/or the Board of Trustees. It worked for a while and then was replaced by a board with no authority. Preacher said the committee had the SLC in mind as a kind of model for their new entity.

Professor Philip Quinn spoke about the purpose of the report now before the Senate. As a proposal for a specific body, the report was only vague and hortatory, as it should be at this stage since the Senate was trying to set a direction for other bodies to take on this issue, not making a specific and definitive proposal. He favored the motion because it represented Senate thinking on the most desirable direction in which to move. Professor Barbara Green noted that early sections of the report, not just the recommendation of a new entity, were also important and instructive because they present what the Senate learned in its study of the WRC issue last year. One thing was there was no "space" for student organizations to contemplate academic and intellectual issues. This was a structural problem they learned about, and it would be instructive to pass that on to the ad hoc committee.

The chair recognized Robinson to speak for the second time on this motion. He questioned points #3 and #6 on the list of responsibilities of a new committee. Both he felt were too broadly stated. The CLC or its successor ought to continue to deal only with the issues it has dealt with, and not have its mandate broadened so widely. Manier too spoke for a second time, and did not greatly disagree with Robinson. Procedural fairness for students is now part of the CLC mandate, and as written #3 was a stretch for a

new entity. It would be appropriate to limit #3 to student life issues, and he proposed as a friendly amendment to insert "in student life throughout the University" after procedural fairness in #3. This was accepted. He also agreed that #6 may be overly broad and may be in his words "too Supreme Court-ish." He did not have at hand wording to correct this.

Professor Michael Detlefsen believed #6 did not belong at all and detracted from the integrity of joining student life and academic life. He proposed to strike #6, and this was ruled a substantive change. Quinn seconded Detlefsen's amendment. Manier would like to see #6 restricted but not eliminated entirely. He gave as an example that Notre Dame's action in refusing to recognize Outreach ND was arbitrary, and was not accompanied by a convincing rationale. This affected campus life in a very basic way. Detlefsen thought Manier's example would be covered by #3. Professor Mario Borelli asked the Senate if it wanted to go on record as not being concerned with issues of diversity. Adoption of this amendment would signal that. He hoped not. Quinn disputed Borelli's remarks by saying the document stated issues "include but not limited to" what was written. For him #6 was too general and weakened the overall document.

The Senate then voted on Detlefsen's amendment:

Yes – 10

No – 16

The motion failed and debated resumed on the original motion.

DePaul spoke again on the motion and referred to Green's comments earlier. He said the early parts of the report were simply complaining about a battle fought and lost. Dredging up the past was not useful. A general rationale would be better and would not tie the proposal to a lost battle. Such a rationale would appeal to general notions of academic freedom and the importance of faculty involvement in student life. Preacher tried to clarify the purpose of the report, as input for the ad hoc committee, and she was con-

cerned about DePaul's incorrect characterization of the WRC issue as a battle lost. The Academic Council asked the CLC to discuss two points, but they were unable to do so due to the composition of the CLC and its structure under the vice president for student affairs. This circular and lack of accountability were the points raised in the report. Professor Donald Howard offered as a friendly amendment the addition of the word "student" in #6, and this was accepted.

Conway asked Porter to explain why the Senate had to vote formally to send this document to the ad hoc committee. She said the resolution asking the two committees to write a report stated that the report be "Senate input" to the ad hoc committee. For that to happen, the Senate by vote must endorse it to pass it along as "Senate input." Conway asked if it could go just as a report to the ad hoc committee. Porter said it could but only as a Senate committee report, not as a report of the Faculty Senate. Eagan stated again that any new entity would mean nothing if that body had no authority.

The Senate voted on the motion:

Yes - 23

No - 3

The Senate endorsed the report and voted to send it to the ad hoc committee. It is printed as appendix D of this journal.

#### NEW BUSINESS

The Student Affairs Committee had a resolution to present on the sweatshop issue:

Be it resolved that the Faculty Senate endorse the initiative of the Progressive Student Alliance in favor of Notre Dame's joining the Workers' Rights Consortium by April 1, 2000.

As a committee motion, no second was needed. Preacher spoke for the committee and said the Progressive Student Alliance (PSA) had presented material and a draft resolution on this issue to them. The committee wished only to consider the motion as stated. Notre Dame has already expressed

some willingness to join the WRC; the PSA is pushing, further, for Notre Dame to drop out of the Fair Labor Association as well. The April 1 date was important because members as of that date will be part of the founding conference which would begin to set standards for the organization and for monitoring sweatshops. Robinson believed that before Senate action we should hear from someone from the General Council's office, like William Hoyer; at this point Robinson did not have enough information to make a decision. Cosimano agreed, and suggested Professor Lee Tavis as someone else who would be able to provide informed insight on this issue.

Manier spoke in favor of the motion. The accusations in the materials distributed may or may not require further information, but they are substantive. One example: 4 of 6 corporate representatives must agree before the FLA can take a stand or any substantial decision; that was to him almost veto power. There was no commitment to a living wage while the Department of Labor worked on a report. Other FLA standards disturbed him and probably would disturb Hoyer and Tavis as well. He noted that in some areas WRC proposals, went beyond the FLA's, especially in areas like securing women's rights. Borelli pointed out that the resolution said only that Notre Dame should join the WRC, and there was no mention of dropping FLA. He favored that. The chair clarified the motion underscoring what Borelli said, that the Senate was only being asked to endorse the initiative to join the WRC by April 1. It did not call for withdrawing from the FLA. Borelli offered wording as a friendly amendment, and it was not accepted. Detlefsen wondered if membership in both organizations was possible and wise. Preacher said a letter from Hoyer to the PSA said that Notre Dame saw no contradiction in belonging to both.

The Senate then voted on the motion:

Yes - 23

No - 5

The Senate agreed to the motion. The resolution is printed as appendix E of this journal.

Porter called for adjournment. Lombardo so moved, Manier seconded, and the Senate adjourned at 9:00 p.m.

Present: Asmus, Bayard, Borelli, Cachey, Celveland, Conway, Cosimano, Costa, DeBoer, DePaul, Detlefsen, Eagan, Esch, Freeh, Green, Hayes, Howard, Klein, Kurama, Lombardo, Manier, Mendenhall, Nordstrom, Porter, Preacher, Quinn, Riveria, Robinson, Sheehan, Sheridan, Welsh, Zuckert, Selak

Excused: Bigi, Brandt, Fein, Godmilow, Greene, Kirkner, Munzel, Perry, Popelka, Wayne, Wolbrecht, Canalas

Absent: Dowd, Geary, Powers, Renaud, Thomas, Urbany

## Appendix A

Chair's Report, Mtg of 3/7/00

My chair's report this evening includes seven items.

First, we note with sadness the passing of our colleague Professor Richard McCormick on February 12, 2000. As you know, memorial resolutions for Men's Soccer Coach Michael Berticelli and Professor McCormick will be offered this evening.

Secondly, the Faculty Senate survey on the performance of the Provost is about to be distributed. In order for this process to function properly, we need to secure as high a return rate as possible. I would like to ask each of you to encourage your colleagues to take the few minutes needed to complete and return this survey.

Third, the second Faculty Senate Forum on Academic Life was held on February 14th on the topic of "Arts and Letters: Departments, Institutes, and Collective Resources." This forum was unavoidably scheduled at the same time as several other events, including a meeting of the Provost's Advisory Committee, and as a result, it was not as well attended as the first forum. Nonetheless, excellent panel presentations were followed by a challenging and far-reaching conversation on the

role of institutes and centers and their relation to departments. We once again owe a debt of gratitude to the planning committee, chaired by Professor Stuart Greene, for their efforts in facilitating faculty exchange. The next forum, on the topic of faculty diversity at Notre Dame, is scheduled for April 10th from 3 to 5, with the location to be announced.

Fourthly, it is not too soon to begin thinking about the elections for officers of the Senate which will be held in May. In accordance with the provisions of the Bylaws, the slate of officers for this election is prepared by a Nominating Committee composed of no less than five, and no more than seven persons, drawn as far as possible from all the constituencies represented in the Senate. Although the Bylaws do not require it, it has been our custom to draw the Nominating Committee from Senators who will not be returning next year. Accordingly, I have asked Professors Laura Bayard, Tom Cosimano, and Ava Preacher to serve on the Nominating Committee this year, and I would like to ask those of you who are leaving the Senate to consider serving with them on this committee. We are in particular need of representatives from the Colleges of Arts and Letters, Science, Engineering, the Law School, or the Emeritus Faculty. Anyone who is interested in serving in this capacity should contact me directly; in the absence of volunteers, I will soon be contacting some of you.

Fifth, on February 25th I received a letter from Mr. Rex Rakow, Director of Campus Security, inviting me to send a representative of the Senate to participate in a process of self-study and strategic planning currently being carried out by Campus Security. Professor Peter Lombardo has agreed to serve in this capacity; if you have any concerns or suggestions having to do with Campus Security, please contact him directly.

Sixth, at the last meeting of the Academic Council on March 2nd, it was reported that the alcohol policy, which was forwarded to the Academic Council by the Senate last year, is about

ready to come to the full Faculty Affairs Committee from the subcommittee that has been working on it. There is nothing to report at this time on two other Senate proposals currently being considered by committees of the Academic Council, namely the proposal to add a representative from among adjunct faculty to the Senate, and the proposal to increase faculty lines by 150. I was not able to attend that meeting, and I would like to thank Professor Phil Quinn for going in my place.

My seventh and final item concerns the joint report of the Committee on Academic Affairs and the Committee on Student Life which you will be asked to consider this evening. As you will recall, these committees were charged with the task of preparing Senate input into the ad hoc committee on Student and Academic Life, which was appointed last fall by President Malloy to explore the relationship between the academic and student life missions of the University. The report you have received represents their proposal for the Senate's official contribution to the ad hoc committee. In order for this proposal to stand as a statement of the Senate as a whole, it must be accepted as such by a vote of the Senate, and for this reason you will be asked to consider a motion to endorse this report. In order to avoid future misunderstandings, I would like to add that it is not necessary for the Senate to vote to accept a committee report, in order to receive the report and enter it into the minutes as a statement of the committee in question. The motion to endorse, if adopted, will imply that the Senate accepts the report in its entirety as its own position. Whatever your disposition of that motion, I am sure that you will join with me in thanking our colleagues on these two committees for their hard work in preparing this report on somewhat short notice.

That concludes my report. Are there any questions?

## Appendix B

Memorial resolution in honor of Professor Michael A. Berticelli

Whereas Coach Michael A. Berticelli served the University of Notre Dame community for ten years with dignity and loyalty as the Men's Varsity Soccer Coach; and

Whereas Coach Michael Berticelli led the team to 3 conference championships, 3 NCAA Tournament Appearances, 7 straight years of national ranking and over 100 wins during his tenure as Men's Varsity Soccer coach; and

Whereas Coach Michael Berticelli's teams consistently earned a 3.0 cumulative grade point average or above, produced 3 academic All-Americans and received the National Soccer Coaches Association of America Team Award for 4th highest team GPA for the 1998-1999 academic year; and

Whereas Coach Michael Berticelli's dedication to the sport of soccer extended beyond the confines of the Notre Dame campus to the South Bend community and further across the entire United States, especially in terms of his contributions to youth soccer and coaching education; and

Whereas Coach Michael Berticelli's profound and lasting effects extend beyond his impact on athletics to include his many contributions as a teacher, colleague, role model and mentor; and

Whereas Coach Michael Berticelli's commitment, honesty, courage and consideration for others serve as a model for all who knew him and carry his memory with them;

And whereas Coach Michael Berticelli died on January 25, 2000;

Be it resolved that the Faculty Senate of the University of Notre Dame express its affection and esteem for our late colleague, Coach Michael Berticelli; and



Be it further resolved that the Faculty Senate express its appreciation for the many contributions that Coach Michael Berticelli made to the University of Notre Dame during his time of service on its faculty; and

Be it further resolved that the Faculty Senate observe a moment of silence in grateful memory of Coach Michael Berticelli; and

Be it further resolved that a copy of this resolution be sent to Coach Michael Berticelli's widow, Cinda Berticelli, to his children Nino and Anthony, and to the faculty of the Department of Athletics.

## Appendix C

Memorial Resolution in honor of Professor Richard A. McCormick

Whereas Professor Richard A. McCormick, S.J., was a member of the Department of Theology of the University of Notre Dame for 12 years, from his appointment in 1986 as the John A. O'Brien Chair of Christian Ethics until his retirement in the spring of 1998; and

Whereas Professor Richard McCormick was an internationally known expert in the field of Catholic moral theology, whose 20 books and innumerable articles helped to define Catholic moral thought in the critical years leading up to and following the Second Vatican Council; and

Whereas Professor Richard McCormick served the Church and the academy as a past president of the Catholic Theological Society of America, a past member of the Board of Directors of the Society of Christian Ethics, and a member of many other boards and commissions; and

Whereas Professor Richard McCormick received a number of awards in recognition of his contributions as a theologian and educator, including the Cardinal Spellman Award as "outstanding theologian of the year" from the Catholic Theological Society of America in 1969, the Henry Knowles Beecher

Award from the Hastings Center for "lifetime contributions to ethics and the life sciences" in 1998, and the Reinhold Niebuhr Award for the promotion of justice by the University of Notre Dame in 1995, and fifteen honorary degrees; and

Whereas Professor Richard McCormick was elected to membership in the American Academy of Arts and Sciences in 1990; and

Whereas Professor Richard McCormick placed his scholarship at the service of a wider public, through popular writing, lecturing, and contacts with the media; and

Whereas Professor Richard McCormick is widely considered to be one of the leading theologians of the twentieth century and the most influential moral theologian that the United States has produced;

And whereas Professor Richard McCormick died on February 12, 2000;

Be it resolved that the Faculty Senate of the University of Notre Dame express its affection and esteem for our late colleague, Professor Richard McCormick; and

Be it further resolved that the Faculty Senate express its appreciation for the many contributions that Professor Richard McCormick made to the University of Notre Dame during his time of service on its faculty; and

Be it further resolved that the Faculty Senate observe a moment of silence in grateful memory of Professor Richard McCormick; and

Be it further resolved that a copy of this resolution be sent to Professor Richard McCormick's sister, Mrs. Robert Anderson, and to the faculty of the Department of Theology of the University of Notre Dame.

## Appendix D

Report to the ad hoc committee on student and academic life

In April of 1999, in response to the probation levied by Student Activities against the Women's Resource Center for allegedly providing referrals for abortion services, the Faculty Senate Student Affairs Committee issued a report and proposed resolutions. The Faculty Senate passed three resolutions, which were forwarded to the Academic Council. In reviewing the resolutions, the Executive Committee of the Academic Council remanded two of the resolutions to the Campus Life Council. The first of these two requested that the Vice President for Student Affairs rescind the probation of the WRC and replace the materials removed from its files. The second asked for revisions to duLac with an eye to procedural fairness in probationary and disciplinary hearings for student organizations, and to extend the protections of academic freedom to student organizations. The third resolution, requesting a clarification of the formal responsibilities of the Vice President for Student Affairs in reporting to the Provost on procedures regulating student organizations with a significant academic component, was remanded for study to an ad hoc committee appointed by the President. This document is intended to amplify the concerns of the Faculty Senate expressed in the earlier Student Affairs committee report and resolutions on the WRC probation.

The two resolutions sent to the CLC were presented to the Council in April. The first was tabled to allow the WRC's own appeal of its probation to be reviewed. In her decision on the appeal, Vice President Patricia O'Hara did not rescind the probation, but rather lifted the second year of probation. The restrictions on materials in the WRC were continued, not as conditions of probations, but as "an ongoing requirement for the existence of the WRC." The action of Prof. O'Hara, as outgoing VPSA, did not address the central concern of the Faculty Senate resolution, the protection of the academic freedom of students acting as members of

student organizations. Professor O'Hara's disposition of the matter violates the academic freedoms of the students responsible for the WRC. The CLC has not revisited the issue.

The second resolution was tabled in April, to be taken up by the CLC at the first fall meeting. Given that duLac revisions are produced over the summer, as a matter of timing a CLC resolution was proposed, dealing only with re-writing duLac for "procedural clarity in establishing and reviewing the appeal process of the status of student organizations," with the larger issues to be taken up by the Council in the fall. The Council passed this resolution. Over the summer a minor revision was made in duLac that adhered to the letter of the Senate resolution, but not to the spirit of it. The CLC has not taken up the original Faculty Senate resolution in this academic year, considering the case closed with the minor rewrite of duLac. In its current configuration, the CLC is inadequate to conduct a discussion on modifying the language of duLac "to preclude interpretations suggesting the protections of academic freedom extended to faculty and students in the classroom are denied students participating in student organizations," as the Faculty Senate resolution requests.

The Faculty Senate must be informed as to the exact nature of the revisions of duLac and The Source. The violations of procedural fairness in the hearing of the allegations against the WRC were fundamental and grave. On the admission of the administrative officers involved in the hearing, the only evidence they received relevant to the probation imposed upon the WRC was the presence of neutral information in the WRC library concerning the availability of abortion services in the Notre Dame region. The imposition of probation on this evidence constitutes violation of the academic freedom of student members of organizations dealing with academically, religiously or politically controversial issues by the VPSA.

The actions of the Vice President of Student Affairs to the appeal and the CLC's response is typical of CLC activity. The Vice President's response is

considered final and binding, despite its lack of recognition of the Senate's concern with the academic implications of removing materials considered "inconsistent with the mission of the University and the moral teachings of the Catholic Church." The CLC is not the proper forum for a discussion of this nature since it has no avenue of appeal once the VPSA has replied, nor does it hold or have access to academic authority.

The Student Affairs Committee and the Academic Affairs Committee of the Faculty Senate jointly recommend either the reorganization of the Campus Life Council or the formation of a new body to replace it to oversee the integration of Academic and Campus life. The new council should be modeled on the provost's Advisory Council, except that it should have a predominance of elected members and an elected chair. The strongest similarity between the PAC and the new council should reside in the infrequency with which the administration rejects its policy recommendations. This new Council should be able to refer policy recommendations concerning the interface of academic and student life directly to the appropriate administrative officer. The Offices of the Provost and the Vice President for Student Affairs must work out a system of shared administrative (executive) authority and responsibility for the integration of academic and campus life.

Specific issues of campus life clearly involve issues that are of central importance both to academic vitality and to the distinctive character of campus life at ND. Such issues should constitute the business of this new council. These issues include, but are not limited to:

1. Residence Hall Faculty Fellows or Resident Faculty Masters and Senior Tutors.
2. Oversight of all disciplinary procedures involving student organizations, including media, addressing politically or academically controversial issues.

3. Oversight responsibility for procedural fairness in student life throughout the University.

4. Faculty participation in student J-Boards or disciplinary hearings.

5. Organization of the system of residence halls to promote specifically academic goals as well as those currently pursued in the residence halls.

6. All "diversity" issues in student academic and campus life: race, gender, sexual orientation, etc.

## Appendix E

Be it resolved that the Faculty Senate endorse the initiative of the Progressive Student Alliance (PSA) in favor of Notre Dame joining the Worker's Rights Consortium (WRC) by April 1, 2000.

## Awards Received and Proposals Submitted

In the period April 1, 2000, through April 30, 2000.

AWARDS RECEIVED			PROPOSALS SUBMITTED	
Category	No.	Amount	No.	Amount
Research	31	\$4,584,480	40	\$8,260,376
Facilities and Equipment	3	704,662	0	0
Instructional Programs	1	3,221	0	0
Service Programs	0	0	1	58,500
Other Programs	0	0	0	0
Total	35	\$5,292,363	41	\$8,318,876

## Awards Received

In the period April 1, 2000 through April 30, 2000

### AWARDS FOR RESEARCH

#### Aerospace and Mechanical Engineering

##### Hafiz M. Atassi

Hydrodynamics and Acoustics of Rotor Blades in  
Nonuniform Inflow Conditions

Department of Navy

\$35,000 24 months

##### Thomas C. Corke and Flint Owen Thomas

Enhanced Design of Turbojet LPT

National Aeronautics and Space Administration

\$60,000 36 months

##### John W. Goodwine

CAREER: Stratified Motion Planning with Application to  
Robotic Manipulation

National Science Foundation

\$35,621 12 months

##### Flint Owen Thomas and Robert Charles Nelson

Unsteady Aspects of High-Lift Flows

National Aeronautics and Space Administration

\$22,228 2 months

#### Biological Sciences

##### Frank Hadley Collins and David William Severson

Malaria Control by Genetic Manipulation of Vectors

National Institutes of Health

\$639,875 12 months

##### Douglas Jon Fishkind

Structural Dynamics of Actin-Myosin Function in  
Cytokinesis

National Science Foundation

\$109,102 36 months

##### David R. Hyde

Genetic Model of Neuronal/Neuromuscular Dysfunction

March of Dimes Birth Defects

\$74,696 12 months

##### Alan Leslie Johnson

Physiological Mediators of Granulosa Cell Apoptosis

National Institutes of Health

\$81,316 12 months

##### Michelle A. Whaley

REU Site Program for Undergraduate Research

National Science Foundation

\$50,305 23 months

#### Center for Latino Studies

##### Gilberto Cardenas

Humanities Fellowships on Latino Cultural Research in a  
National Museum Context: Issues of Representation and  
Interpretation

Smithsonian Institute

\$26,700 17 months

#### Chemistry and Biochemistry

##### Paul W. Huber

Protein Binding Domains on Eukaryotic 5S rRNA and  
rDNA

National Institutes of Health

\$233,169 12 months

##### Marya Lieberman, Thomas P. Fehlner, Craig Stanley

Lent, Wolfgang Porod, Gregory Victor Hartland,  
Gregory Lynn Snider, Gerald Joseph Iafrate, Olaf  
Guenter Wiest and Gary H. Bernstein

Molecular Electronics Based on Quantum-Dot Cellular  
Automata

NAVY/ARPA

\$880,060 24 months

##### Marya Lieberman

CAREER: From Surface to Solution

National Science Foundation

\$72,000 24 months

##### W. R. Scheidt

X-Ray and Chemical Studies of Metalloporphyrins

National Institutes of Health

\$357,631 12 months

##### Bradley Dennis Smith

Rationally Designed Promoters and Inhibitors of  
Membrane Fusion

National Institutes of Health

\$65,794 12 months

#### Civil Engineering and Geological Sciences

##### Clive R. Neal

Geochemical Evolution of the Moon

National Aeronautics and Space Administration

\$39,000 24 months

##### Billie F. Spencer and Yahya C. Kurama

Supplemental Activities for NSF-STA Summer Institute in  
Japan

National Science Foundation

\$4,533 11 months

#### Classics

##### Joseph P. Amar

Treatise of Dionysius Bar Salibi

National Endowment for the Humanities

\$24,000 8 months

#### Computer Science and Engineering

##### Nikos Panayioti Chrisochoides

Application-Driven Approach for Teraflop/Petaflop  
Machines

National Science Foundation

\$31,250 23 months

##### Vincent William Freeh

CAREER: Collaborative Memory

National Science Foundation

\$31,250 24 months

**Electrical Engineering****Patrick John Fay**

Ultra-High Speed E/D HEMT ADCs  
University of Illinois-Urbana-Champaign  
\$60,041 36 months

**Physics****James Alexander Glazier and Igor N. Veretennikov**

Diffusive Coarsening of Liquid Foams in Microgravity  
National Aeronautics and Space Administration  
\$50,000 45 months

**James J. Kolata, Michael Caspar Wiescher, Umesh**

Garg, Alejandro Garcia and Ani Aprahamian  
Nuclear Structure Research  
National Science Foundation  
\$1,055,000 24 months

**Jonathan Robert Sapirstein**

Weak and QED Radiative Corrections in Atomic Physics  
National Science Foundation  
\$38,210 24 months

**Peter Ernest Schiffer and Albert-Laszlo Barabasi**

Experimental and Theoretical Studies of Wet Granular Media  
National Aeronautics and Space Administration  
\$50,000 44 months

**Mitchell Ross Wayne, Randal C. Ruchti and Neal M. Cason**

DO Detection Project  
Fermi National Laboratory  
\$190,500 34 months

**Michael Caspar Wiescher**

Low Energy Nuclear Reactions in Late Stellar Evolution  
National Science Foundation  
\$95,500 36 months

**Psychology****Steven Marshall Boker**

Dynamic Postural Equilibrium  
National Institutes of Health  
\$45,514 12 months

**Bradley Stephen Gibson**

Attentional Control in Vision  
National Science Foundation  
\$44,485 24 months

**Gabriel Allen Radvansky**

Working Memory Influences on Long-Term Memory  
Department of Army  
\$75,000 36 months

**Theology****Eugene Charles Ulrich and James Claire VanderKam**

The Publication of Four Volumes of Dead Sea Scrolls  
Oxford Centre Hebrew Studies  
\$6,700 25 months

**AWARDS FOR FACILITIES AND EQUIPMENT****Electrical Engineering****Michael D. Lemmon, John W. Goodwine and Panos J. Antsaklis**

Hardware Benchmark for Supervisory Hybrid Systems  
Department of Army  
\$150,000 18 months

**Gregory L. Snider, Alexei Orlov, Alan C. Seabaugh, Patrick J. Fay and Gary H. Bernstein**

Fabrication and Measurements of High Speed, High Temperature Quantum-Dot Cellular Automata  
Department of Navy  
\$293,000 12 months

**Freimann Life Science Center****Mark Allen Suckow**

Developing and Improving Institutional Animal Resources  
National Institutes of Health  
\$261,662 12 months

**AWARDS FOR INSTRUCTIONAL PROGRAMS****Film, Television and Theatre****Thomas M. Barks**

Actors from the London Stage  
Indiana Arts Commission  
\$3,221 12 months

**Proposals Submitted**

In the period April, 2000, through April 30, 2000

**PROPOSALS FOR RESEARCH****Aerospace and Mechanical Engineering****Robert C. Nelson and Flint O. Thomas**

An Experimental Study of Boundary Layer Relaminarization  
National Aeronautics and Space Administration  
\$65,041 17 months

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

Augustine and the Arts  
National Endowment for the Humanities  
\$30,000 12 months

**Kathleen A. Pyne**

Modernism and the Feminine Voice: The Search for "Woman in Art"  
National Endowment for the Humanities  
\$30,000 12 months

### Biological Sciences

#### Frank H. Collins

Indiana Center for Insect Genomics  
21st Century Research and Technology Fund  
\$1,458,550 24 months

#### Crislyn D'Souza-Schorey

Role of Vesicle Transport in Acquisition of Invasive Potential  
Department of Army  
\$74,500 12 months

#### Joseph E. O'Tousa

Genetic Analysis of Retinal Degeneration  
National Institutes of Health  
\$283,213 12 months

#### Martin Tenniswood

Genesis of the Invasive Phenotype in Prostate Cancer  
National Institutes of Health  
\$30,256 12 months

#### Martin Tenniswood and Marvin J. Miller

Development of Innovative Prostate Cancer Therapeutics  
21st Century Research and Technology Fund  
\$323,593 24 months

#### Martin Tenniswood

Tendency of SERMs (Tamoxifen and Raloxifene) to Induce a Metastatic Phenotype in Breast Cancer in a Chemopreventive Setting  
Department of Army  
\$74,500 12 months

#### Martin Tenniswood and Dana L. McDonald

SERM Actions in Ruca-I Cancer Cells  
National Institutes of Health  
\$20,660 12 months

#### JoEllen J. Welsh

Vitamin D, Apoptosis and Survival of Breast Cancer Cells  
National Institutes of Health  
\$31,686 12 months

### Chemical Engineering

#### Agnes E. Ostafin

LEXEN: Infrared Energy Harvesting Photosynthetic Microbes: Effect of Radiation Exposure and Heavy Metals on Growth and Photosynthesis  
National Science Foundation  
\$946,310 48 months

#### Arvind Varma

REU Supplement for NSF Grant CTS99-07321  
National Science Foundation  
\$5,000 12 months

#### Arvind Varma

REU Supplement for NSF Grant CTS-9900357  
National Science Foundation  
\$5,000 12 months

### Civil Engineering and Geological Sciences

#### Robert B. Fleischman

REU Supplement: Modular Nodes for Joints in Steel Special Moment-Resisting Frames  
National Science Foundation  
\$10,000 12 months

#### Ahsan Kareem

Microbial Fossil Characterization using Atomic Force Microscopy and X-ray Photoelectron Spectroscopy  
Los Alamos National Laboratory  
\$143,355 36 months

### Classics

#### Joseph P. Amar

Treatise of Dionysius Bar Salibi  
National Endowment for the Humanities  
\$24,000 8 months

### Computer Science and Engineering

#### Vincent W. Freeh

Effectively Managing Transient Peak Loads in Web Servers  
International Business Machines  
\$39,944 12 months

#### Peter M. Kogge and Jay B. Brockman

DIVA - Data Intensive Architecture  
University of Southern California  
\$100,000 12 months

### Electrical Engineering

#### Alan C. Seabaugh

Microwave Detection of Biological and Chemical Agents  
United Engineering Foundation, Inc.  
\$42,200 20 months

### English

#### Kathy A. Psomiades

Maidens Choosing: How the Victorian Novel and Victorian Anthropology Reimagine Marriage  
National Endowment for the Humanities  
\$30,000 12 months

### Film, Television, and Theatre

#### Hilary A. Radner

Arletty, Josephine Baker, and Brigitte Bardot: Film Stardom, Celebrity, and National Identity in French Culture and Cinema  
National Endowment for the Humanities  
\$30,000 12 months

**German and Russian Languages and Literatures****Vera B. Profit**

Toward a Literary Definition of Evil: Friedrich  
Durrenmatt, Oscar Wilde and Max Frisch  
National Endowment for the Humanities  
\$30,000 8 months

**History****Howard P. Louthan**

Creating a Cultural Identity: Religion and National  
Memory in Early Modern Bohemia  
National Endowment for the Humanities  
\$30,000 12 months

**Richard B. Pierce**

Negotiated Freedom: African American Development and  
Protest in the Urban North  
Carnegie Mellon University  
\$42,600 12 months

**Institute for Educational Initiatives****Joyce V. Johnstone**

ACE Replication Project  
Department of Education  
\$462,500 55 months

**Institute for International Peace Studies****Raimo V. Väyrynen**

Humanitarian Intervention and Peacekeeping Force  
U.S. Institute of Peace  
\$33,000 15 months

**John A. Kaneb Center for Teaching and Learning****Thomas C. Laughner and Anita Westhues**

Studying the Impact of Distance Learning on Learning,  
Quality, and Community  
Utah State University  
\$2,000 12 months

**Mathematics****Jeffrey A. Diller**

Multivariable Complex Dynamics  
National Science Foundation  
\$4,619 24 months

**Nano Science and Technology Center****Craig S. Lent, Wolfgang Porod, Olaf G. Wiest and Peter M. Kogge**

Hierarchical Modeling of Molecular Quantum-dot Cellular  
Automata  
National Science Foundation  
\$1,440,869 36 months

**Office of Special Instructional Projects and Activities****Mario Borelli**

CANDAX-ME McNair Project  
Department of Education  
\$20,200 12 months

**Philosophy****Michael R. DePaul**

Armchair Philosophy  
National Endowment for the Humanities  
\$30,000 12 months

**Michael J. Kremer**

Wittgenstein's Tractatus: Nonsense, Logic, Ethics, and Life  
National Endowment for the Humanities  
\$30,000 12 months

**Physics****Bruce A. Bunker**

Flavor-Changing and CP-Violating Signals for a  
Supersymmetric Higgs Boson  
Research Corporation  
\$35,000 36 months

**Terrence W. Rettig**

Using HST Observations to Understand the Structure of  
Comets  
National Science Foundation  
\$67,001 12 months

**Psychology****Jeanne D. Day and Julia M. Braungart-Rieker**

Ready to Excel!  
Health and Human Services  
\$362,001 36 months

**Radiation Laboratory****Prashant V. Kamat**

Energy-Efficient Electrochromic and Electroluminescent  
Devices  
Department of Energy  
\$1,181,377 36 months

**Prashant V. Kamat**

TiO<sub>2</sub>-based Materials for Photocatalytic Splitting of Water  
Department of Energy  
\$631,401 36 months

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**Romance Languages and Literatures****John P. Welle**

Film of Paper: Writing Silent Cinema in Italy

National Endowment for the Humanities

\$30,000 12 months

**Theology****Jennifer A. Herdt**

Divine Sympathy and the Loss of Transcendence

National Endowment for the Humanities

\$30,000 9 months

**PROPOSALS FOR SERVICE PROGRAMS****University Relations****James A. Roemer**

National Youth Sports Program

National Collegiate Athletic Association

\$58,500 1 month



## Awards Received and Proposals Submitted

In the period May 1, 2000, through May 31, 2000.

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	35	\$3,965,125	41	\$11,860,580
Facilities and Equipment		0	0	0
Instructional Programs	7	1,047,272	1	94,270
Service Programs	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>3</u>	<u>164,900</u>
Total	42	\$5,012,397	45	\$12,119,750

## Awards Received

In the period May 1, 2000 to May 31, 2000

### AWARDS FOR RESEARCH

#### Aerospace and Mechanical Engineering

##### John W. Goodwine

SGER: Stratified Robotic Manipulation Experimental Platform

National Science Foundation  
\$10,000 12 months

##### Eric J. Jumper

Distinguished Visiting Faculty Program

U.S. Air Force Academy  
\$118,689 9 months

##### Robert C. Nelson and Flint O. Thomas

An Experimental Study of Boundary Layer Relaminarization

National Aeronautics and Space Administration  
\$20,025 17 months

#### Biological Sciences

##### Crislyn D'Souza-Schorey

Regulation of Endothelial Barrier Function

American Heart Association  
\$82,500 12 months

##### Jeffrey Lee Feder

The Genetics of Speciation in Rhagoletis

National Science Foundation  
\$5,000 12 months

##### Frederick W. Goetz

Cloning and Expressing Perch Growth Hormone

Purdue University  
\$38,770 12 months

##### Gary A. Lamberti

Zebra Mussels, Round Gobies, and Eurasian Ruffe: Predicting Ecological Impacts of the 'Exotic Triad' to Improve Control

Purdue University  
\$56,832 12 months

##### Gary A. Lamberti

Aquatic Production in Kissimmee River Floodplain System

Florida Atlantic University  
\$5,000 39 months

#### Center for Latino Studies

##### Philip Garcia

National Youth Sports Program Evaluation (Project #OMH-IUPLR-2-99)

Health and Human Services  
\$450,000 24 months

#### Chemical Engineering

##### Albert E. Miller

A Sealing Solution for Anodized Aluminum with Low Cr (VI)

Department of Navy  
\$49,396 36 months

##### Arvind Varma

Kinetics and Mechanisms of Rapid Heterogeneous Reactions During Combustion Synthesis

National Science Foundation  
\$5,000 24 months

##### Arvind Varma

Inorganic Membranes: Design, Optimization and Reaction Studies

National Science Foundation  
\$5,000 48 months

#### Chemistry and Biochemistry

##### Joyce Chan and Victoria A. Ploplis

Characterization of Mice with a Targeted Deletion of the Carboxypeptidase B Gene

American Heart Association  
\$32,500 12 months

##### Marvin J. Miller

Consulting Program for 2000

Eli Lilly Company  
\$30,000 12 months

##### Slavi C. Sevov

Discretionary Research

American Chemical Society  
\$10,000 48 months

##### Slavi Christov Sevov

Solid State and Solution Chemistry

American Chemical Society  
\$6,500 4 months

##### Richard Edmund Taylor

Myriaporones: Synthetic and Biological Studies

American Cancer Society  
\$10,750 3 months

#### Civil Engineering and Geological Sciences

##### Jeremy B. Fein

Metal Adsorption onto Hyperthermophiles

UT-Battelle, LLC.  
\$4,500 3 months

##### Robert B. Fleischman

Industrial Match Contribution to NSF CAREER Grant #CMS97-33162

American Institute of Steel Construction, Inc.  
\$10,000 40 months

##### Billie F. Spencer

Java-Based Virtual Laboratory

Research Foundation of SUNY  
\$35,000 12 months

**Computer Science & Engineering**

**Steven C. Bass, Lloyd H. Ketchum and Joseph C. Freeland**  
 EPICS (Engineering Projects in Community Service)  
 Purdue University  
 \$100,000 36 months

**Cushwa Center for the Study of American Catholicism**

**Robert Scott Appleby**  
 Catholic Commission Work  
 C.C.I.C.A.  
 \$204,240 16 months

**Government and International Studies**

**Robert C. Johansen**  
 The Role of Nonprofit Organizations in Building  
 Consensus to Enforce International Humanitarian Law  
 Aspen Institute  
 \$25,000 13 months

**Institute for International Peace Studies**

**Raimo V. Väyrynen**  
 Humanitarian Intervention and Peacekeeping Force  
 U.S. Institute of Peace  
 \$33,000 15 months

**Mathematics**

**Mei-Chi Shaw**  
 Partial Differential Equations and Several Complex  
 Variables  
 National Science Foundation  
 \$20,848 36 months

**Nano Science and Technology Center**

**Wolfgang Porod and Craig S. Lent**  
 Molecular Quantum-Dot Cellular Automata  
 Navy/DARPA  
 \$1,826,000 24 months

**Philosophy**

**Paul J. Weithman**  
 Religion and the Obligations of Citizenship  
 National Humanities Center  
 \$20,000 12 months

**Physics**

**Jacek K. Furdyna**  
 Neutron Scattering Studies of Magnetic Semiconductors  
 National Science Foundation  
 \$85,000 36 months

**Umesh Garg**  
 RET Supplement to REU Site Program  
 National Science Foundation  
 \$68,700 60 months

**Umesh Garg**  
 RET Supplement to REU Site Program  
 National Science Foundation  
 \$16,500 60 months

**Walter R. Johnson**  
 Relativistic Atomic Structure Theory  
 National Science Foundation  
 \$80,000 24 months

**Randal C. Ruchti, Mitchell Ross Wayne and Neal M. Cason**  
 Experimental Particle Physics with Colliding Beams  
 National Science Foundation  
 \$450,000 50 months

**Program of Liberal Studies**

**Gretchen J. Reydam-Schils**  
 Stoic Meditation: The Self as a Mediator  
 Center for Hellenic Studies  
 \$24,000 12 months

**Psychology**

**David A. Cole**  
 Competency Based Model of Child Depression  
 National Institutes of Health  
 \$189,426 12 months

**The Graduate School (Other)**

**Peter Diffley**  
 NDSEG Fellowship for Tracy (Kijewski) Correa  
 SCEE Services Corporation  
 \$40,985 12 months

**AWARDS FOR INSTRUCTIONAL PROGRAMS****Aerospace and Mechanical Engineering**

**John William Lucey**  
 Industrial Assessment Center Program  
 Rutgers University  
 \$122,000 12 months

## Chemistry and Biochemistry

### Thomas P. Fehlner

Support of a Symposium Entitled "The Inorganometallic Chemistry of Group 13-16 Elements" to be held at Pacificchem 2000

American Chemical Society  
\$2,000 6 months

### National Consortium for Graduate Degrees for Minorities in Engineering and Science

### Saundra Johnson

NASA Graduate Student Doctoral Bridge Project  
National Aeronautics and Space Administration  
\$252,500 20 months

### Office of Special Instructional Projects and Activities

### Mario Borelli

CANDAX-ME McNair  
Department of Education  
\$219,750 12 months

## University Relations

### James A. Roemer

National Youth Sports Program  
National Collegiate Athletic Association  
\$58,500 12 months

## Upward Bound

### Dorine Blake-Smith and Mario Borelli

Upward Bound  
Department of Education  
\$391,522 12 months

### Dorine Blake-Smith and Mario Borelli

Upward Bound  
Department of Education  
\$1,000 12 months

## Proposals Submitted

In the period May 1, 2000 through May 31, 2000

### PROPOSALS FOR RESEARCH

## Aerospace and Mechanical Engineering

### Thomas J. Mueller

An Experimental Study of Trailing Edge Noise  
Department of Navy  
\$699,659 48 months

### John E. Renaud

Sub-Award: Modeling Uncertainty in Simulation and Design  
Virginia Polytechnic Institute and State University  
\$131,289 36 months

### John E. Renaud

A Multi-University Distributed Testbed for S.B.D.  
National Science Foundation  
\$165,510 36 months

## American Studies

### Thomas J. Schlereth

American Silva: A Cultural, Landscape, and Scientific History of North American Arboreturns  
National Endowment for the Humanities  
\$30,000 12 months

## Anthropology

### Karen E. Richman

The Protestant Ethic and the Dis-Spirit of Vodou  
National Endowment for the Humanities  
\$30,000 12 months

## Biological Sciences

### Frederick W. Goetz

Zebrafish Mutagenesis: Isolation of Gonadal Mutants  
National Institutes of Health  
\$340,650 12 months

### David M. Lodge, Greg Dwyer and Jeffrey L. Feder

North Central Region Invasive Species Consortium (NCRISC)  
Michigan State University  
\$413,758 48 months

### Neil F. Shay

Soy and SREBP Signaling  
Department of Agriculture  
\$231,596 24 months

### Martin Tenniswood

Apoptosis and Tumor Progression Following Anti-Androgen Therapy for Prostate Cancer  
Department of Defense  
\$558,118 36 months

**Kevin T. Vaughan**

Casodex-Induced Loss of E-cadherin in Prostate Cancer  
National Institutes of Health  
\$109,300 12 months

**Chemical Engineering****Edward J. Maginn**

Engineering Functionalized Mesoporous Materials for  
Selective Separations  
National Science Foundation  
\$100,000 24 months

**Edward J. Maginn**

Molecular Simulations in Engineering Education and  
Research  
National Science Foundation  
\$60,000 12 months

**Agnes E. Ostafin, Edward J. Maginn, Albert E. Miller  
and Hsueh-Chia Chang**

IFAFS: Nanotechnology for Food Safety: "Smart"  
Nanomaterials for Rapid Sensing and Control of Food-  
Borne Hazards  
Department of Agriculture  
\$933,857 36 months

**Eduardo E. Wolf**

New Membrane Reactor Technology for the  
Environmentally Benign Synthesis of Propylene Oxide  
National Science Foundation  
\$100,000 24 months

**Chemistry and Biochemistry****Paul W. Huber**

Localization of mRNA in Xenopus Oocytes  
National Institutes of Health  
\$323,000 12 months

**Civil Engineering and Geological Sciences****Ahsan Kareem**

Collaborative Proposal: An Integrated Study of Microbially  
Mediated Dissolution of Kaolinite in Aerobic  
Environments  
National Science Foundation  
\$196,442 36 months

**Clive R. Neal**

Geochemical Evolution of the Moon and Meteorites  
National Aeronautics and Space Administration  
\$199,394 36 months

**Stephen E. Silliman**

Air Entry Barriers: Mechanism for Creating High  
Permeability Pathways Above the Water Table  
National Science Foundation  
\$402,854 36 months

**Classics****Catherine M. Schlegel**

Satire and the Threat of Speech in Horace Satires bk. I  
National Endowment for the Humanities  
\$30,000 12 months

**Electrical Engineering****Gary H. Bernstein**

REU Supplement  
National Science Foundation  
\$5,688 3 months

**Gary H. Bernstein and Gregory L. Snider**

Metal/Tunnel-Junction Quantum-dot Cellular Automata  
Cells without Bias Control  
Intel Corporation  
\$155,678 36 months

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

Incorporating a Regional Wireless Testbed into Graduate  
and Undergraduate Communications Classes at  
Notre Dame  
National Science Foundation  
\$500,000 36 months

**Alan C. Seabaugh**

100 Ghz Mixed-Signal RF Technology  
Raytheon Company  
\$46,935 12 months

**Government and International Studies****Daniel A. Lindley**

Is War Rational? The Extent of Miscalculation and  
Misperception as Causes of War  
Smith Richardson Foundation  
\$60,000 12 months

**History****Thomas A. Kselman**

Catholics and Jews in Modern France  
National Endowment for the Humanities  
\$30,000 12 months

**Mary Ann Mahony**

Revisiting the Violent Land: Bahia's Cacao Area, 1850-1937  
National Endowment for the Humanities  
\$30,000 12 months

**Marketing Management****Gregory T. Gundlach**

Slotting Fees in Produce Markets: Uses and Impacts on  
Producers and Consumers  
Department of Agriculture  
\$938,606 24 months

### Nano Science and Technology Center

**Alan C. Seabaugh and Gerald J. Iafrate**

Nanomechanical Devices and Circuits  
Semiconductor Research Corporation  
\$446,082 36 months

**Gregory L. Snider, Craig S. Lent and Alexei Orlov**

Quantum-dot Cellular Automata: Experimental Prototypes  
and Modeling  
Semiconductor Research Corporation  
\$427,285 36 months

**Gregory L. Snider, Gary H. Bernstein and Alexei Orlov**

Background-charge-insensitive Single-electron Memories  
Research Corporation  
\$294,025 36 months

### Physics

**David P. Bennett**

Confirmation of Black Hole, Planetary, and Binary  
Microlensing Events  
Space Telescope Science Institute  
\$78,999 12 months

**David P. Bennett**

Confirmation of a Gravitational Microlensing Black Hole  
Candidate  
Space Telescope Science Institute  
\$5,760 12 months

**Ikaros I. Bigi**

Subtle Tests of the Standard Model  
National Science Foundation  
\$473,683 48 months

**Jacek K. Furdyna, Malgorzat Dobrowolska-Furdyna,**

**Steven T. Ruggiero and Bruce A. Bunker**  
Spintronics and Spin-Photonics in Ferromagnetic InAs/  
GaSb-Based Heterostructures  
Research Foundation of SUNY  
\$2,400,000 60 months

**Sun Hong Rhie and David P. Bennett**

Microlensing Planet Search Observations from Chile and  
South Africa  
National Aeronautics and Space Administration  
\$245,111 36 months

**Randal C. Ruchti**

Statement of Work by the US CMS Group at University of  
Notre Dame for Activities Related to the US CMS Project  
Office Subsystem  
Fermi National Laboratory  
\$41,000 12 months

**Randal C. Ruchti**

Statement of Work by the US CMS Group at University of  
Notre Dame for Activities Related to the US CMS Hadron  
Calorimeter Subsystem  
Fermi National Laboratory  
\$166,394 12 months

### Psychology

**Cindy S. Bergeman**

Methodological Issues in Gerontological Research  
National Institutes of Health  
\$149,589 12 months

**John G. Borkowski, Thomas L. Whitman and Scott E. Maxwell**

Precursors of Retardation in Children with Teen Mothers  
National Institutes of Health  
\$243,068 12 months

**Robert L. West**

Encoding and Realization Processes in Prospective  
Memory  
National Institutes of Health  
\$37,250 12 months

### Romance Languages and Literatures

**Colleen M. Ryan**

Poveri ma belle: Women and Popular Italian Cinema  
(1945-1975)  
National Endowment for the Humanities  
\$30,000 12 months

### PROPOSALS FOR INSTRUCTIONAL PROGRAMS

### Aerospace and Mechanical Engineering

**Mohamed Gad-el-Hak**

Integration of Simulation Technology into Undergraduate  
Engineering Courses and Laboratories  
National Science Foundation  
\$94,270 36 months

### PROPOSALS FOR OTHER PROGRAMS

### Aerospace and Mechanical Engineering

**John W. Lucey, Jerry J. Marley and Mihir Sen**

Industrial Assessment Center  
Rutgers University  
\$150,000 12 months

### Civil Engineering and Geological Sciences

**Stephen E. Silliman**

Laboratory Investigation of Fluid Flow and Colloid/  
Microbial Transport in Complex Porous Media  
Council International Exchange Scholars  
\$9,900 24 months

### South Bend Center for Medical Education

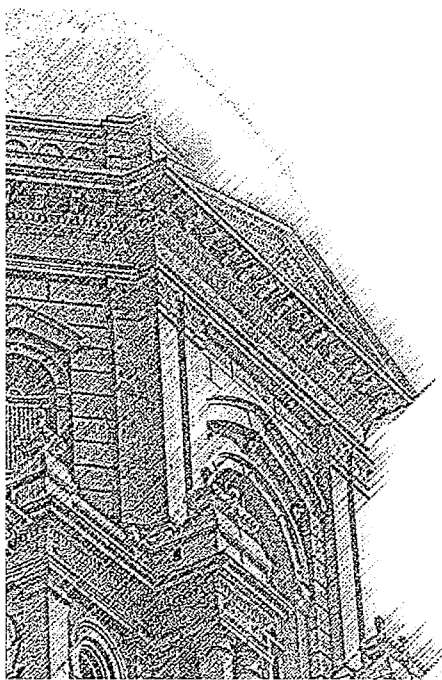
**Kenneth R. Olson**

REU Supplement to NSF Grant No. IBN 9723306  
I.U. School of Medicine  
\$5,000 3 months

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# Notre Dame Report

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