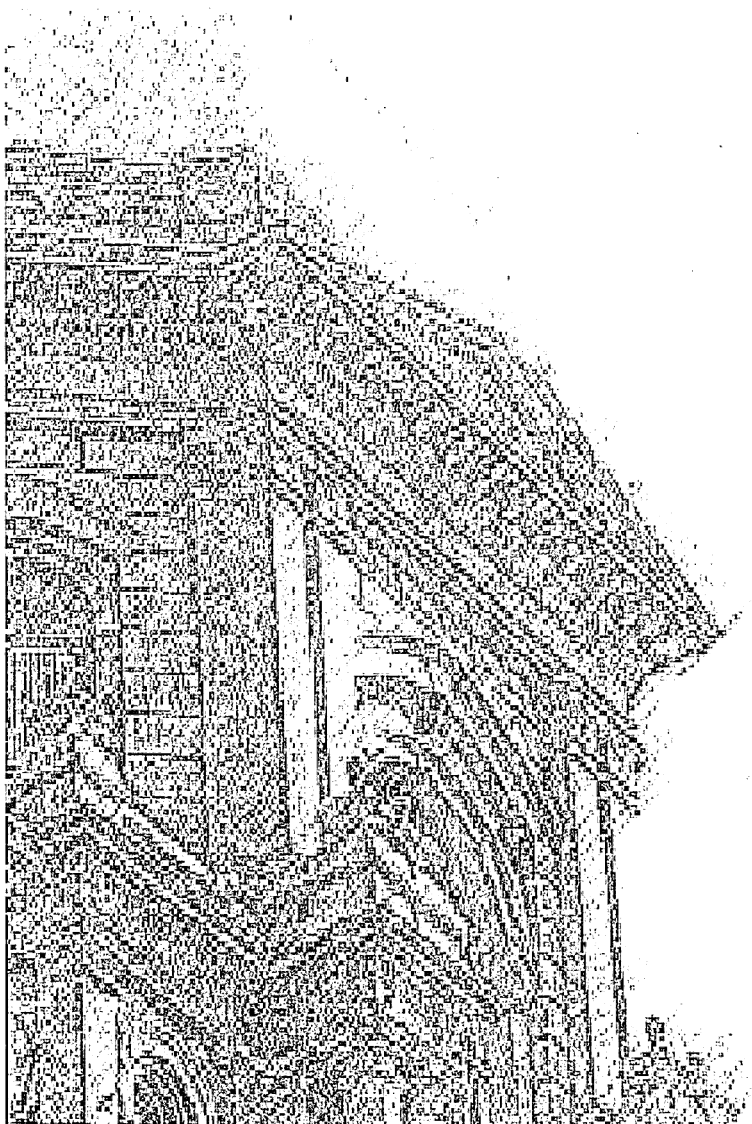


Notre Dame Report



Faculty Notes

- 141 Appointments
- 141 Honors
- 142 Activities
- 145 Publications
- 149 In Memoriam

Administrators' Notes

- 149 Appointments
- 150 Activities
- 150 Publications

Documentation

- 150 University Committee on
Libraries—April 24, 2003
- 151 Faculty Board on Athletics—
May 13, 2003
- 153 University Committee on
Libraries—September 11, 2003
- 154 Errors and Omissions

Research

- 155 September 2003

OCTOBER 31, 2003

N U M B E R 5

Faculty Notes

Appointments

Fifteen members of the faculty have been awarded endowed professorships, bringing the number of endowed chairs at Notre Dame to 191.

The newly appointed endowed professors are:

College of Arts and Letters

Alfred J. Freddoso, the John and Jean Oesterle Professor of Thomistic Studies

Luke Gibbons, the Keough Family Professor of Irish Studies

Sabine G. MacCormack, the Rev. Theodore M. Hesburgh, C.S.C., Professor of Arts and Letters

Nelson C. Mark, the Alfred C. DeCrane Jr. Professor of International Economics

Breandán ÓBuachalla, the Thomas and Kathleen O'Donnell Professor of Irish Language and Literature

Cyril O'Regan, the Catherine F. Huisking Professor of Theology

Christopher J. Waller, the Gilbert F. Schaefer Professor of Economics

Mendoza College of Business

Robert Audi, the David E. Gallo Professor of Business Ethics

Peter Easton, the Notre Dame Alumni Professor of Accountancy

College of Engineering

Joan Brennecke, the Keating-Crawford Professor of Chemical and Biomolecular Engineering

Craig Lent, the Frank M. Freimann Professor of Electrical Engineering

College of Science

François Ledrappier, the John and Margaret McAndrews Professor of Mathematics

Shahriar Mobashery, the Navari Family Professor of Life Sciences

Joachim Rosenthal, the Notre Dame Professor of Applied Mathematics

Israel Michael Sigal, the Rev. Howard J. Kenna, C.S.C., Memorial Professor of Mathematics

Faculty newly named to endowed directorships are:

James Davis, the Ray and Milann Siegfried Director of the Gigot Center for Entrepreneurial Studies

Ann Tenbrunsel, the Arthur F. and Mary J. O'Neil Co-Director of the Institute for Ethical Business Worldwide.

Honors

Karl Ameriks, the McMahon-Hank Professor of Philosophy, was elected vice president of the Central Division of the American Philosophical Association (2003–2004). He will also serve as division president (2004–2005), and as a member of the executive committee of the division (2003–2006) and the APA national board of officers (2003–2006).

Jeffrey Bergstrand, associate professor of finance, was selected as a corecipient of the Bhagwati Award for the best paper in the *Journal of International Economics* for the past two years.

Katharina J. Blackstead, librarian, was appointed to the nominating committee of the Public Relations and Marketing Section of the Library Administration and Management Association.

Steven M. Boker, associate professor of psychology, received the 2003 Tanaka award from the Society of Multivariate Experimental Psychology for the outstanding article of 2002 in *Multivariate Behavioral Research*.

Mario Borelli, associate professor of mathematics and director of Special Instructional Projects and Activities, received the Council for Opportunity in Education's 2003 Walter O. Mason Award for outstanding professionals in educational opportunity programs.

D'Arcy Jonathan Dacre Boulton, professional specialist and Medieval Institute fellow and concurrent associate professor of history, was appointed a member of the new standing committee on contemporary heraldry established by the International Heraldic Academy at its annual general meeting in Troyes, France, and was elected a member of the International Commission on Orders of Chivalry, an independent body made up primarily of the leading European specialists in traditional systems of honours.

Brenda Bredemeier, codirector of the Mendelson Center for Sports, Character and Community, was elected an active fellow of the American Academy of Kinesiology and Physical Education, Sept. 13.

Jianguo Cao, professor of mathematics, delivered the following invited lectures: "Levi-Flat Hypersurfaces and a New Liouville Type Theorem for Differential Forms" at "Differentialgeometrie im Grossen," Mathematisches Forschungsinstitut Oberwolfach, Freiberg, Germany, June 17; "Euler Number Compact Kahler Manifolds with Non-Positive Curvature," a geometry seminar, Univ. of California, Riverside, April 15; "The δ -Neumann Boundary Problem and Levi-Flat Hypersurfaces," a differential equation seminar, Univ. of California, Berkeley, May 2; "Levi-Flat Hypersurfaces and a New Liouville Type Theorem," a geometry seminar, Univ. of Zurich, Switzerland, June 20, and again at a geometry seminar, Univ. of Augsburg, Germany, July 18; and "A New Proof of Cheeger-Gromoll Soul Conjecture and Oka Lemma," Max-Planck Institute for Mathematics at Leipzig, Germany, July 24.

Robert C. Johansen, senior fellow at the Kroc Institute and professor of political science, was selected to be on the founding International Advisory Council of the e-Parliament, an organization of democratically elected legislators throughout the world.

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemical engineering, was appointed associate editor of the *Journal of Physical Chemistry*, the major publication for physical chemistry of the American Chemical Society and a leading journal in this discipline globally.

The Hon. John M. Marnocha, adjunct assistant professor of law, was appointed by Indiana Supreme Court Chief Justice Randall T. Shepard as chairperson of the Indiana Criminal Law Policy Committee at the annual meeting of the Indiana Judicial Conference.

Ralph McInerney, the Grace Professor of Medieval Studies, director of the Jacques Maritain Center, and professor of philosophy, received the Gerhart Niemeyer Award for distinguished contributions to scholarship in the liberal arts from the International Student Institute (ISI), Oct. 23.

Lenny Moss, assistant professor of philosophy, was named the inaugural distinguished visiting scholar at the ECRC Centre for Genomics in Society, Univ. of Exeter, Great Britain, in July.

Teresa Godwin Phelps, professor of law, was appointed to the editorial board of the *Journal of the Association of Legal Writing Directors*.

Dean Porter, director emeritus of the Snite Museum of Art, was appointed to the advisory council for the Taos, New Mexico Art Museum, Sept. 16, and to the board of the Irving Couse Foundation, Taos, Sept. 16.

James X. Sullivan, assistant professor of economics, received the 2003 doctoral dissertation award from the W.E. Upjohn Institute for Employment Research.

M. Katherine Tillman, professor in the Program of Liberal Studies, has been named co-editor of the new *Newman Studies Journal*.

Robert P. Vecchio, the Schurz Professor of Management, was appointed to the editorial board of *Leadership Quarterly*.

John P. Welle, professor of Romance languages and literatures, concurrent professor of film, television, and theatre, and Nanovic fellow, was named to the advisory board of the journal *Quaderni d'Italianistica*, the official journal of the Canadian Society for Italian Studies, for a four-year term.

Gordon D. Wishon, chief information officer, associate vice president/associate provost was recently appointed to serve on Microsoft Corporation's Higher Education Advisory Group.

Activities

John H. Adams, associate professor of biological sciences, chaired the annual meeting of the MR4 Scientific Advisory Committee in Bethesda, Md., Sept. 10–11; presented abstract as a poster "Mutational Analysis of the Plasmodium Vivax Duffy Binding Protein Identifies Critical Determinants for Receptor Recognition," prepared with K.N. van Buskirk and E.S. Sevova at the annual Molecular Parasitology meeting in Woods Hole, Mass., Sept. 14–17; and made the invited presentation "Gene Expression Analysis of Invasion-Related Proteins in Malaria Merozoites" at the third annual Virtual Conference on Genomics and Bioinformatics, Fargo, N.D., Sept. 17–19.

Panos J. Antsaklis, the Brosey Professor of Electrical Engineering and director of the Center for Applied Mathematics, gave a plenary talk titled "Hybrid Dynamical Systems: Recent Results and Future Challenges" at the 9th IEEE International Conference on Methods and Models in Automation and Robotics (MMAR'03), Miedzyzdroje, Poland, on Aug. 25; and an invited talk titled "Distributed, Scalable Control in Wireless Sensor Networks" at the NSF-ECS organized workshop on Wireless Networked Sensor and Actuator Systems, at UCLA, Los Angeles, Sept. 8–9.

J. Douglas Archer, librarian, gave the keynote address "Censorship and Other Intellectual Freedom Issues" at the Indiana Library Federation, District 8 Conference, Centerville-Center Township Public Library, Sept. 19; presented the keynote address and served on a panel at the Indiana University Faculty Forum "The PATRIOT ACT and the Challenge to Academic Freedom," Indiana Univ. South Bend, Oct. 3; and presented "Internal Security and Patron Privacy" at the Indiana Library Federation District 1 Conference, Notre Dame, Oct. 7.

Dinshaw S. Balsara, assistant professor of physics, presented the following invited talks: "Studying the Turbulent ISM with Supernova Explosions" at the National Astronomical Observatory, Tokyo, April 30; "Divergence-Free Adaptive Mesh MHD and Some Resulting Schemes," Kyoto Univ., May 28; "Studying the Turbulent ISM with Supernova Explosions," Kyoto Univ.,

May 30; "Divergence-Free Adaptive Mesh MDHD and Some Resulting Schemes" and "Innovative, Highly Parallel Adaptive Mesh Refinement," National Institute of Fusion Science, Gifu, Japan, June 2; "Supernova Remnants and their Interaction with their Environment," National Astronomical Observatory, Tokyo, July 11, and the same presentation at Kyoto Univ., July 15; and "AMR-MHD in Computational Astrophysics," Conference on Partial Differential Equations and their Applications, Notre Dame, Aug. 14–17.

Kevin Barry, assistant director of the Kaneb Center for Teaching and Learning and concurrent lecturer in computer applications, presented "*Tecnología en la educación universitaria*" at the Univ. del Istmo, Guatemala City, July 3, and "*Innovaciones en Teaching and Learning*" at El Primer Seminario y Muestra Internacional de New Media, Santiago, Chile, Sept. 23.

David Bartels, professional specialist in the Radiation Laboratory, co-organized a three-day symposium in the Physical Chemistry Division titled "The Conduction Band in Liquids and Disordered Solids: What is It and How Should We Talk about It?" with S. Bradforth at the American Chemical Society national meeting, New York, Sept. 6–11; and presented an invited talk "Reaction of OH + H₂ and the Critical Hydrogen Concentration" at the Workshop on Radiation Effects on Water Chemistry of Supercritical Water-Reactors" at the Univ. of Tokyo, Sept. 18–19.

Kathleen Biddick, professor of history and director of the Center for Creative Computing, presented "The Intermodal Pictures on the Wall: Nomadic Snapshots, Thumbnail Texts, Emergent Archives" at the International Visual Sociology Association Conference, Southampton, England, July 10.

Joseph Blenkinsopp, the O'Brien Professor Emeritus of Old Testament Studies, presented "Benjamin Traditions Read in the Persian Period" at a conference on Judah and Judeans in the Persian Period, Heidelberg, Germany, July 15–18; and "Qumran Sects in the Context of Second Temple Secularism" at the Univ. of Bristol, England, Sept. 8–10.

Steven M. Boker, associate professor of psychology, hosted the Notre Dame Series

on Quantitative Methodology: Data Analytic Techniques for Dynamical Systems, May 29–31, where he presented “Latent Differential Equations Modeling” on May 30; presented the invited colloquia “Latent Differential Equations Modeling” and “Multivariate Latent Differential Equations Modeling” at the Max Planck Institute for Physics of Complex Systems; Dresden, Germany, March 13 and 19, respectively; presented the invited colloquium “Coordination and Segmentation in Conversation and Dance” at the RIKEN Brain Science Institute Forum, Tokyo, May 18; presented the invited colloquium “Continuous Time Dynamical Systems Data Analysis” at the Pennsylvania State Univ. Methodology Center, State College, Pa., June 2; and presented “Dynamical Systems Models of Rapid Cycling Bipolar Disorder” at the annual meeting of the Society of Multivariate Experimental Psychology, Keystone, Colo., Sept. 18.

D’Arcy Jonathan Dacre Boulton, professional specialist and Medieval Institute fellow and concurrent associate professor of history, presented “A Typology of the Manners of Displaying the Insignia of Lay Offices in France, 1388–1570” at the XIII International Colloquium on Heraldry, Troyes, France, in September; and “The Incorporation of the Official Insignia of Lay Dignitaries into Armorial Achievements, 1388–1600” at the 38th International Congress on Medieval Studies, Western Michigan Univ., Kalamazoo, in May.

Maureen B.M. Boulton, professor of Romance languages and Medieval Institute fellow, presented “Courtly Devotion: Margaret of York’s Dialogue with Christ” at the 38th International Congress on Medieval Studies, Western Michigan Univ., Kalamazoo, in May.

William Carbonaro, assistant professor of sociology and fellow in the Institute for Educational Initiatives, presented “Explaining Variable Returns to Skill across Occupations” at the annual meetings of the American Sociological Association, Atlanta, in August; and “Track Effects on Student Learning: Examining Learning Gains across Discrepant Courses” at the summer meetings of RC 28 of the International Sociological Association, New York, in August.

Jeffrey L. Feder, associate professor of biological sciences, presented “Darwinian Natural Selection for Orange Bioluminescent Color in a Jamaican Click Beetle” at Louisiana State Univ., Baton Rouge, Sept. 23.

Judith L. Fox, associate professional specialist in law, presented “Private Enforcement of the Indiana Deceptive Sales Act” at the Predatory Mortgage Lending in Indiana conference, Sept. 24–25.

Agustin Fuentes, associate professor of anthropology, presented an invited talk titled “Monkeys in a Human World: Demography, Disease, and Behavior in the Macaques of Bali” for the Animal Behavior Seminar Series at the Univ. of Chicago, Oct. 8.

Umesh Garg, professor of physics, served on the international advisory committee of the International Conference on Nuclear Structure and Related Topics held at Dubna, Russia, Sept. 2–7.

Jessica Hellmann, assistant professor of biological sciences, presented the invited talk “Designing a Capstone Experience for recent Ph.D.s Embarking on Interdisciplinary Careers” at the NSF Biocomplexity meeting, Catalina Island, Calif., Oct. 3–6.

Gordon Hug, associate professional specialist in the Radiation Laboratory, presented “What Time-Resolved ESR Tells Us About the Radiolytic Oxidation of Amino Acids,” written with P. Wisniowski, **Ian Carmichael**, professional specialist in the Radiation Laboratory, and **Richard W. Fessenden**, professor emeritus of chemistry and biochemistry, at the 23rd Miller Conference on Radiation Chemistry, Bialowieza, Poland, Sept. 6–12.

Boldizsár Janko, assistant professor of physics, presented “Strong Correlation Effects in Diluted Magnetic Semiconductors,” an invited talk, at the Institute of Physics, Budapest Univ. of Technology and Economics, in May; and “Permalloy-Magnetic Semiconductor Hybrids,” an invited talk, at the Argonne LDRD Mini-Symposium, in June.

Robert C. Johansen, senior fellow at the Kroc Institute and professor of political science, was interviewed “The Aftermath of September 11,” on WVPE, Aug. 29; presented “Improving United Nations Capacity to Meet New Security Challenges,” and was a panelist on “Future Security Problems and

Opportunities” and “Strengths and Weaknesses in World Federalist Thinking,” PAX 2100 Forum, Hesburgh Center for International Studies, Notre Dame, May 20–21.

Robert L. Jones Jr., director of the Notre Dame Legal Aid Clinic, presented “Indiana Common Law Claims and Defenses” at the Predatory Mortgage Lending in Indiana conference, Sept. 24–25.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, presented “Photoinduced Charge Separation in Organic-Inorganic Nanohybrids” at the 11th International Conference on Surface and Colloid Science, Igasu Falls, Brazil, Sept. 15–19; and a seminar “Photoresponsive Organic-Inorganic Hybrid Nanostructures” at Auburn Univ., Oct. 2.

Lloyd H. Ketchum Jr., associate professor of civil engineering and geological sciences, presented “Excel Spreadsheets to Submit MRO and DMR Monthly Reports” at the Northern Indiana Operators Association meeting, La Porte, Sept. 10.

Christopher F. Kolda, assistant professor of physics, presented “Two Birds with One Stone: Finding the SUSY Higgs in Rare Processes,” a seminar, at the Massachusetts Institute of Technology, Cambridge, Mass., April 7; and “Higgs-Mediated Lepton Flavor Violation,” an invited talk, at the 11th International Conference on Supersymmetry and Unification of Fundamental Interactions, Tucson, in June.

Charles F. Kulpa Jr., professor and chair of the Biological Sciences Department, presented “Study of Bacterial Transport and Diversity in Heterogeneous Groundwater Systems Using Genetically Engineered Luminescent Bacteria and Microbial Ecological Approaches” at Kyoto Univ., Japan, Sept. 13.

David Lodge, professor of biological sciences, presented “Bioeconomic Risk Analysis of Invasive Species” to a symposium sponsored by the International Joint Commission in Ann Arbor, Mich., Sept. 18–19; and directed the annual meeting of an NSF-funded, five-university project at the Univ. of Wyoming field station, Jackson Hole, Sept. 10–14.

George A. Lopez, director of Policy Studies and senior fellow at the Kroc Institute,

appeared in a video interview on the war in Iraq for the Eisenhower National Security Conference held in Washington, D.C. on Sept. 25 and 26; presented "Why the U.S. and the UN Need Each Other" at the Elkhart Rotary Club on Sept. 29; and presented "The Future of U.S. Foreign Policy in a Changing World" at the Penn-Mishawaka Public Library on Oct. 1.

Edward J. Maginn, associate professor of chemical and biomolecular engineering, presented "Molecular Modeling of the Thermodynamic and Transport Properties of Ionic Liquids" and "Molecular Modeling of the Thermodynamic and Transport Properties of Industrially-Relevant Fluids: Methods, Results and Insights" at the 226th ACS meeting, New York, Sept. 7–10.

Grant Mathews, professor of physics and director of the Center for Astrophysics, presented an invited talk "Observational Constraints on Brane-World Cosmology: Evidence for the Fifth Dimensions" at a joint workshop on "Physics Beyond the Standard Model," Korean Institute for Advancement of Science, Seoul, May 8; an invited talk "Dark Energy, Dark Radiation, and Disappearing Dark Matter in Randall-Sundrum Cosmology" at the Great Lakes Cosmology Workshop, Univ. of Michigan, Center for Theoretical Physics, May 18; an invited talk "Relativistic Compression of Neutron Stars and White Dwarfs" at the 10th Marcell Grossmann Meeting on General Relativity, CBPF-IRCA, Rio de Janeiro, July 22; and an invited talk at the same meeting, July 23, "Disappearing Dark Matter in Brane-World Cosmology: New Limits on Noncompact Extra Dimensions."

Timothy Matovina, associate professor of theology, presented "Guadalupe and the Crucified One: Hispanic Ways of Being Catholic" at the Center for Spirituality, Saint Mary's College, Notre Dame, in September; "Hispanic Catholics and Electoral Politics" to the Covering Religion in the 2004 Election Cycle Conference, Greenberg Center for the Study of Religion in Public Life, Trinity College, Hartford, Conn, in September; and "*Camino a Emaús: Compartiendo el ministerio de Jesús*" at the annual conference of the Midwest Catholic Association of Hispanic Ministry, South Bend, in October.

Rev. Richard P. McBrien, the Crowley-O'Brien Professor of Theology, presented "The Popes and the Jews" at the Swig Judaic Studies Program, Univ. of San Francisco, Sept. 11; and "Jesus and the Church" at the Long Island Voice of the Faithful, Huntington Hilton, N.Y., Sept. 27.

Ralph McInerny, the Grace Professor of Medieval Studies, director of the Jacques Maritain Center, and professor of philosophy, presented "Roots and Characteristics of Christian Humanities: Perspective of Thomas Aquinas" at the annual meeting of the Pontifical Academy of Thomas Aquinas, Rome, Sept. 23.

Gerald McKenny, associate professor of Christian ethics, delivered the opening keynote address on Oct. 1 at the 2003 Critical Issues Symposium at Hope College.

Dan Meisel, director of the Radiation Laboratory and professor of chemistry and biochemistry, presented "Modeling the Chemistry in High-Level Waste Tanks: Effects of Radiation and Heat on Waste Simulants" (with **Ian C. Carmichael**, professional specialist in the Radiation Laboratory; **Daniel L. Chipman**, professional specialist in the Radiation Laboratory; **Gordon L. Hug**, associate professional specialist in the Radiation Laboratory; **J. Bentley**; **D. Camaioni**; **M. Dupuis**; **S.T. Autrey**; and **W.D. Shaw**) at the American Chemical Society annual meeting in New York, Sept. 7–12.

Eric Lease Morgan, librarian, presented "My Library: A Three-day, Hands-on Workshop" in Kingston, Jamaica, July 2–4.

Steve Moriarty, the Kaeser Curator of Photography at the Snite Museum of Art, associate professional specialist, and concurrent assistant professor, installed an exhibit of his photographs of Latin America in the Galeria America at the Institute for Latino Studies.

Lenny Moss, assistant professor of philosophy, presented "Anthropogenesis and Human Nature—Towards a New (and Old) Philosophy of Anthropology" and "Distinguishing Gene-P and Gene-D—the Argument and Its Implications" at the ESRC Centre for Genomics in Society, Univ. of Exeter, Great Britain, July 22–23; and "Human Nature, the Genetic Fallacy, and the Politics of Development: Philosophical Anthropology as Critical Theory," and "Genes,

Genomes and Genetic Elements: Evolutionary Implications of New Developments in Molecular Genetics," a commentary on Rafael Falk and Stephen Downes, at the International Society for the History, Philosophy and Social Studies of Biology, Univ. of Vienna, July 18.

Rev. Ronald Nuzzi, director, ACE Leadership Program, conducted a one-day workshop titled "The Spirituality of Leadership" at Marian College, Indianapolis, sponsored by the Institute for Catholic School Principals, Sept. 12.

Emily Lynn Osborn, assistant professor of history, Kellogg Institute and Kroc Institute fellow, presented the invited talk "Historical Perspectives on States and Societies in Guinea" at a seminar organized by the Bureau of Intelligence and Research of the U.S. Dept. of State, Arlington, Va., Aug. 21.

Joseph O'Tousa, associate dean of Science and professor of biological sciences, presented a poster titled "The Roles of NinaB, NinaD, and NinaG in Rhodopsin Maturation" prepared with **G. Gu**, **S. Sarfare**, and **J. Yang**, at the Neurobiology Conference at Cold Spring Harbor Laboratories, N.Y., Oct. 1–5.

Simon M. Pimblott, professional specialist in the Radiation Laboratory, presented "Chemical Dynamics of Low-Energy Electrons," written with **N.J.B. Green**, at the Physical Chemistry Division Symposium "The Conduction Band in Liquids and Disordered Solids: What is It, and How Should We Talk about It?" at the American Chemical Society national meeting, New York, Sept. 7–11.

Morris Pollard, the Coleman Professor Emeritus and director of the LOBUND Institute, presented an invited lecture on refractory prostate cancer at the Univ. of Michigan Comprehensive Cancer Center, Aug. 19.

Dean A. Porter, director emeritus of the Snite Museum of Art, was the keynote speaker at the third biennial symposium for the Charles M. Russell Center for the Study of Art of the American West, Univ. of Oklahoma School of Art "The Artists of Taos: Dawn to Light" where he presented "Taos Society of Artists: Contemporary Criticism" on Oct. 2; presented a one-man show of watercolors, oils, and acrylics, "New Mexico Panorama," at the Panhandle Plains

Museum, Canyon, Tex., April 11 through June 4; delivered an invited lecture titled "H.J. Litcher Stark, Patron," celebrating the 25th anniversary of the Stark Museum of Art, Orange, Tex., May 16; participated in a joint exhibition "Untrodden Paths Contemporary Landscapes" at the Massillon, Ohio, May 24 through Aug. 3, where he also delivered an invited gallery talk; had his watercolors "Snow Patterns" and "Mabel's Pink House" reproduced in *J.N. Bartfield Galleries, New York, Exhibition Catalogue* (spring); delivered the invited lecture "The Rise and Fall of Walter Ufer" at the National Cowboy and Western Heritage Museum's Prix de West Invitational Exhibition and Sale, Oklahoma City, June 13; presented the invited lecture "The Harwood Museum and the Taos Society of Artists" at the Harwood Museum, Taos, N.M., Sept. 4; and delivered the invited lecture "The Nicolai Fechin House, An American Icon" for the Taos Art Museum, Sep. 5.

Steven T. Ruggiero, associate professor of physics, presented the seminar "Silute Al-Mn Alloys for Low-Temperature Device Applications" at the 10th International Conference on Low-Temperature Detectors, Genoa, Italy, July 8; and the seminar "Dilute Al-Mn Alloys for Superconductor Device Applications" at the Jet Propulsion Laboratory, Pasadena, Calif., July 29.

Mark R. Schurr, associate professor of anthropology, presented "Geomagnetic Surveys at the PPNA site of Dhra', Jordan," written with **Ian Kuijt**, associate professor of anthropology, and **W. Finlayson**, at the conference "Archaeological Prospection 2003," Krakow, Poland, Sept. 10-14, where he also became a founding member of the newly constituted International Society for Archaeological Prospection.

David W. Severson, professor of biological sciences, presented an invited lecture "The *Aedes aegypti* Genoma Project and Applications for Understanding Dengue Vector Competence" at the eighth International Course on Dengue and Dengue Hemorrhagic Fever in Havana, Cuba, Aug. 18-22; and was a co-organizer of the EMBO Workshop on "Molecular and Population Biology of Mosquitoes" in Kolymbari, Crete, Greece, Aug 11-15, where he presented "Aedes aegypti Genomics."

Jeanne Romero-Severson, associate professor of biological sciences, gave the invited presentation "Comparative Genomics in Natural Populations of Red Oaks (*Quercus* section Lobatae)" at the International Union of Forestry Research Organizations annual meeting in Tsukuba, Japan, Sept. 26 through Oct. 3.

Mark A. Suckow, director and research associate professor in the Freimann Life Science Center, presented "Mucosal Vaccination with an Alginate Microparticle Delivery System" in St. Petersburg, Russia, at "Eradication and Elimination of Infectious Disease," sponsored by the St. Petersburg affiliate of the Pasteur Institute, Sept. 4-5.

Carol E. Tanner, associate professor of physics, presented "High Resolution Spectroscopy of Atomic Hyperfine Structure Reveals the Nuclear Magnetic Octupole Moment of ^{133}Cs ," a seminar, at the European Laboratory for Non-Linear Spectroscopy (LENS) in Firenze, Italy, July 8.

Julia Adeney Thomas, associate professor of history, organized a panel called "The New Materialism: Bringing Nature Back In" and presented a paper of the same title to the European Association of Japanese Studies Conference in Warsaw, Poland, Aug. 28.

JoEllen Welsh, professor of biological sciences, gave an invited presentation titled "Vitamin D and Cancer: Case Study of Vitamin D and Breast Cancer" at the NIH Conference on Vitamin D in Bethesda, Md., Oct. 8-10.

David Yamane, assistant professor of sociology, presented "Catholics in the 2004 Election" at a conference for journalists sponsored by the Greenberg Center for the Study of Religion and Public Life at Trinity College and the Bliss Institute of Applied Politics at the Univ. of Akron, Trinity College, Hartford, Conn., Sept. 15.

Samir Younés, associate professor of architecture and director of Rome Studies, presented "L'architettura di Como. Quale futuro?" at the conference held by the Comune di Como in the Sala del Broletto, Sept. 13; and was quoted in the newspaper *La Provincia*, Como, Sept. 12, in an article titled "La città ridisegnata dagli americani. Una mostra e un libro."

Publications

Sudhir N.V.K. Aki, research assistant professor of chemical and biomolecular engineering, published "Phase Equilibria of Gases and Liquids with 1-n-butyl-3-Methylimidazolium Tetrafluoroborate" with J.L. Anthony, J.M. Crosthwaite, D.G. Hert, **Edward J. Maginn**, associate professor of chemical and biomolecular engineering, and **Joan F. Brennecke**, the Keating-Crawford Professor of Chemical Engineering, in *Ionic Liquids as Green Solvents: Progress and Prospects*, ACS Symposium Series No. 856, R.D. Rogers and K.R. Seddon, eds. (2003): 110-120.

Panos J. Antsaklis, the Brosey Professor of Electrical Engineering and director of the Center for Applied Mathematics, published "Safety and Reachability of Piecewise Linear Hybrid Dynamical Systems Based on Discrete Abstractions," written with X.D. Koutsoukos, *Journal of Discrete Event Dynamic Systems* 13, No. 3 (July): 203-243; "An Adaptive Inverse Controller for Explicit Rate Congestion Control with Guaranteed Stability and Fairness," with K.P. Laberteaux and C.E. Rohrs, *International Journal of Control* 76, No. 1 (2003): 24-47; "Quadratic Stabilizability of Switched Linear Systems with Polytopic Uncertainties," with G. Zhai and H. Lin, *ibid.*: 76, No. 7 (2003): 747-753; "Results and Perspectives on Computational Methods for Optimal Control of Switched Systems," with X. Xu, *Hybrid Systems: Computation and Control (HSCC 2003)*, O. Maler and A. Pnueli, eds., *Lecture Notes in Computer Science* 2623 (Springer, 2003): 540-555; "Decentralized Control of Petri Nets," with M. Iordache, *Proceedings of the Workshop on Discrete Event Systems Control at the 24th International Conference on Application and Theory of Petri Nets (ATPN 2003)*, Eindhoven, The Netherlands, 24 June, 2003: 143-158; "Stochastic Stability for Model-Based Networked Control Systems," with L. Montestruque, *Proceedings of the 2003 American Control Conference*, Denver, Colorado, June 4-6, 2003: 4119-4124; "Admissible Decentralized Control of Petri Nets," with M. Iordache, *ibid.*: 332-337; "Decentralized Control of Petri Nets with Constraint Transformations," with M. Iordache, *ibid.*: 314-319; "Set-Valued Observer Design for a Class of Uncertain Linear Systems with Persistent Disturbance," with H.

Lin and G. Zhai, *ibid.*: 1902–1907; “Robust Invariant Control for Discrete-Time Polytropic Uncertain Linear Hybrid Systems,” with H. Lin, *ibid.*: 5221–5226; “Optimal Control of Hybrid Autonomous Systems with State Jumps,” with X. Xu, *ibid.*: 5191–5196; “Quadratic Optimal Control Problems for Hybrid Linear Autonomous Systems with State Jumps,” with X. Xu, *ibid.*: 3393–3398; “Practical Stabilization of Integrator Switched Systems,” with X. Xu, *ibid.*: 2767–2772; “Optimal Control of Switched Autonomous Systems,” with X. Xu, *Proceedings of the 41st IEEE Conference on Decision and Control, Las Vegas, Nevada, December 10–13, 2002*: 4401–4406; “State and Output Feedback in Model-Based Networked Control Systems,” with L.A. Montestruque, *ibid.*: 1620–1625; “Controller Synthesis for a Class of Uncertain Piecewise Linear Hybrid Dynamical Systems,” with H. Lin, *ibid.*: 3188–3193; and “Robust Controlled Invariant Sets for a class of Uncertain Hybrid Systems,” with H. Lin, *ibid.*: 3180–3181.

David E. Aune, professor of theology, published “Prophet/Prophetin/Prophetie IV. Christentum. 1. Neues Testament,” *Religion in Geschichte und Gegenwart*, 4. Aufl., 6 (Tübingen: Mohr-Siebeck, 2003): 1702–1704; and “Prophet/Prophetin/Prophetie IV. Christentum. 2. Kirchengeschichtlich,” *ibid.*: 1704–1705.

Kevin Barry, assistant director, Kaneb Center, assistant professional specialist, published “Assessment as the Lever” in *Developing Faculty to Use Technology: Programs and Strategies to Enhance Teaching*, D.G. Brown, ed. (Anker Publishing, 2003).

Alicia M. Beatty, research associate professor of chemistry and biochemistry, published “Reaction of the Transition Metal Hydrides $[\text{Cp}^*\text{MH}_2]_2$ ($\text{Cp}^* = \eta^5\text{-C}_5\text{Me}_5$; $\text{M} = \text{Fe}, \text{Ru}$) with BH_3THF to Yield Metallaboranes: Improved Kinetic Control Leads to Novel Ferraboranes” with M.A. Peldo and Thomas P. Fehlner, associate chairperson and the Grace-Rupley Professor of Chemistry, *Organometallics* 22 (2003): 3698–3702; “Molecular QCA Cells. 1. Structure and Functionalization of an Unsymmetrical Dinuclear Mixed-Valence Complex for Surface Binding” with Zhao-hui Li, research associate in chemistry and biochemistry, and Thomas P. Fehlner, *Inorganic Chemistry* 42 (2003): 5707–5714; and “Reactions of *nido*-1.2- $(\text{Cp}^*\text{RuH})_2\text{B}_3\text{H}_7$

with $\text{RC}\equiv\text{C}'$ ($\text{R}, \text{R}' = \text{H}, \text{Ph}; \text{Me}, \text{Me}$) to Yield Novel Metallacarboranes” with H. Yan and Thomas P. Fehlner, *Journal of Inorganic Chemistry* 680 (2003): 66–80.

John J. Bentley, associate professional specialist and assistant director of the Radiation Laboratory, published “Substituent Effects in the Reaction of OH Radicals with Aromatics: Toluene,” Written with G. Albarran and Robert H. Schuler, the Zahm Professor Emeritus of Radiation Chemistry, *Journal of Physical Chemistry A* 107, No. 39 (2003): 7770–7774.

Kathleen Biddick, professor of history and director of the Center for Creative Computing, published *The Typological Imaginary: Circumcision, Technology, History* (Univ. of Pennsylvania Press, 2003).

Steven M. Boker, associate professor of psychology, published “Symmetry Building and Symmetry Breaking in Synchronized Movement” with J.L. Rotondo in *Mirror Neurons and the Evolution of Brain and Language*, M. Stamenov and V. Gallese, eds. (Amsterdam: John Benjamins, 2003): 163–171; and “Behavioral Dynchronization in Human Conversational Interaction,” also with J.L. Rotondo, *ibid.*: 151–162.

Maureen B.M. Boulton, professor of Romance languages and Medieval Institute fellow, published “*Jean Galopes, traducteur des Meditationes Vitae Christi*” in *Traduction Dérivation Compilation, La Phraséologie: Le Moyen Français* 51–53 (2003): 91–102.

Carol A. Brach, associate librarian, published “Electronic Collections—Evolution and Strategies: Past, Present, and Future” simultaneously in *Science & Technology Libraries* 21, No. 1/2, (2001): 17–27, and *Information Practice in Science and Technology: Evolving Challenges and New Directions*, M.C. Schlembach, ed. (The Haworth Information Press, 2001): 17–27, published August, 2003.

Jacqueline Vaught Brogan, professor of English, published *The Violence Within/The Violence Without: Wallace Stevens and the Emergence of a Revolutionary Poetics* (Univ. of Georgia Press, 2003) and *Damage*, a collection of poems (Univ. of Notre Dame Press, 2003).

Bruce A. Bunker, chair and professor of physics, published “Adsorption of Cadmium to *Bacillus subtilis* Bacterial Cell

Walls—a pH-Dependent X-ray Adsorption Fine Structure Spectroscopy Study,” written with M.I. Boyanov, S.D. Kelly, K.M. Kemner, J.B. Fein, and D.A. Fowle, *Geochimica et Cosmochimica Acta* 67, No. 18 (2003): 3299–3311; and “Mechanism of Pb Adsorption to Fatty Acid Langmuir Monolayers Studied by X-ray Adsorption Fine Structure Spectroscopy,” written with M.I. Boyanov, J. Kmetko, T. Shibata, A. Datta, and P. Dutta, *Journal of Physical Chemistry B* 107, No. 36 (2003): 9780–9788.

G. Christopher Clark, consultant to faculty, Kaneb Center, assistant professional specialist, published “Untangling the Web of Services: The Resources Web Site” in *Developing Faculty to Use Technology: Programs and Strategies to Enhance Teaching*, D.G. Brown, ed. (Anker Publishing, 2003); and “The WebCT Seminar,” *ibid.*

Paul M. Cobb, assistant professor of history and Kroc Institute fellow, published “Al-Maqrizi, Hashimism, and the Early Caliphates,” in *Mamluk Studies Review* 7 (2003): 69–81.

Lawrence Cunningham, the O’Brien Professor of Theology, published “Vatican II” in *Handbook of Christian Theology* 2nd edition, D. Musser and J. Price, eds. (Nashville: Abingdon, 2003): 531–535; “St. Joan of Arc: Two Bronzes” in *Face to Face: Exhibition Catalog* (Notre Dame: Snite Museum, 2003): 54–57; and “Spirituality and Religion: Some Reflections” in *Business, Religion, and Spirituality*, Rev. Oliver F. Williams, C.S.C., associate professor of management, Kroc Institute fellow, and director of the Center for Ethics and Religious Values in Business, ed. (Notre Dame: Univ. of Notre Dame Press, 2003): 168–186.

Rev. Virgilio Elizondo, visiting professor of theology, visiting professor of Latino Studies, and fellow in the Kellogg Institute, published *A God of Incredible Surprises: Jesus of Galilee* (Rowman & Littlefield, 2003).

Morton Ring Eskildsen, assistant professor of physics, published “Vortex Imaging in Magnesium Diboride with H Perp. c” with N. Jenkins, G. Levy, M. Kugler, O. Fischer, J. Jun, S.M. Kazakov, and J. Karpinski, *Physical Review B* 68 (2003): 100508–1–100508–4.

Leonid Faybusovich, professor of mathematics, and T. Tsuchiya published “Primal-Dual Algorithms and Infinite-Dimensional

Jordan Algebras of Finite Rank," *Mathematical Programming, Series B* 97 (2003): 471–493.

Thomas P. Fehlner, associate chairperson and the Grace-Rupley Professor of Chemistry, published "Molecular QCA Cells. 2. Characterization of an Unsymmetrical Dinuclear Mixed-Valence Complex Bound to a Au Surface by an Organic Linker" with **Zhaohui Li**, research associate in chemistry and biochemistry, *Inorganic Chemistry* 42 (2003): 5715–5721.

Umesh Garg, professor of physics, published "A Composite Chiral Pair of Rotational Bands in the Odd-A Nucleus ^{135}Nd " with Z. Shu, B.K. Nayak, S.S. Ghugre, N.S. Pattabiraman, D.B. Fossan, T. Koike, K. Starosta, C. Vaman, R.V.F. Janssens, R.S. Chakrawarthy, M. Whitehead, A.O. Macchiavelli, and **Stefan G. Fraundorf**, professor of physics, *Physical Review Letters* 91, No. 13 (2003): 132501-1–132501-4.

Alyssa Gillespie, the Notre Dame Assistant Professor of Russian Language and Literature and fellow of the Nanovic Institute, published a review of Emily Klenin's recent book *The Poetics of Afanasy Fet* (2002), in *Slavic Review* 62, No. 3 (fall 2003): 629–631; and an encyclopedia article on Joseph Brodsky in *Russian Writers Since 1980*, vol. 285 in the series *Dictionary of Literary Biography* (Detroit: Gale Group, 2003): 17–39.

Denis A. Goulet, the O'Neill Professor Emeritus in Education for Justice, Dept. of Economics, published *Development Ethics: A Guide to Theory and Practice* (Chinese edition) (Beijing: Academy of Social Science, 2003): 273 pp.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, published "Controlling Short- and Long-Range Electron Transfer Processes in Molecular Dyads and Triads" with L. Sánchez, I. Pérez, and N. Martín, *Chemistry, A European Journal* 9 (2003): 2457–2468.

Jimmy Gurulé, professor of law, published "The Global Effort to Stop Terrorist Financing," *U. S. Foreign Policy Agenda American Internationalism* (U. S. Dept. of State) 8, No. 1 (Aug.) and *The Law of Asset Forfeiture* 2003 Supplement with S. Guerra-Thompson and M. O'Hear, (LexisNexis Publishers, 2003): 130 pp.

Kevin J. Hart, professor of English and Nanovic Institute fellow, published "The Kingdom and the Trinity," *Religious Experience and the End of Metaphysics*, J. Bloechl, ed. (Indiana Univ. Press, 2003): 153–173.

Michael D. Hildreth, assistant professor of physics, published "Search for Large Extra Dimensions in the Monojet+Missing E_T Channel at $DØ$ " with V.M. Abazov, et al., *Physical Review Letters* 90 (2003): 251802 (6 pp.).

Boldizsár Janko, assistant professor of physics, published "Zeeman-Splitting Induced Bound States in Diluted Magnetic Semiconductors," with M. Berciu, *Physical Review Letters* 90, No. 24 (2003): 246804–246812; and "Theory of Strong Electron-Phonon Superconductivity for MgB_2 in the Framework of a Two-Band Model" with C.P. Moca, *Physica C* 387, Nos. 1–2 (2003): 122–130.

Robert C. Johansen, senior fellow at the Kroc Institute and professor of political science, published "An E-Parliament to Democratize Globalization: An Idea Whose Time Has Come," Kroc Institute for International Peace Studies, Occasional Paper #22, 2003; and "An E-Parliament to Democratize Globalization" in *A Reader on Second Assembly and Parliamentary Proposals*, S.H. Mendlovitz and B. Walker, eds. (Wayne, N.J.: Center for UN Reform Education, 2003): 39–118.

Gerald L. Jones, director of the Chemical Physics Program and professor of physics, published "Simulating Convergent Extension by Way of Anisotropic Differential Adhesion" with M. Zajac and J.A. Glazier, *Journal of Theoretical Biology* 222, No. 2 (2003): 247–259.

James J. Kolata, professor of physics, published "Measurements of Astrophysical Neutron Capture Cross Sections via the Inverse Reaction" with A. Horváth, A. Galonsky, N. Carlin, F. Deák, T. Gomi, V. Guimarães, Y. Higurashi, K. Hiroshi, K. Ieki, Y. Iwata, Á. Kiss, T. Rauscher, H. Schling, J. von Schwarzenberg, Z. Seres, S. Takeuchi, S. Typel, R. Warner, and J. Weiner, *Nuclear Physics A* 719 (2003): 9c–12c; "Searching for Resonances in the Unbound ^6Be and ^5Li Nuclei" with V. Guimarães, R. Kuramoto, R. Lichtenthäler, G. Amadio, E. Benjamin, P.N. de Farika, A. Lépine-Sziuly, G.F. Lima, **Gregory V. Rogachev**, research assistant

professor of physics, F.D. Becchetti, T. O'Donnell, Y. Chen, J. Hinnefeld, and J. Lupton, *ibid.* 722 (2003): 341c–346; and "The TwinSol Low-Energy Radioactive Nuclear Beam Apparatus: Status and Recent Results" with F.D. Becchetti, M.Y. Lee, T.W. O'Donnell, D.A. Roberts, **Larry O. Lamm**, research assistant professor of physics, Gregory V. Rogachev, V. Guimarães, P.A. De Young, and S. Vincent, *Nuclear Instruments and Methods in Physics Research A* 505 (2003): 377–380.

Christopher F. Kolda, assistant professor of physics, published "Updated Implications of the Muon Anomalous Magnetic Moment for Supersymmetry" with M. Byrne and J. Lennon, *Physical Review D* 67 (2003): 075004-1–075004-11; and " $B_d \rightarrow \phi K_s$ CP Asymmetries as an Important Probe of Supersymmetry" with G. Kane, P. Ko, H. Wang, J. Park, and L. Wang, *Physical Review Letters* 90 (2003): 141803-1–141803-4.

Thomas C. Laughner, associate director of educational technologies and services, OIT, assistant professional specialist, published "The Sky is eFalling" with D. Starrett and M. Rodgers, in *The National Teaching & Learning Forum* 12, No. 5; "Program Philosophy: Keeping Sight of What's Important" in *Developing Faculty to Use Technology: Programs and Strategies to Enhance Teaching*, D.G. Brown, ed. (Anker Publishing, 2003); and "Learning Spaces at the University of Notre Dame," *ibid.*

George A. Lopez, director of policy studies and senior fellow at the Kroc Institute, published "U.S. Must Accept Outside Help to Secure Iraq," *Chicago Sun Times*, Aug. 27; and "Perils of Bush's Pre-Emptive War Doctrine," *Indianapolis Star*, Oct. 3.

Edward J. Maginn, associate professor of chemical and biomolecular engineering, published "Molecular Structure of Various Ionic Liquids From Gas Phase *ab initio* Calculations," written with T.I. Morrow, in *Ionic Liquids as Green Solvents: Progress and Prospects*, ACS Symposium Series No. 856, R.D. Rogers and K.R. Seddon, eds. (2003): 162–173.

Grant Mathews, professor of physics and director of the Center for Astrophysics, published "Element-Enhanced Metal-Poor Stars: A New Probe of the 151Sm Branching" with W. Akoi, S.G. Ryan, N. Iwamoto,

T.C. Beers, J.E. Norris, H. Ando, and T. Kajino, *Astrophysics Journal Letters* 592 (2003): L67—L70; "r-Process Abundance Universality and Actinide Cosmochronology" with K. Otsuki and T. Kajino, *New Astronomy* 8 (2003): 767—776; "New Paradigms in Primordial Nucleosynthesis" with K. Ichiki, T. Kajino, M. Orito, and M. Yaihiro, *Nuclear Physics A* 718 (2003): 15—22; "A New Model for s-Process Nucleosynthesis in Low-Mass, Low-Metallicity AGB Stars" with N. Iwamoto, M.Y. Fujimoto, T. Kajino, and W. Aoki, *ibid.*: 193—196; "Constraints on the Nature of Cosmological Constant: From Big Bang Nucleosynthesis and CMB Anisotropies" with K. Ichiki, M. Yaihiro, T. Kajino, and M. Orito, *ibid.*: 383—385; "Observational Constraints on Dark Radiation in Brane Cosmology" with K. Ichiki, M. Yaihiro, T. Kajino, and M. Orito, *ibid.*: 386—388; "Nuclear Cosmochronometer and Universality in the r-Process Abundance Distribution" with K. Otsuki and T. Kajino, *ibid.*: 677—679; "BBN and CMB Constraints on Universal Lepton Asymmetry, Quintessential Inflation, and Brane World Cosmology" with M. Orito, T. Kajino, K. Ichiki, M. Yaihiro, and Y. Wang, *Nuclear Physics A* 719 (2003): 1—8; and "Nucleosynthesis in Low-Mass, Low-Metallicity AGB Stars" with N. Iwamoto, T. Kajino, and M.Y. Fujimoto, *ibid.*: 57—60.

Timothy Matovina, associate professor of theology, published "Our Lady of Guadalupe" in *Religion and American Cultures: An Encyclopedia of Traditions, Diversity, and Popular Expressions*, G. Laderman and L. León, eds. (Santa Barbara, Calif.: ABC-CLIO, 2003): 87—90.

Rev. Richard P. McBrien, the Crowley-O'Brien Professor of Theology, published *Lives of the Saints: from Mary and St. Francis of Assisi to John XXIII and Mother Teresa* (San Francisco: Harper San Francisco, 2003): 646 pp.

Akio Mori, research associate professor of biological sciences, published "A Targeted Approach to the Identification of Candidate Genes Determining Susceptibility to *Plasmodium gallinaceum* in *Aedes aegypti*," written with I. Morlais, **David W. Severson**, professor of biological sciences, and J.R. Schneider, *Molecular Genetic Genomics* 269 (2003): 753—764.

Rudolph M. Navari, associate dean, College of Science, and director of the Walther Cancer Research Center, published "Electrocardiographic and Cardiovascular Effects of the 5-Hydroxytryptamine-3 Receptor Antagonists" in *Annals of Pharmacotherapy* 37, No. 9 (2003): 1276—1286.

Rev. Ronald Nuzzi, director, ACE Leadership Program, published *A Handbook of Research on Catholic Higher Education* (Greenwich, Conn.: Information Age Publishing, 2003) with E. Joseph and J. Geiger, et al. The book was dedicated to **Rev. Theodore Hesburgh**, C.S.C.

John O'Callaghan, associate professor of philosophy and associate director of the Maritain Center, published "More Words on the VERBUM: A Response to James Doig" in *American Catholic Philosophical Quarterly* 77, No. 2 (spring): 257—268; and *Thomist Realism and the Linguistic Turn: Toward a More Perfect Form of Existence* (Notre Dame: Univ. of Notre Dame Press, 2003): 357 pp.

William O'Rourke, professor of English, published "Thunder From the Left," a review of Joe Conason's *Big Lies*, in the *Chicago Sun-Times* 56, No. 33 (Aug. 17): 11D, and "Sticking It to GeeDubya," a review of Molly Ivins and Lou Dubose's *Bushwacked*, *ibid.* No. 38 (Sept 21): 11D.

Jeffrey W. Peng, assistant professor of chemistry and biochemistry, published "New Probes of Ligand Flexibility in Drug Design: Transferred ¹³C CSA-Dipolar Cross-Correlated Relaxation at Natural Abundance," *Journal of the American Chemical Society* 125 (2003): 11116—11130.

John Poirier, professor emeritus of physics, published "Search for Sub-TeV Gamma Rays in Coincidence with Gamma Ray Bursts," written with C. D'Andrea, P.C. Fragile, J. Gress, **Grant J. Mathews**, professor of physics and director of the Center for Astrophysics, and D. Race, in *Physical Review D* 67 (2003): 042001—042007; "A Proportional Wire Chamber Array: GRAND's Status," written with C. D'Andrea, M. Lopez del Puerto, E. Strahler, and J. Vermedahl, *Proceedings of the 28th International Cosmic Ray Conference* (2003): 993—996; "Search for Sub-TeV Gamma Rays Coincident with BATSE Gamma Ray Bursts," written with C. D'Andrea, J. Gress, and D. Rase, *ibid.*: 2709—2712; and "A Study of the

Ground Level Event of April 15, 2001 with GRAND," written with C. D'Andrea, *ibid.*: 3423—3426.

Gregory V. Rogachev, research assistant professor of physics, published "Final State Interaction or a ³H Excited State?" with **James J. Kolata**, professor of physics, V.Z. Goldberg, L.V. Grigorenko, F.D. Becchetti, P.A. DeYoung, J.D. Hinnefeld, **Larry O. Lamm**, research assistant professor of physics, J. Lupton, T.W. O'Donnell, D.A. Roberts, and S. Shaheen, *Physical Review C* 68 (2003): 024602 (1—7).

Steven T. Ruggiero, associate professor of physics, published "T_c Suppression in Superconducting Films for Use in Transition Edge Sensors" with S.W. Deiker, G.C. Hilton, K.D. Irwin, W.H. Rippard, L.R. Vale, and B.A. Young, *IEEE Trans. on Appl. Superconductivity* 13 (2003): 661—663; "Magneto-Optic Effects in Spin-Injection Devices" with T. Williams, **Carol E. Tanner**, associate professor of physics, S. Potashnik, J. Moreland, and W.H. Rippard, in *Applied Physics Letters* 82 (2003): 4599—4601; and "Periodic Tunnel-Current Oscillations in Metal Droplets" with G.B. Arnold and T. Ekkens, in *Journal of Applied Physics* 94 (2003): 3660—3662.

W. Robert Scheidt, the Warren Professor of Chemistry and Biochemistry, published "Five- to Six-Coordination in (Nitrosyl)iron(II) Porphyrins: Effects of Binding the Sixth Ligand" with G.R.A. Wylie and C.E. Schultz, *Inorganic Chemistry* 42 (2003): 5722—5734.

Mark R. Schurr, associate professor of anthropology, published "The Late Prehistory of Northwestern Indiana: New Perspectives on an Old Model" in *Facing the Final Millennium: Studies in the Late Prehistory of Indiana, A.D. 700—1700*, B.G. Redmond and J.R. Jones III, eds. (Indianapolis: Indiana Dept. of Natural Resources, Div. of Historic Preservation and Archaeology, 2003).

David W. Severson, professor of biological sciences, published "Utility of Comparative Anchor-Tagged Sequences as Physical Anchors for Comparative Genome Analysis among the Culicidae," written with E.W. Chambers and D.D. Lovin, *American Journal of Tropical Medical Hygiene* 69, No. 1 (2003): 98—104; "Natural Skip Oviposition of the Mosquito *Aedes aegypti* Indicated by Codominant Genetic Markers," written

with Y.M. Colton and D.D. Chadee, *Medical and Veterinary Entomology* 17 (2003): 195–204; and “Dynamics of Molecular Markers Linked to the Resistance Loci in a Mosquito-Plasmodium System,” written with G. Yan, *Genetics* 164 (June): 511–519.

Slavi Sevov, professor of chemistry and biochemistry, published “[$\text{Ge}_9=\text{Ge}_9=\text{Ge}_9=\text{Ge}_9$] $^{8-}$: A Linear Tetramer of Nine-Atom Germanium Clusters, a Nanorod” with A. Ugrinov, *Inorganic Chemistry* 42 (2003): 5789–5791.

Thomas Gordon Smith, professor of architecture, published “Architecture moderne or traditionnelle?” in *Liturgie et Sacré* * (Versaille: Centre International de Études Liturgiques, 2003): 101–122.

Gregory L. Snider, associate professor of electrical engineering, published “Scanning Tunneling Microscopy and Spectroscopy Investigations of QCA Molecules” with M. Manimaran; **Marya Lieberman**, associate professor of chemistry and biochemistry; **Craig S. Lent**, the Freimann Professor of Electrical Engineering; V. Sarveswaren; **Zhaohui Li**, research associate in chemistry and biochemistry; and **Thomas P. Fehlner**, associate chairperson and the Grace-Rupley Professor of Chemistry, *Ultramicroscopy* 97 (2003): 55–63.

Carol E. Tanner, associate professor of physics, published “The $^{199}\text{Hg}^+$ Single Ion Optical Clock: Recent Progress” with U. Tanaka, S. Bize, R.E. Drullinger, S.A. Diddams, L. Hollberg, W.M. Itano, D.J. Wineland, and J.C. Bergquist, *Journal of Physics B: Atomic, Molecular and Optical Physics*

36 (2003): 545–551; “Optical Frequency Standards Based on the $^{199}\text{Hg}^+$ Ion” with U. Tanaka, J.C. Bergquist, S. Bize, S.A. Diddams, R.E. Drullinger, L. Hollberg, W.M. Itano, and D.J. Wineland, *IEEE Transactions on Instrumentation and Measurement* 52, No. 2 (2003): 245–249; “Testing the Stability of Fundamental Constants with the $^{199}\text{Hg}^+$ Single Ion Optical Clock” with S. Bize, S.A. Diddams, U. Tanaka, W.H. Oskay, R.E. Drullinger, T. Parker, T. Heavner, S.R. Jefferts, L. Hollberg, W.M. Itano, and J.C. Bergquist, *Physical Review Letters* 90, No. 15 (2003): 150802–1 through 4; “Fluorescence of a Highly Collimated Atomic Cesium Beam: Theory and Experiment” with V. Gerginov, *Optics Communications* 222 (May 6): 15–28; and Observation of the Nuclear Magnetic Octupole-Moment of ^{133}Cs Through High-Resolution Laser Spectroscopy, *Physical Review Letters* 91, No. 7 (2003): 072501–1 through 4.

Julia Adeney Thomas, associate professor of history, published “High Anxiety: World History as Japanese Self-Discovery” in *Writing World History: 1800–2000*, B. Stuckey and E. Fuchs, eds. (German Historical Institute London and Oxford University Press, 2003).

M. Katherine Tillman, professor in the Program of Liberal Studies, published “Mentality and Personality: Newman and Giussani on Catholic Education” in *Communio: International Catholic Review* XXX, No. 1 (spring, 2003): 110–129.

Olaf Wiest, associate professor of chemistry and biochemistry, published “Conformational and SAR Analysis of NAALADase

and PSMA Inhibitors” with A.J. Oliver; **Paul Helquist**, professor of chemistry and biochemistry; **Marvin J. Miller**, chairperson and the Clark Professor of Chemistry and Biochemistry; and **Martin Tenniswood**, the Coleman Professor of Life Sciences in the Dept. of Biological Sciences, *Biorganic and Medicinal Chemistry* 11 (2003): 4455–4461. He also published “Biasing Mixed-Valence Transition Metal Complexes in Search of Bistable Complexes for Molecular Computing” with S.B. Braun-Sand, *Journal of Physical Chemistry B* 107 (2003): 9624–9628.

Edward Vasta, professor emeritus of English, published his translation from Italian of Giuseppa Antonia Mallimaci’s autobiography *For She Distinguished Herself, First Among All* (Philadelphia: Xlibris, 2003).

Samir Younés, associate professor of architecture and director of Rome Studies, published an essay titled “A Definition of Architectural Theory: Its Scope, Discourse and Nature,” *American Arts Quarterly* 20, No. 3 (summer): 30–37.

In Memoriam

Rev. Paul E. Beichner, C.S.C., professor emeritus of English, died Sept. 21 in Holy Cross House, Notre Dame.

Bernard P. Norling, professor emeritus of history, died Sept. 17 in South Bend.

Administrators' Notes

Appointments

Mary Ellen McGillan, formerly assistant vice president for development at Santa Clara Univ., was appointed assistant vice president for development and director of national programs.

Jean Gorman, formerly vice president for development at the Scripps Foundation for Medicine and Science, was appointed senior director of planned giving and development research.

Molly Gordon was appointed director of educational technology services in the Office of Information Technologies.

Tom Monaghan, formerly director of the University Office of Web Administration, was appointed director of planning and programs in the Office of Information Technology.

Staff named to endowed directorships are:

John A. Haynes, the Judd and Mary Lou Leighton Director for the Performing Arts

Patrick Holmes, the Reese Carol LaBar Director of the Office of Academic Services for Student-Athletes

Activities

Alan S. Bigger, director of Building Services, presented "Ethics and Administrative Discretion" with L.H. Smith at the Midwest Association of Higher Education Facilities Officers conference, St. Louis, Sept. 29.

Publications

Alan S. Bigger, director of Building Services, published "Budget Woes Keep Us on Our Toes" with L. Bigger, *Executive Housekeeping Today* 24, No. 9 (Sept.): 6-8+; and "An Electrifying Experience: What to Do When the Power Goes Out," *ibid.*, No. 9 (Oct): 6-7+.

Sara J. Exum, Renovare training manager, OIT, published "Tips on Communicating Effectively With Faculty" in *Developing Faculty to Use Technology: Programs and Strategies to Enhance Teaching*, D.G. Brown, ed. (Anker Publishing, 2003).

Performing Arts and the School of Architecture), Jack Pratt (Law), David Smith (at-large, but returning for Social Sciences), and Theresa Krier (at-large, term expires '05, but she's leaving the University). We've received word that new members will include Charles Rosenberg (Fine and Performing Arts and the School of Architecture), and David Smith (returning for Social Sciences). Subsequent to the meeting we received word that Walter "Jack" Pratt has been re-elected to represent the Law School. We still need an election for one at-large member.

*Younger also reported that she will poll members about meeting dates for next year. Since breakfast meetings seem to accommodate the schedules of the most members, we will continue the 7:30 a.m. schedule.

UCL is charged with submitting an annual report to the Academic Council. Chair Jack Pratt distributed copies of his draft report for this year. He noted that he would welcome any revisions or additions.

The main agenda topic was the proposed communication with the provost in regard to the effect of a 5% cut in the collections budget. This was proposed by Roger Jacobs at the last meeting. Jacobs distributed a draft of the letter. There was considerable discussion of both the letter and the issue. Jacobs will incorporate some revisions. Bender proposed a resolution that Chair Jack Pratt send the letter on behalf of the committee to both Nathan Hatch and Jeffrey Kantor, with copies to the college deans, and that the letter be appended to the minutes of this meeting. The resolution was passed.

In discussing this issue, Jacobs asked if some institutions ask colleges to help with funding collections. Younger replied that this is a rare model. Vanderbilt has such a model. At Baylor, 30% of the collections budget is funded by the university and the remainder comes from individual academic departments and colleges.

Bender noted that research grants are intended to include support for library materials and that the University relies heavily on research grants. We should make sure the designated funds are made available to the library.

Documentation

University Committee on Libraries

April 24, 2003

The meeting was called to order at 7:30 a.m. at Cafe DeGrasta, Grace Hall, by Chairman Walter Pratt. Also in attendance were John Adams, Harvey Bender, Wesley Calvert, Stephen Dumont, Roger Jacobs, Mark Pilkinton, Marsha Stevenson, Stephen Silliman, David Smith, John Weber, Jennifer Younger, observer Gay Dannelly and secretary Melodie Eiteljorge.

The minutes of the meeting of March 28 were approved as written.

Director's report:

* Younger recently sent a report to the provost on the library materials budget. She will send an executive summary of that report to the University Committee on Libraries (UCL). The report summarized the current state of the library materials budget, the actions taken and projected for managing the loss of purchasing power, outlined next steps and requested consideration be given for supplemental funds for library collections. From 1994/95-2000/01, the library materials budget increases were sufficient both to cover price inflation and

provide a gradual expansion in the number of books and serials purchased, which was the purpose of the post-Colloquy funds. Beginning in 2001/02, however, budget growth slowed and then declined, while inflation in the price of serials and monographs continued unabated, thus requiring action to reduce our commitments for purchasing serials and books. Younger stated that we have two goals. In some subject areas, such as theology and Medieval studies, the goal is to build comprehensive collections. In others, it is to meet information needs of faculty and students through a mix of methods, including collections, interlibrary loan, and commercial document delivery. Silliman noted that in Engineering we are not meeting information needs. We are in the third round of serial cuts and are acquiring no new books.

* Younger reported that the Advisory Council for University Libraries would meet on Friday, April 25. The afternoon agenda included a tour of the newly renovated basement. UCL members were invited to attend.

* This was the last meeting of 2002/03. Younger thanked departing members Stephen Dumont (as Gail Bederman's representative), Mark Pilkinton (Fine and

Other comments will be incorporated into the letter, which will be appended to the minutes.

There being no further business, the meeting adjourned at 8:40 a.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

Appendix

To: Nathan Hatch, Provost
Jeffrey Kantor, Vice President,
Graduate School
c: College Deans
From: University Committee on Libraries
Jack Pratt, Professor of Law, Chair
Re: Impact of budgetary reductions on
library materials
Date: May 1, 2003

The University of Notre Dame Library is facing a most serious crisis!

We are dismayed and disheartened to note that the impact of the current budget reductions will seriously impede our two primary strategic goals of achieving excellence in meeting information needs and of building distinguished collections on our campus. The proposed budget reductions, exacerbated further by the effects of continuing inflation for the price of library materials, find the library compelled to further cut critical journal subscriptions and reduce monograph acquisitions. The significant gains experienced during the years of post-Colloquy funding are quickly being eroded by relentless inflation in the price of serials and books and the multi-year freeze on "supplies and expense" spending, which together have overtaken the increase in endowment income for the last, current and next fiscal years (01/02, 02/03 and 03/04). Our materials budget in 02/03 appreciated in actual dollars by less than 1% (\$35,000) while inflation of 6.9% resulted in an effective budget cut of \$445,950. It is becoming increasingly difficult to see how it might be possible to achieve a balanced library materials budget this year even taking into account the massive cancellations and reductions already completed. Moreover, when the budget **reduction** of 5.1% (\$332,082)

demanded for next year is coupled with expected library materials **inflation** of 6.9% (\$423,000), even without taking into account any impact due to changes in currency exchange rates, the library's purchasing power for 2003-04 will further decline by three-quarters of a million dollars, a true decimation.

Over the past year, every college and department of our University initiated conscientious efforts to achieve significant budget reductions through cancellations of serial subscriptions and severe limitation of monograph acquisitions. The strategies employed focused upon maximized utilization of resources, elimination, where possible, of journals in multiple formats and hard-cover acquisition of books, and much greater reliance upon document delivery for access to less-frequently used materials. These actions have been adopted while attempting to fully maintain two critical strategic challenges: **achieving excellence in meeting information needs and building distinguished collections**. These challenges lay the foundation for ensuring an even closer alignment between college/department goals and library goals, which we support. It is our best judgement that **further** cancellations of serial subscriptions and continued limitation of monograph acquisitions will seriously erode and even compromise the collegiate/departmental goals of our institution!

Research competitiveness is dependent upon many factors, but staying abreast of the latest developments in one's field is critical. Scholarly publications in peer-reviewed journals are the primary sources of information for scientists and engineers. Ready access to both the high impact and discipline specialized journals is essential for any faculty member who hopes to maintain a competitive research program. The current budget proposal if implemented will eliminate dozens of journals considered essential by our faculty. Loss of these vital information sources handicaps our faculty in their efforts to acquire funds to build or maintain their research programs. It is a most inopportune time as these dire economic times only intensify competition for the limited funding available. Clearly the proposed budget reductions next year will result in permanent weaknesses in building collections as well as a lessened

ability to obtain requested books and articles on a timely basis, thereby jeopardizing core elements of the academic enterprise. We fear that our two critical strategic challenges, **achieving excellence in meeting information needs and building distinguished collections, simply will no longer be achievable!**

There is no question that the University suffers from economic pressures. At the same time, the library, a unit that directly supports the curriculum and research of the entire academic enterprise, should be provided with a strong financial safety net. The 5% reduction in the library's "supplies and expense" budget, incorporating as it does library materials, seems disproportionate when compared to the 3% reductions required of other academic units and, when aggregated with the information industry inflationary pressures, Draconian. We therefore urge reconsideration of our recommendation of last year: that, as do other top 20 private universities, the University address the need to offset inflation in library materials.

Thank you for reviewing and considering our concerns.

University Committee on Libraries:
John H. Adams
Harvey A. Bender
Wesley Calvert, graduate student representative
Stephen D. Dumont
Felipe J. Hernandez, undergraduate student
Roger F. Jacobs, ex officio
Theresa M. Krier Mark Pilkinton
Jack Pratt, Chairman
Karen E. Richman
David A. Smith
Marsha Stevenson
Stephen Stillman
John A. Weber
Gordon D. Wishon, ex officio
Jennifer A. Younger, ex officio

FACULTY BOARD ON ATHLETICS

Meeting of May 13, 2003

5th Floor Conference Room, Main Building

Members Present: Prof. Fernand Dutile (chair); Prof. Matthew Barrett; Prof. Harvey Bender; Prof. William Berry; Ms. Emily Bienko; Prof. John Borkowski; Prof. Stephen Fallon; Mr. Patrick Holmes; Prof. Donald Pope-Davis; and Dr. Kevin White.

Members Absent: Dr. Matthew Cullinan; Prof. Umesh Garg; (Rev.) Mark Poorman, C.S.C.; Prof. Katherine Spiess; and Prof. John Weber.

Observers Present: Ms. Missy Conboy and Mr. Bernard Muir, both of the Department of Athletics; and Ms. Mary Hendriksen, recorder.

1. Call to order and prayer: The chair called the meeting to order at 5:10 p.m. Prof. Pope-Davis led the group in prayer.

2. Minutes of previous meeting: Prof. Berry moved that the minutes of April 10, 2003, be approved. Prof. Barrett seconded that motion, which passed unanimously.

3. Announcements: The chair announced that he had approved, on the Board's behalf, the hockey schedule for 2003-04. The chair announced for the record that the Board had approved, through its e-mail vote, an excused absence for the rowing team's post-noon classes on April 22, 2003, in connection with its race at Michigan State University.

The chair announced that he had approved the following captains for the academic year 2003-04: Kristen Kinder and Jessica Kinder (volleyball); Laurie Musgrave and Lisa Garcia (women's swimming and diving); Greg Martin, Devon Prescod, Chad Riley, Justin Detter and Kevin Richards (men's soccer); and Caylan Leslie and Alicia Salas (women's tennis). The chair also approved a slate of candidates for women's soccer. The team will select its ultimate captains from this group. Finally, the chair noted that through its e-mail vote the Board had declined the proposal of the Department of Athletics to add another student-athlete to its list of Byron V. Kanaley Award winners.

4. Petitions for a fifth year of eligibility: Mr. Holmes, as director of the Office of Academic Services for Student-Athletes, presented six applications for a fifth year of eligibility. Three petitions represented early applications because the student-athletes had not begun their senior years. The Board approved the petitions of the following five student-athletes: Cedric Hilliard (football); Vanessa Pruzinsky (women's soccer); Peter Ogilvie (baseball) [note: Mr. Ogilvie subsequently withdrew his petition for a fifth year of eligibility]; Kerry Walton (women's fencing); and Edward Crosland (men's lacrosse). The Board deferred the sixth petition as premature. [Note: For reasons of privacy, the Board's public minutes do not include any discussion relating to petitioners for a fifth year of eligibility.]

Prof. Bender, in this context, thought it appropriate to elaborate on some of the reflections of the subcommittee on academic integrity, which he chairs and which currently has on its agenda the fifth-year application process and experience. The subcommittee's primary goal: a more meaningful academic experience. Even though some of these fifth-year student-athletes will remain at Notre Dame for only one semester, our job remains to provide them with the best opportunity for a rigorous academic year. Academic advising is the linchpin of this goal. Such advising becomes even more critical for early petitioners for a fifth year. At the Board's first meeting this fall, the subcommittee hopes to present to the Board a new, on-line application form.

Prof. Barrett urged that approval of these "early" petitions be conditioned on the student-athlete remaining in good standing with the Office of Student Affairs and, as well, in good academic standing. The chair, noting that these conditions might be implied in the approval, nonetheless agreed, as did the rest of the Board, that a specific conditioning seemed appropriate.

5. Proposal of men's golf for tournament play on Easter Sunday 2004: Mr. Muir presented to the Board the request of the men's golf team to participate in a tournament that would require play on the morning of Easter Sunday 2004. University guidelines, while allowing teams to compete at away sites during the Triduum, prohibit play prior to noon on Easter Sunday. Mr. Muir

stressed that the tournament, to be played at Ohio State University, offers Notre Dame participation in an important and prestigious event. Prof. Barrett asked if Notre Dame could, at this point, think it realistic for men's golf to secure an "at large" NCAA tournament invitation. Mr. Muir responded that Coach Jasinski, based on strength of schedule, feels closer to that goal, although it is clearly not "a lock." Prof. Barrett: Is this a "must-have" event or a "nice-to-be-able-to-go" event? Mr. Muir responded that the tournament offers a top-tier opportunity for competition; the department requests this waiver only because that tournament is important. Ms. Conboy added that this request responds to the department's policy that coaches seek to play a tough schedule. Dr. White stressed the extent to which men's golf has elevated its program. Prof. Borkowski applauded Coach Jasinski for his plan to make religious services available that weekend not only to his team, but also to Catholics on other teams. The motion to approve participation by the men's golf team in a tournament encompassing Easter Sunday morning, 2004, passed unanimously.

6. Student-athlete use of University logos or equipment in non-University events:

Mr. Muir informed the Board that the Department of Athletics had drafted a provision regulating student-athlete use of University logos or equipment in outside appearances. The provision, which will appear in the *Student-Athlete Handbook*, requires student-athletes to secure permission of the department before such logos or equipment may be used in events not occurring under Notre Dame's aegis. The obvious goal: preventing the appearance of Notre Dame's name or image in association with inappropriate entities. The provision responds to a concern raised by a member of the Board some time ago that Notre Dame football players might appear, for example, in the pages of *Playboy Magazine* as part of an All-American team. Mr. Muir added that university legal counsel has approved the language. Prof. Pope-Davis asked if the provision would bar a student-athlete from appearing in such a picture. No, Mr. Muir responded, but the student-athlete could not use a Notre Dame helmet, uniform, logo or the like. Prof. Pope-Davis: Could Notre Dame's name be used? Ms.

Conboy: Only to identify the student-athlete as being from Notre Dame. Mr. Muir added that players have in the past declined such opportunities. Prof. Bender asked whether a comparable policy applies to coaches. Dr. White responded that coaches' contracts include sufficiently protective language to preclude any such questionable activities. For example, our contracts contain language designed to protect "the Catholic character of the University." In fact, the Office of General Counsel has recently received praise for our efforts in this regard. Ms. Conboy added that coaches could be disciplined for anything that embarrasses the University. Dr. White: Despite all this, we should take a new look at those contracts with this issue specifically in mind.

7. Summer-business resolution: The chair reminded the Board that it has traditionally authorized its chair to act on its behalf during the summer. Under such an authorization, the chair reports to the Board, at its first meeting in the fall, any action taken under the authorization. The chair added that the facility for communication presented by e-mail makes the use of such authorization unlikely; indeed, during the last two summers, the authorization had not been invoked once. Still, the chair felt, such a resolution seemed desirable. Prof. Bender moved that authorization, with Prof. Barrett seconding the motion. The Board unanimously approved the motion.

8. Reports of *ex-officio* members: At the chair's request, Dr. White briefed the Board on the rumored defections to the Atlantic Coast Conference of certain current members of the Big-East Conference and the implications for Notre Dame of these defections.

9. Reports of subcommittee chairs: On behalf of the subcommittee on student welfare, which he chairs, Prof. Barrett reported on the meeting he and fellow subcommittee member Prof. Fallon had on April 23 with Mr. Kevin Rooney, assistant dean, First Year of Studies. That meeting addressed two separate topics – Orientation weekend and academic advising.

On the topic of orientation, Mr. Rooney summarized the three purposes of the weekend as symbolic, informational and social. Although the feedback received

by the subcommittee strongly indicated that student-athletes appreciate the social aspects the most, the symbolic and informational parts convey important messages during the weekend. The symbolic aspects include relatively brief comments from the University president, the provost, the vice-president for Student Affairs, the dean of First Year, and the student-government president; a very brief overview of the Honor Code; and an opening Mass, followed by an informal lunch. During the weekend, students also attend informational sessions with their academic advisors and rectors. Mr. Rooney reported that First Year of Studies tries to streamline the informational sessions and continues to work with University departments and with students, both in student government and on the First Year Advisory Council, to fine-tune the weekend. Mr. Rooney stated that the First Year of Studies strives to keep the informational sessions as few and as short as possible; he noted that if First Year of Studies added to the program everyone wanting to address the incoming students, orientation would last much longer than a weekend.

Turning to academic advising, Mr. Rooney had suggested that the need for academic advisors in First Year of Studies to say "no" to many requests for schedule changes may explain why both student-athletes and other students sometimes evaluate their experiences with their First Year of Studies advisor less positively than their experiences with their college or departmental advisor and, in the case of student-athletes, their advisor in Academic Services for Student-Athletes. He noted, however, that in the most recent (1996) University-wide survey on academic advising, the First Year actually ranked second behind Architecture in this regard. He stated that an academic advisor in First Year of Studies typically works with 175 different students. Beginning in the current academic year, Mr. Rooney advises student-athletes almost exclusively (in addition to his other responsibilities in First Year, he works with about 110 students each year; this year student-athletes comprise about 105 of that number). First Year of Studies has tried to implement a "team approach" with Academic Services for Student-Athletes. In future years, the Board should try to observe what effect, if

any, these initiatives have on the student-athlete survey results.

10. New Business: Prof. Bender, noting that Mr. Anthony Solomon, an assistant coach in the basketball program, would soon leave Notre Dame to assume the head coaching position at St. Bonaventure University, moved a resolution thanking Mr. Solomon for his contributions to Notre Dame and wishing him every success in his new challenge. The motion passed unanimously.

11. Farewell and thanks: At this, the last Board meeting of the academic year, the chair, on behalf of the Board, said farewell and gave thanks to those members ending their service on the Board. Prof. William Berry retires from the University this summer. Prof. Katherine Spiess also leaves the Board, having served one year as an alternate to Prof. Lana Mosley. (Prof. Mosley will return to the Board this fall following her academic leave). Finally, Ms. Emily Bienko, the student member of the Board, will graduate from the Law School this month and will soon join a prestigious Atlanta law firm.

The chair thanked the Board for its productive year, its hard work, and its solid commitment to the academic and athletics missions of the University. Whatever the Board's rate of "getting it right," the chair emphasized that to his knowledge no other university invests so much talent and effort toward that goal. He wished all members of the Board a good and refreshing summer.

12. Adjournment: The chair adjourned the meeting at 7:00 p.m.

University Committee on Libraries

September 11, 2003

The meeting was called to order at 7:30 a.m. Café DeGrasta by last year's chair, Jack Pratt. Also in attendance were Gail Bederman, Harvey Bender, Wesley Calvert, Ryan Finlen, Roger Jacobs, Charles Rosenberg, David Smith, Marsha Stevenson, Stephen Silliman, John Weber, Jennifer Younger, observer Gay Dannelly and secretary Melodie Eiteljorge.

The minutes of the meeting of April 24, 2003 were approved as written.

Pratt welcomed new members Ryan Finlen and Charles Rosenberg, and Gail Bederman who has returned from leave. We still have two at-large vacancies for which Joy Vann-Hamilton will conduct elections.

Annual Report, 2002-2003: Pratt distributed the draft report prior to the meeting. There was a discussion with minor additions and modifications suggested. With these changes the document was approved for submission to the Academic Council.

Election of Chair, 2003-2004: Bender nominated David Smith and Bederman seconded the nomination. Smith was elected by acclamation.

Bender noted that departing chair Jack Pratt deserves thanks for his excellent work over what was a difficult year. Younger added her appreciation for his thoughtful direction of committee activities.

Report on Department Chairs' Retreat, August 19-20, 2003: Younger reported that John Affleck-Graves spoke on the continuing high inflation in the price of serials and the need for additional funding for the library materials budget. Some points:

- * The issue of funding inflation in unit serial/monograph costs is recognized as a University problem, not a library problem.
- * The internal allocation of the library budget across budget categories is well within the range of other top 20 libraries.
- * The provost recognizes it may not be possible in all disciplines to cut sufficient serials to keep serial commitments within the bound of the 2003-04 budget and will provide some additional funding for critical-need serial titles.
- * The projection now is for a flat University budget in 2004-05. However, the provost is committed to the provision of "add-on funding" for the library materials budget in 2004-05.

Discussion followed on the report and the inflation crisis. Dannelly stated that it is not yet clear how inflation will impact us next year. Major electronic publishers are renegotiating contracts and we do not know how strong the dollar will be. Smith noted: While it is a crisis for scholarly publishing, it is also a crisis for Notre Dame. Jacobs

added: Our peer institutions face the same crisis but have found better ways to deal with it than we have.

Schedule for 2003-04: Early morning meetings are the time most available for committee members. The next meeting was scheduled for Thursday, October 9, 7:30 a.m. in Café Degra. The schedule is the second Thursday of each month at 7:30 a.m.:

October 9

November 13

December 11

January 15 (3rd Thursday)

February 12

March 11

April 8

May 13

Themes for 2003-2004: Younger mentioned three themes: library strategic planning; the library materials budget, including journal packages and pricing and the tension between subject selection and campus use; and scholarly communication. Several other topics were mentioned, including overall goals for collections and long term space issues.

Bender asked about celebrations in connection with the completion of renovation in the lower level of the Hesburgh Library. Younger noted two. There is an open house, tours and a brief program with remarks from the Provost and a blessing from Father Hesburgh on September 18. All campus faculty and staff have been invited. On the afternoon of November 7, as part of the Library Advisory Council's fall meeting, there will be a formal dedication. In addition, the Council's morning session will include a presentation by Jim Neal, Vice President and University Librarian at Columbia University Libraries. He will address challenges and opportunities from the North American research library perspective. Committee members are especially invited to attend all of these events.

Stevenson distributed copies of the floor plan for the renovated lower level, which opened in August. The Provost Office assisted in purchasing Gemtrac compact shelving, which is the best available, and they are also providing some money for

moving materials. There are 17 miles of shelving in the public area. Dannelly described the Special Collections space, which also includes moveable shelving in space in the lower level although there is no accessibility to that space by library users. This major improvement doubled the shelving capacity and increased security for special materials. In the move, the Special Collections staff have rearranged the collections, shelving by size for greater shelving efficiency.

Further announcements from Younger:

The Libraries continue to make new services available, including most recently on-line renewal, self check-out, and email notifications for recalls and renewals. Screen design changes improved the library catalog (Aleph) and the library web site as well.

Younger recently met with Don Pope-Davis in the Graduate School to discuss the inclusion of library associate directors in meetings with directors of graduate programs. The budget cuts for fiscal year 03/04 were made in all of the library budget categories, salaries and non salary, which includes the library materials budget. The cuts resulted in the cancellation of almost \$1 million worth of commitments for serials and books and the loss of 12.75 FTE positions, which has led to reduced hours at some service points, a hold on upgrades to the library catalog and a reduction in administrative services to the library. The Association of Research Libraries will offer a presentation on "Scholarly Tribes and Tribulations" at their October 17 conference.

There being no further business, the meeting adjourned at 8:45 a.m.

Respectfully submitted,

Melodie Eiteljorge
Secretary

Errors and Omissions

In the Centers/Institutes Research Report in issue 3 of *Notre Dame Report*, page 59, the entry for the Walther Cancer Institute should not have also read "Chair 1."

Research

Awards and Proposal Summary

09/01/2003 to 09/30/2003

Awards Received

Category	No.	Amount
Research	40	\$6,324,117
Instructional Programs	2	\$838,911
Total:	42	\$7,163,028

Proposals Submitted

Category	No.	Amount
Research	80	\$37,213,594
Total:	80	\$37,213,594

September 2003 Cumulative summary

Awards Received

	07.01.2001 - 09.30.2001		07.01.2002 - 09.30.2002		07.01.2003 - 09.30.2003	
Category	No.	Amount	No.	Amount	No.	Amount
Research	143	\$14,834,340	93	\$20,315,442	122	\$21,711,286
Facilities and Equipment						
Instructional Programs	7	\$1,137,302	2	\$268,133	4	\$914,991
Other Programs					1	\$62,500
Service Programs						
Total:	150	\$15,971,642	95	\$20,583,575	127	\$22,688,777

Proposals Submitted

	07.01.2001 - 09.30.2001		07.01.2002 - 09.30.2002		07.01.2003 - 09.30.2003	
Category	No.	Amount	No.	Amount	No.	Amount
Research	152	\$59,636,858	140	\$36,590,009	161	\$60,424,490
Facilities and Equipment						
Instructional Programs	2	\$108,295	4	\$67,315	2	\$88,533
Other Programs						
Service Programs						
Total:	154	\$59,745,153	144	\$36,657,324	163	\$60,513,023

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

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at research@nd.edu or 631-4670 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

Awards received during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Awards for Research</u>				
Department or Office: Aerospace and Mechanical Engineering				
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$83,428	36
Department or Office: Biological Sciences				
Diffley, Peter	Beinecke Scholarship for Courtney Luckhardt	Private funding	\$7,500	61
Diffley, Peter	Fellowship for TOMASZ RZEZKIK	Private funding	\$21,228	84
Diffley, Peter	Graduate Research Fellowship for Kathryn Culligan	National Science Foundation	\$39,000	60
Diffley, Peter	Graduate Research Fellowship for TBA	National Science Foundation	\$38,000	60
Diffley, Peter	Beinecke Memorial Scholarship for Katherine Hennessey	Private funding	\$7,000	48
Diffley, Peter	Fellowship for Rebecca Davis	Private funding	\$21,228	84
Diffley, Peter	Fellowship for Thomas Butler	Private funding	\$21,228	84
Diffley, Peter	Javits Fellowship for Shannon (Bralick) Valenzuela	Department of Education	\$32,796	48
Diffley, Peter	Graduate Research Fellowship for Kathryn Docherty	National Science Foundation	\$38,000	60
Diffley, Peter	Graduate Research Fellowship for Justin Biddle	National Science Foundation	\$38,000	60
Diffley, Peter	Graduate Research Fellowship for Jason Keller	National Science Foundation	\$38,000	60
Diffley, Peter	Graduate Research Fellowship for Daniel McKaughan	National Science Foundation	\$38,000	60
Diffley, Peter	Fellowship for JONATHON COUSER	Private funding	\$21,228	84
Diffley, Peter	Fellowship for James Rissler	Private funding	\$21,228	84
Diffley, Peter	Fellowship for J. Shrader	Private funding	\$21,228	84
Diffley, Peter	Beinecke Memorial Scholarship for Reanna A. Ursin	Private funding	\$3,750	61

Awards received during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Hager, Kristin M. (Center or Institute)	Analysis of Membrane Trafficking Events in the Regulation of Organelle Biogenesis and Stability of Apicomplexan Parasites	Private funding	\$50,000	12
McDowell, Mary A. (Center or Institute)	IL-12 in Leishmania Infected Human Dendritic Cells	National Institutes of Health	\$108,000	24
Department or Office:	Center for Pastoral Liturgy			
Kroeker, Charlotte (Center or Institute)	Four Loves: Themes & Variations in Music	Private funding	\$2,000	12
Department or Office:	Chemistry and Biochemistry			
Castellino, Francis Gutierrez, Linda S. (Center or Institute)	Structure-Function Studies of Plasminogen and Plasmin	National Institutes of Health	\$461,991	24
Department or Office:	Civil Engineering and Geological Sciences			
Kareem, Ahsan	Study of Load Effects on Structures Induced by Gust-Fronts	National Science Foundation	\$50,457	36
Neal, Clive R. Jain, Jinesh C.	Aquisition of a High Resolution, Magnetic Sector Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Facility for the University of Notre Dame	National Science Foundation	\$358,000	12
Westerink, Joannes J	ADCIRC Hydrodynamic Circulation and Transport Code Development	Department of Army	\$50,000	47
Department or Office:	Computer Science & Engineering			
Chen, Danny Z Flynn, Patrick Stevenson, Robert L Bowyer, Kevin W.	Instrumentation for Multidimensional Imaging and Applications	National Science Foundation	\$239,000	48

Awards received during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Maurice, Patricia Madey, Gregory R.	ITR/AP(BES) Stochastic Synthesis: Foundation Simulating the Environmental Transformations of Natural Organic Matter	National Science Foundation	\$41,984	24
Department or Office:	Electrical Engineering			
Haenggi, Martin Laneman, J. N.	Sensors: Theory and Practice of Sensor Network Architectures	National Science Foundation	\$299,993	36
Hall, Douglas C	Advanced GaAs-Based Waveguide Integration for 1.3/1.55 Micron Wavelength Division Multiplexing	National Science Foundation	\$120,000	36
Seabaugh, Alan C.	AY2003-04 Departmental Gift	Corporate Funding	\$2,000	60
Seabaugh, Alan C.	SRC Graduate Fellowship for Dana Wheeler	Corporate Funding	\$49,435	60
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I. (Center or Institute)	Chicago Latino Congregation Study	Private Funding	\$50,000	12
Department or Office:	Mathematics			
Williams, Edward B. Taylor, Laurence R. Dwyer, William G.	Algebraic and Geometric Topology	National Science Foundation	\$59,600	36
Department or Office:	Physics			
Garnavich, Peter M.	Supernovae and the Universe	National Aeronautics and Space Administration	\$66,918	60
Lamm, Larry O.	Gas Cell Design and Testing	Private Funding	\$15,000	2
Wiescher, Michael C	Joint Institute for Nuclear Physics	National Science Foundation	\$2,000,000	60
Department or Office:	Political Science			
Collins, Kathleen A.	Islam, Identity, and Conflict in Central Asia and the Caucasus	Private Funding	\$40,000	12
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Undergraduate International Studies and Foreign Language Program	Department of Education	\$71,000	24

Awards received during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: Psychology				
Borkowski, John G. Maxwell, Scott E. LeClere, Felicia B. (Center or Institute)	Neglect in High-Risk Mothers	National Institutes of Health	\$1,629,585	60
Cummings, E. M. (Center or Institute)	The Role of Marital Conflict in Family-Wide Functioning	National Institutes of Health	\$30,093	12
Department or Office: Radiation Laboratory				
Kamat, Prashant V (Center or Institute)	Mechanism of Indo Dye Formation and Its Stability in Hair Proteins	Corporate Funding	\$38,219	6
<u>Awards for Instructional Programs</u>				
Department or Office: Educational Talent Search				
Vann-Hamilton, Joy J Coleman, Myrtie M Outlaw, Warren G (Center or Institute)	Talent Search	Department of Education	\$401,643	36
Department or Office: Upward Bound				
Coates, Alyssia J (Center or Institute)	Upward Bound	Department of Education	\$437,268	12

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
<u>Proposals for Research</u>				
Department or Office:	Aerospace and Mechanical Engineering			
Corke, Thomas C.	V-22 Wing Separation Control Using Plasma Actuators	Corporate Funding	\$50,036	12
Corona, Edmundo Mason, James J.	Mass-Production Methods for Bending of Laminated Steel	National Science Foundation	\$198,515	36
Morris, Scott C.	Evaluation of Fluid Dynamic Phenomena and Acoustic Signature of a Ducted Propulsion System	Department of Navy	\$20,000	3
Renaud, John E.	Homotopy-Managed Interior-Point Methodology for Reliability-Based Design Optimization	National Science Foundation	\$264,119	36
Roeder, Ryan K.	The Role of Biomaterial Stiffness in Functional Tissue Engineering Scaffolds	National Institutes of Health	\$240,475	12
Schmid, Steven R. Niebur, Glen L.	Development of the HSM Material for Orthopedic Applications	Corporate Funding	\$35,000	6
Department or Office:	Biological Sciences			
Cary, Lynne C.	Identification and Characterization of piggyBac Transposase Molecular Interactions	Private Funding	\$0	36
Suckow, Mark A. Pollard, Morris	Coagulation Deficient Rats in Prostate Cancer	I.U. School Medicine	\$388,180	60
Suckow, Mark A.	Effect of a Particulate Biomaterial on Tumor Growth	Corporate Funding	\$2,955	12
Department or Office:	Center for Civil and Human Rights			
Mendez, Juan E. Meintjes, Garth	Right to information, freedom of expression and electoral processes in Latin-America and the Caribbean	U.S. Department of State	\$494,047	18
Department or Office:	Chemical and Biomolecular Engineering			
Miller, Albert E.	Study of the Pitting Process in Aluminum and Aluminum Alloys	Department of Navy	\$590,861	36

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Palmer, Andre F.	Long Circulating Liposomes	National Institutes of Health	\$222,750	12
Palmer, Andre F.	Novel Techniques to Monitor Actin Polymerization	National Institutes of Health	\$222,750	12
Department or Office:	Chemistry and Biochemistry			
Baker, Brian M.	Research Fellowship	Private Funding	\$40,000	24
Barkai, Eli	Research Fellowship	Private Funding	\$40,000	24
Brown, Seth N.	Reserach Experiences for Undergraduates Site at the University of Notre Dame: Modern Chemical Synthesis	National Science Foundation	\$399,736	48
Clark, Patricia L.	Research Fellowship	Private Funding	\$40,000	24
Helquist, Paul Wiest, Olaf G.	Automated Design and Experimental Screening of Chiral Catalysts	National Science Foundation	\$576,562	36
Krchnak, Viktor Smith, Bradley D.	Inhibiting Flippase Activity and Inducing Cell Clearance	National Institutes of Health	\$322,750	12
Krchnak, Viktor	Bead-Deposited Compounds for Storage and Screening	National Institutes of Health	\$210,625	12
Lieberman, Marya Porod, Wolfgang	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	\$434,244	36

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Meisel, Dan LaVerne, Jay A. Chipman, Daniel M. Kuno, Masaru K. Guldi, Dirk M. Ferraudi, Guillermo J. Tripathi, Gorakh Nath R. Bentley, John J. Madden, Keith P. Hug, Gordon L. Helman, W. P. Carmichael, Ian C. Kamat, Prashant V.	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$17,119,868	36
Mobashery, Shahriar	Novel Approach for Inhibition of the MT1-Gelatinase Axis in Cancer Invasion	National Institutes of Health	\$221,345	12
Mobashery, Shahriar	Pencillin-Binding Proteins, Mechanism and Inhibition	National Institutes of Health	\$158,895	12
Mobashery, Shahriar	Ribosomal Function and Antibiotic Design	National Institutes of Health	\$153,284	12
Mobashery, Shahriar	Resistance to Beta-Lactam Antibodies	National Institutes of Health	\$288,833	12
Sevov, Slavi C.	Chemistry of Main-Group Deltahedral Clusters: Functionalization and Oligimerization	National Science Foundation	\$383,250	36
Wiest, Olaf G. Helquist, Paul	Structure of the Low Molecular Weight Tyrosine Phosphatases	Purdue University	\$95,285	12
Department or Office:	Civil Engineering and Geological Sciences			
Maurice, Patricia A.	Methodologies for Investigating Microbial-Mineral Interactions: A Clay Minerals Society Short Course	Department of Energy	\$6,300	12
Talley, Jeffrey W.	The Effects of Aging on the Availability and Bioavailability of TNT and Tetryl in Soils	U.S. Army Corps of Engineers	\$199,970	34

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office:	Classics, The			
Mazurek, Elizabeth F.	Autobiography and Genre in Ovid	Private Funding	\$40,000	9
Department or Office:	Computer Science & Engineering			
Kogge, Peter M.	Low Power High Performance Architecture for Space-Based Systems	Private Funding	\$148,234	36
Department or Office:	East Asian Languages and Literatures			
Brownstein, Michael C.	Chikamatsu's Contemporary-Life Plays	Private Funding	\$40,000	12
Department or Office:	Economics			
Marsh, Lawrence C.	Algorithms for Missing Categorical Reponse Models	National Institutes of Health	\$148,500	12
Department or Office:	Electrical Engineering			
Orlov, Alexei Snider, Gregory L.	Direct and field-assisted tunneling for Single-Electron Non-Volatile Memory	Corporate Funding	\$40,000	12
Seabaugh, Alan C. Wernersson, Lars-Erik M.	Tunneling and Embedded-Metal Materials	National Science Foundation	\$521,629	36
Seabaugh, Alan C. Scheutz, Matthias J.	Integrated Ndeeb for Micromotion, Heat Removal, and Microassembly	Corporate Funding	\$40,000	12
Snider, Gregory L. Bernstein, Gary H. Orlov, Alexei	Bridging Nanoelectronics to CMOS	Corporate Funding	\$40,000	12
Tabuada, Paulo	Finite Models of Nonlinear Systems for Control Software Design	National Science Foundation	\$243,719	36
Department or Office:	English			
Brogan, Jacqueline V.	Hemingway's Ethical Entanglements	Private Funding	\$50,000	9
Department or Office:	Film, Television, and Theatre			
Chalmers, Jessica	Avanti!	Private Funding	\$30,000	12

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Department or Office: History				
Hamburg, Gary M.	Mysticism, Heresy and Politics in Late Imperial Russia	Private Funding	\$50,000	9
Lyandres, Semion	In Search of Legitimacy: The Origins of the Russian Provisional Government and the Politics of the 1917 Revolution	Private Funding	\$40,000	12
Lyandres, Semion	In Search of Legitimacy: The Origins of the Russian Provisional Government and the Politics of the 1917 Revolution	University of Oxford	\$15,810	9
Murray, Dian H.	China, The Church, and the Middle Kingdom Complex	Private Funding	\$50,000	9
Murray, Dian H.	China, the Church, and the Middle Kingdom Complex	Private Funding	\$36,000	9
Department or Office: Institute for Latino Studies				
Hernandez, Edwin I.	The Latino Church Social Service Capacity Study	Private Funding	\$485,000	12
Department or Office: Mathematics				
Buechler, Steven A. Knight, Julia F. Starchenko, Sergei Cholak, Peter A.	EMSW21-RTG: Research Training in Logic at Notre Dame	National Science Foundation	\$1,911,040	60
Connolly, Francis X. Gekhtman, Michael Nicolaescu, Liviu Diller, Jeffrey A.	Notre Dame Enriched Mathematics Sequence	National Science Foundation	\$1,399,740	60
Connolly, Francis X. Gekhtman, Michael	NDREU: Notre Dame Research for Undergraduates	National Science Foundation	\$247,567	36
Han, Qing	Nonlinear Partial Differential Equations	National Science Foundation	\$124,391	36
Himonas, Alex A. Misiolek, Gerard K.	Partial Differential Equations	National Science Foundation	\$224,003	36

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Ledrappier, Francois M.	Ergodic Theory of Dynamical Systems	National Science Foundation	\$340,614	60
Liu, Xiaobo	Gromov-Witten Invariants and Calibrations	National Science Foundation	\$232,835	60
Shaw, Mei-Chi	Partial Differential Equations in Several Complex Variables and Complex Geometry	National Science Foundation	\$249,618	60
Starchenko, Sergei	Model Theory and O-Minimal Structures	National Science Foundation	\$471,909	60
Department or Office:	Physics			
Barabasi, Albert-Laszlo	Organizational Layers and Dynamics in Cellular Networks	Northwestern University	\$110,980	12
Berry, Henry G.	Measurements of Transition Rates in Neutral Cesium	National Science Foundation	\$242,682	36
Bigi, Ikaros I.	Subtle Tests of the Standard Model & Probes for New Physics	National Science Foundation	\$473,014	48
Blackstead, Howard A. Seabaugh, Alan C. McGinn, Paul J.	Hybrid Semiconductor-Superconducting Device Technology	Corporate Funding	\$40,000	12
Collon, Philippe A.	Development of an ECR Ion Source and AMS Detection Techniques for Astrophysics	National Science Foundation	\$180,027	12
Hildreth, Michael D. Wayne, Mitchell R. Ruchti, Randal C.	Fast Response Tile Scintillation Development for Calorimetry and Tracking in NLC Detectors-University Consortium for a Linear Collider	Cornell University	\$181,170	36
Hildreth, Michael D.	A Demonstration the Electronic and Mechanical Stability of a BPM-Based Energy Spectrometer for an e+e- Linear Collider-University Consortium	Cornell University	\$357,300	36
Kolata, James J.	Nuclear Reactions Studied With Short-Lived Nuclear Beams	University of Michigan	\$196,491	36

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Kolda, Christopher F.	Probing the Physics of the Hierarchy Problem	National Science Foundation	\$242,000	36
LoSecco, John M. Tanner, Carol E.	Research in Practical Aspects of Optical Quantum Computing	National Science Foundation	\$471,891	36
Ruchti, Randal C. Goussiou, Anna Hildreth, Michael D. Wayne, Mitchell R. Cason, Neal M.	Research in Collider Physics	National Science Foundation	\$2,038,836	36
Wayne, Mitchell R.	Scintillator Based Muon System R&D University Consortium for a Linear Collider	Cornell University	\$181,170	36
Department or Office:	Political Science			
Botting, Eileen H.	Wollstonecraft in America: Transatlantic Dialogues on the Rights on Women	Private Funding	\$30,000	9
Hagopian, Frances	Reorganizing Interests in Latin America: Economic Liberalization and Political Representation	Private Funding	\$36,000	9
Lieber, Keir A.	U. S. Nuclear Weapons Policy: Departure from Deterrence?	Private Funding	\$30,000	9
Lindley, Daniel A.	Is War Rational?	Private Funding	\$45,000	12
Department or Office:	Psychology			
Boker, Steven M. Scheutz, Matthias J.	Affect and Interpersonal Coordination in Conversation	National Institutes of Health	\$314,337	12
Boker, Steven M. Scheutz, Matthias J. Bowyer, Kevin W. Wenger, Michael J.	Center for Multi-Modal Communication	University of Chicago	\$0	60
Borkowski, John G. LeClere, Felicia B. Maxwell, Scott E.	Enhancing Head Start Readiness for High-Risk Children	National Institutes of Health	\$716,202	12

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Investigator(s)	Title	Sponsor	Dollars	Months
Kim, Irene J.	Youths' Emotion Regulation in Korean Immigrant Families	National Institutes of Health	\$74,250	12
Department or Office:	Radiation Laboratory			
Bartels, David M.	Neutron and Beta/Gamma Radiolysis of Supercritical Water	Argonne National Laboratory	\$500,000	25
Department or Office:	Romance Languages and Literatures			
Jerez-Farran, Carlos	Luis Cernuda, Federico Garcia Lorca, and the Difference Desire Makes	Private Funding	\$36,000	9
Jerez-Farran, Carlos	Luis Cernuda, Federico Garcia Lorca, and the Difference Desire Makes	Private Funding	\$40,000	9
Olivera-Williams, Maria R.	The Art of Creating the Feminine	Private Funding	\$35,000	8

Awards and Proposal Summary

Centers and Institutes Report

09/01/2003 to 09/30/2003

Awards Received

Department or Office	No.	Amount
Center for Children and Families	2	\$1,659,678
Center for Flow Physics and Control	1	\$83,428
Center for Transgene Research	1	\$461,991
Center for Tropical Disease Research & Training	2	\$158,000
Institute for Church Life	1	\$2,000
Institute for Latino Studies	1	\$50,000
Kellogg Institute for International Studies	1	\$71,000
Radiation Laboratory	1	\$38,219
TRIO Programs	2	\$838,911
Total:	12	\$3,363,227

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	1	\$242,000
Center for Children and Families	1	\$716,202
Center for Civil and Human Rights	1	\$494,047
Center for Flow Physics and Control	2	\$70,036
Institute for Latino Studies	1	\$485,000
Kroc Institute for International Peace Studies	1	\$30,000
Lobund Laboratory	2	\$391,135
Nano Science and Technology Center	5	\$1,075,873
Radiation Laboratory	1	\$17,119,868
Walther Cancer Research Center	2	\$418,035
Total:	17	\$21,042,196

Awards and Proposal Summary

Centers and Institutes Report

07/01/2003 to 09/30/2003

Awards Received

Department or Office	No.	Amount
Center for Astrophysics	2	\$107,566
Center for Children and Families	3	\$1,909,082
Center for Environmental Science and Technology	1	\$10,000
Center for Flow Physics and Control	5	\$279,156
Center for Social Concerns	1	\$63,500
Center for Transgene Research	2	\$977,376
Center for Tropical Disease Research & Training	5	\$1,464,285
Institute for Church Life	1	\$2,000
Institute for Latino Studies	4	\$125,282
Jacques Maritain Center	1	\$30,000
Kellogg Institute for International Studies	3	\$246,997
Nano Science and Technology Center	11	\$958,000
Radiation Laboratory	1	\$38,219
Robinson Community Learning Center	1	\$496,750
TRIO Programs	2	\$838,911
Walther Cancer Research Center	1	\$194,955
Total:	44	\$7,742,079

Proposals Submitted

Department or Office	No.	Amount
Center for Astrophysics	2	\$741,770
Center for Children and Families	2	\$1,422,916
Center for Civil and Human Rights	1	\$494,047
Center for Flow Physics and Control	5	\$924,384
Center for Molecularly Engineered Materials	4	\$1,112,015
Center for Transgene Research	2	\$474,492
Center for Tropical Disease Research & Training	3	\$803,775
Freimann Life Science Center	1	\$149,349
Institute for Church Life	2	\$80,709
Institute for Latino Studies	3	\$709,752
Kroc Institute for International Peace Studies	2	\$272,770
Lobund Laboratory	2	\$391,135
Nano Science and Technology Center	8	\$2,825,773
Nuclear Structure Laboratory	1	\$17,050
Radiation Laboratory	1	\$17,119,868
Department or Office	No.	Amount
Walther Cancer Research Center	3	\$525,379
Total:	42	\$28,065,184

Awards received during the period Sep-01-2003 to Sep-30-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Award #
<u>Awards for Research</u>				
Department or Office:	Center for Children and Families			
Cummings, E. M. (Center or Institute)	The Role of Marital Conflict in Family-Wide Functioning	National Institutes of Health	\$30,093	006114-001
Borkowski, John G. Maxwell, Scott E. LeClere, Felicia B. (Center or Institute)	Neglect in High-Risk Mothers	National Institutes of Health	\$1,629,585	006113-001
Department or Office:	Center for Flow Physics and Control			
Thomas, Flint O. Corke, Thomas C. (Center or Institute)	Plasma Fairings for Landing Gear Noise Reduction	National Aeronautics and Space Administration	\$83,428	006111-001
Department or Office:	Center for Transgene Research			
Castellino, Francis Gutierrez, Linda S. (Center or Institute)	Structure-Function Studies of Plasminogen and Plasmin	National Institutes of Health	\$461,991	005272-001
Department or Office:	Center for Tropical Disease Research & Training			
Hager, Kristin M. (Center or Institute)	Analysis of Membrane Trafficking Events in the Regulation of Organelle Biogenesis and Stability of Apicomplexan Parasites	Private Funding	\$50,000	005825-001
McDowell, Mary A. (Center or Institute)	IL-12 in Leishmania Infected Human Dendritic Cells	National Institutes of Health	\$108,000	005808-001
Department or Office:	Institute for Church Life			
Kroeker, Charlotte (Center or Institute)	Four Loves: Themes & Variations in Music	Private Funding	\$2,000	006116-001

Awards received during the period Sep-01-2003 to Sep-30-2003**Centers and Institutes Report**

Investigator(s)	Title	Sponsor	Dollars	Award #
Department or Office: Institute for Latino Studies				
Hernandez, Edwin I. (Center or Institute)	Chicago Latino Congregation Study	Private Funding	\$50,000	006119-001
Department or Office: Kellogg Institute for International Studies				
Hagopian, Frances Schierling, Sharon K. (Center or Institute)	Undergraduate International Studies and Foreign Language Program	Department of Education	\$71,000	006104-001
Department or Office: Radiation Laboratory				
Kamat, Prashant V (Center or Institute)	Mechanism of Indo Dye Formation and Its Stability in Hair Proteins	Corporate Funding	\$38,219	005552-001

Awards for Instructional Programs

Department or Office: TRIO Programs				
Coates, Alyssia J (Center or Institute)	Upward Bound	Department of Education	\$437,268	005193-001
Vann-Hamilton, Joy J Coleman, Myrtie M Outlaw, Warren G (Center or Institute)	Talent Search	Department of Education	\$401,643	005879-001

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
<u>Proposals for Research</u>				
Department or Office:	Center for Astrophysics			
Kolda, Christopher F.	Probing the Physics of the Hierarchy Problem	National Science Foundation	\$242,000	04030134
Department or Office:	Center for Children and Families			
Borkowski, John G.	Enhancing Head Start	National Institutes of Health	\$716,202	04030140
LeClere, Felicia B.	Readiness for High-Risk Children			
Maxwell, Scott E.				
Department or Office:	Center for Civil and Human Rights			
Mendez, Juan E.	Right to information, freedom of expression and electoral processes in Latin-America and the Caribbean	U.S. Department of State	\$494,047	04030111
Meintjes, Garth				
Department or Office:	Center for Flow Physics and Control			
Corke, Thomas C.	V-22 Wing Separation Control Using Plasma Actuators	Corporate Funding	\$50,036	04030123
Morris, Scott C.	Evaluation of Fluid Dynamic Phenomena and Acoustic Signature of a Ducted Propulsion System	Department of Navy	\$20,000	04030093
Department or Office:	Institute for Latino Studies			
Hernandez, Edwin I.	The Latino Church Social Service Capacity Study	Private Funding	\$485,000	04030099

Proposals submitted during the period Sep-01-2003 to Sep-30-2003**Centers and Institutes Report**

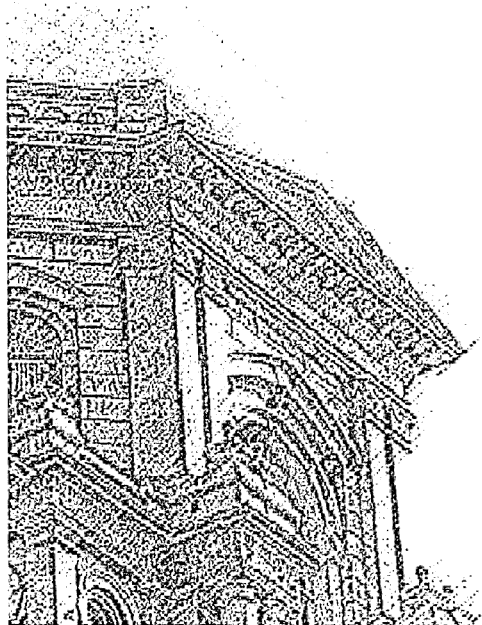
Investigator(s)	Title	Sponsor	Dollars	Proposal #
Department or Office:	Kroc Institute for International Peace Studies			
Lieber, Keir A.	U. S. Nuclear Weapons Policy: Departure from Deterrence?	Private Funding	\$30,000	04030142
Department or Office:	Lobund Laboratory			
Suckow, Mark A. Pollard, Morris	Coagulation Deficient Rats in Prostate Cancer	I.U. School Medicine	\$388,180	04030117
Suckow, Mark A.	Effect of a Particulate Biomaterial on Tumor Growth	Corporate Funding	\$2,955	04030114
Department or Office:	Nano Science and Technology Center			
Lieberman, Marya Porod, Wolfgang	REU Site: Nano/Bio Engineering at Notre Dame	National Science Foundation	\$434,244	04030110
Snider, Gregory L. Bernstein, Gary H. Orlov, Alexei	Bridging Nanoelectronics to CMOS	Corporate Funding	\$40,000	04030089
Orlov, Alexei Snider, Gregory L.	Direct and field-assisted tunneling for Single-Electron Non-Volatile Memory	Corporate Funding	\$40,000	04030088
Seabaugh, Alan C. Scheutz, Matthias J.	Integrated Ndfeb for Micromotion, Heat Removal, and Microassembly	Corporate Funding	\$40,000	04030094

Proposals submitted during the period Sep-01-2003 to Sep-30-2003

Centers and Institutes Report

Investigator(s)	Title	Sponsor	Dollars	Proposal #
Seabaugh, Alan C. Wernersson, Lars-Erik M.	Tunneling and Embedded-Metal Materials	National Science Foundation	\$521,629	04030109
 Department or Office: Radiation Laboratory				
Meisel, Dan LaVerne, Jay A. Chipman, Daniel M. Kuno, Masaru K. Guldi, Dirk M. Ferraudi, Guillermo J. Tripathi, Gorakh Nath R. Bentley, John J. Madden, Keith P. Hug, Gordon L. Helman, W. P. Carmichael, Ian C. Kamat, Prashant V.	Radiation and Photochemistry in Condensed Phase	Department of Energy	\$17,119,868	04030090
 Department or Office: Walther Cancer Research Center				
Krchnak, Viktor Smith, Bradley D.	Inhibiting Flippase Activity and Inducing Cell Clearance	National Institutes of Health	\$322,750	04030146
Wiest, Olaf G. Helquist, Paul	Structure of the Low Molecular Weight Tyrosine Phosphatases	Purdue University	\$95,285	04030116

Notre Dame Report



Volume 33, Number 5

October 31, 2003

Notre Dame Report is an official publication published fortnightly during the school year, monthly in the summer, by the Office of the Provost at the University of Notre Dame.

Notre Dame Media Group
502 Grace Hall
Notre Dame IN 46556-5612
(574) 631-4633
e-mail: ndreport.1@nd.edu

© 2003 by the University of Notre Dame
Notre Dame IN 46556.

All rights reserved.