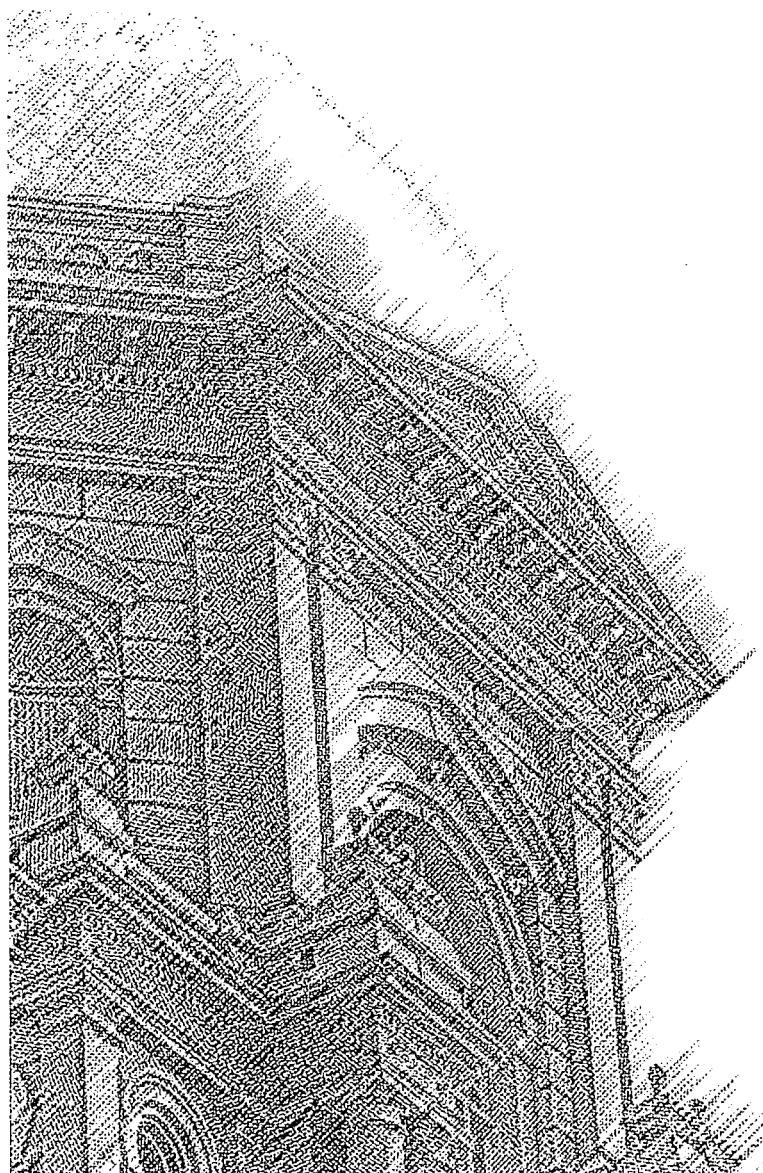


# Notre Dame Report



## The University

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NUMBER 1

# The University

## Naturalist Publication to be Electronically Archived

*The American Midland Naturalist*, the University's oldest academic publication, has been selected for inclusion in the nation's premier electronic journal archive, Journal Storage (JSTOR). *Midland* and 28 other historic periodicals were chosen as a part of a new JSTOR Ecology and Botany Collection assembled by a panel of nationally known scholars. *The American Midland Naturalist* was founded by Rev. Julius Nieuwland, C.S.C., in 1909 and is edited today by Robert P. McIntosh, professor emeritus of biology.

## Notre Dame Athletics Program Ranks High

When the 1999-2000 Sears Directors Cup top 25 university athletic programs are reranked according to student-athletes' graduation rates, Duke, Notre Dame and Stanford lead the poll.

The Sears Cup competition uses a point system to rank universities according to the overall success of their athletic programs. The NCAA publishes an annual report on student-athlete graduation rates, most recently in August 1999. Reranking the Sears Cup standings by graduation rates puts Duke on top, with 91 percent of its student-athletes graduating, closely followed by Notre Dame and Stanford, with 88 and 87 percent graduation rates, respectively.

Stanford finished first in the 1999-2000 Sears Cup competition, with Notre Dame 21st and Duke 24th.

## Rwanda Clerkship Program Funded

The Center for Civil and Human Rights (CCHR) at Notre Dame Law School has been awarded a grant to fund a clerkship program at the International Criminal Tribunal for Rwanda (ICTR) in Arusha, Tanzania.

The two-year grant of \$80,000 from the Open Society Institute will be used to provide promising graduates of human rights programs such as Notre Dame's with an opportunity to gain practical experience, while providing valuable assistance to the Rwandan Tribunal. The grant will be administered by CCHR under the direction of Juan Méndez.

## Archbishop McGrath Dies

Most Rev. Mark B. McGrath, C.S.C., archbishop emeritus of Panama and life trustee of the University, died August 3. A native of Panama, Archbishop McGrath studied at Catholic University of Chile in Santiago before coming to Notre Dame in 1940. In 1942 he entered the novitiate of the Congregation of Holy Cross. After being graduated from Notre Dame in 1945, he did theological studies at Holy Cross College in Washington, D.C., and was ordained a priest in 1949. He studied at the Theological Institute in Paris and at the Angelicum in Rome from which he received his doctorate in 1953. He was elected to Notre Dame's board of trustees in 1975 and elected a life trustee in 1993. He received an honorary doctor of laws from the University in 1963.

# Faculty Notes

## Honors

**Daniel Marmion**, librarian, continues for a term of three years as editor of *Information Technology and Libraries*, a refereed, scholarly journal published by the Library and Information Technology Association (LITA).

**Ralph McInerny**, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, was appointed in June to the editorial board of *Sensus Communis*, an international quarterly for studies and research on Alethic logic.

**Richard R. Mendenhall**, associate professor of finance and business economics, has been named to the editorial advisory and review board of *The Accounting Review*, beginning immediately for a one-year term.

**Rev. Hugh R. Page Jr.**, director of the Program of African and African-American Studies and associate professor of theology, was one of several poets featured in the Black History Month Poetry Reading at Copshaholm House Museum, March 24.

**John E. Renaud**, Clark Equipment associate professor of aerospace and mechanical engineering, was appointed as an associate technical editor for the *ASME Journal of Mechanical Design* for a one-year period beginning July 1.

**Norlin Rueschhoff**, professor of accountancy, received an award in recognition of his seven years' service as the associate editor of the *Cosmos Accountancy Chronicle* at the regular meeting of the International Association for Accounting Education and Research, European Accounting Congress, Munich, March 29.

**Steven R. Schmid**, associate professor of aerospace and mechanical engineering, was invited to participate in the Frontiers of Engineering Symposium by the National Academy of Engineering (NAE). Invitees are

chosen for their potential as leaders in U.S. engineering. Prof. Schmid also was selected by the American Society of Mechanical Engineers to receive the 2000 Burt L. Newkirk Award for contributions in the theory and application of tribology.

**Andrew J. Sommese**, Duncan professor of mathematics, was appointed to the editorial board of the new De Gruyter mathematics journal, *Advances in Geometry*.

**Arvind Varma**, Schmitt professor of chemical engineering, received the 2000 Chemical Engineering Lecture-ship Award from the American Society for Engineering Education (ASEE) at its annual meeting June 20.

## Activities

**Klaus-Dieter Asmus**, professor of chemistry and biochemistry, presented "Reaction of Aliphatic Amino Acids with OH Radicals: Mechanistic Aspects," "Oxidation of Aliphatic Amino Acid Anions Induced by 4-Carboxybenzophenone Triplets in Aqueous Solution," "Determination of Rate Constants for OH Radical Reactions in Basic Solution: Introducing the Carbonate Oxidation as a Convenient and Accurate System for Competitive Studies," and "The OH Radical Induced Oxidation of Methane Sulfinic Acid: The Reaction of Methyl-sulfonyl Radical in the Absence and Presence of Dioxygen" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30. Prof. Asmus was chairman of the conference.

**Subash C. Basu**, professor of chemistry and biochemistry, presented "Apoptosis in Cancer Cells" in the Department of Biochemistry at FuWai Cardiac Hospital, Peking Medical School, Beijing, China, June 23.

**John Bentley**, associate professional specialist in the Radiation Laboratory, presented "Dissociation of Ozonide in Water" at the Midwest Theoretical Chemistry Conference, Univ. of Iowa, Iowa City, May 26-27.

**Marie Bergusova**, research associate, presented "Stochastic Simulation of Liquid Water Radiolysis at Elevated Temperatures" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**Theodore Cachey**, associate professor of Romance languages and literatures and director of the Devers Program in Dante Studies, presented "Print Culture and the Literature of Travel: The Case of the Book of Islands" in the Seminar of Italian Studies at the Humanities Center, Harvard Univ., March 15; "Dante's Inferno: Instructions for Use" in the College of Arts and Letters' Teachers as Scholars Program, Notre Dame, May 3 and 10; "Il viaggio di Dante tra finzione e verità: ancora su Gerione" at the Seminario Dantesco Internazionale in Florence, Italy, June 10; and "Latin vs. Italian: the Linguistic Crisis of the Early Italian Renaissance" in connection with the exhibit of "Florentine Humanism and the Church Fathers," at the Newberry Library, Chicago, July 15.

**Zheng Chang**, research associate, Radiation Laboratory, presented "Hydrogen Production in the Heavy Ion Radiolysis of Solid Polymers" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**J. Michael Crant**, associate professor of management, was awarded a grant for \$5,870 to support a large-scale research project on intrinsic and extrinsic work motivation. Prof. Crant will be working with T. Batemen on the Mendoza College of Business-funded survey research project.

**James T. Cushing**, professor of physics, presented "Determinism versus Indeterminism in Quantum Mechanics: A 'Free' Choice" at the Vatican Observatory sponsored conference on science and religion (Quantum Physics and Quantum Field Theory) at Castel Gandolfo (Rome), Italy, June 30.

**Elizabeth Jane Doering**, adjunct assistant professor in the arts and letters core course, presented "The Evolution of 'Revolution' in the Early Writings of Simone Weil" at the

American Weil Society XX Annual Colloquy at St. John's College, Santa Fe, N. Mex., April 28.

**Georges Enderle**, O'Neil professor of international business ethics, was co-chair of the Second World Congress of Business, Economics, and Ethics at the São Paulo School of Business Administration F. Getulio Vargas, São Paulo, Brazil, on July 19-23, where he presented "A Conceptual Framework for Business Ethics in the Global Context."

**Barbara J. Fick**, associate professor of law and fellow in the Kroc Institute, presented "The Role of Law in Achieving Equality: The American Experience" at Universitat Pompeu Fabra, Barcelona, Spain, May 11; "Core Labor Standards and International Financial Institutions" at the Conference to Build Cooperation among South/Central European Trade Unions, Budapest, Hungary, June 10; "Trade Unions, the World Bank and the International Monetary Fund in Romania," "The Structure and Funding Operations of the International Monetary Fund," "The Structure and Funding Operations of the World Bank" and "Trade Union Strategies for Influencing the Policies of the IMF and the World Bank" for Romanian trade union leaders and government ministers in Neptun, Romania, July 24-25.

**Umesh Garg**, professor of physics, presented "Lifetime Measurements with Small and Large Detector Arrays" at IUCDAEF-Calcutta Centre, Calcutta, India, June 27; and "Lifetime Measurements in Exotic Nuclei with Evaporation-Residue Tagging" at the Nuclear Science Centre, New Delhi, India, July 3.

**James A. Glazier**, associate professor of physics, presented "Current Developments in High Rayleigh Number Turbulence" at the Universidade Federal do Rio Grande Do Sul, Porto Alegre, Brazil, July 11; "Cell Migration and Correlated Cell Velocities" at the International Center for Complex Systems and Department of Physics, Universidade Federal do Rio Grande Do Norte, Natal, Brazil, July 17; and "Cell Migration and Correlated Cell Velocities" at the Department of

Statistical Physics and Department of Biophysics, Univ. of São Paulo, Brazil, July 9.

**Denis A. Goulet**, O'Neill professor in education, fellow in the Kellogg Institute, and fellow in the Kroc Institute, presented "El desarrollo y sus problemas éticos" at Casa del Tiempo, Universidad Autónoma Metropolitana; sat on the panel for "Mexico: Vision 2010" for the Centro de Estudios Estratégicos Nacionales at the Instituto Politécnico Nacional, June 28; presented "Sustainable Development: Ethical Strategies" to the Second International Society of Business Economics and Ethics World Congress, São Paulo, Brazil, July 19-23; and presented "Perspectivas para o Desenvolvimento em um Ambiente Globalizado" to the Faculty of Economics, Administration and Accountancy, Univ. of São Paulo, Ribeirão Preto, July 27. He was interviewed on REDE THATI television on "Globalization and Regional Development," July 27; REDE DA FAMILIA television on "Governmental and Business Corruption as Obstacle to Development," July 27, and for *Revide* magazine on "Development under Globalization," July 28.

**Dirk M. Guldi**, associate professional specialist, Radiation Laboratory, presented "Electron Transfer in Fullerene-Based Donor-Acceptor Systems" at the XIV International Winterschool on Electronic Properties of Novel Materials, Kirchberg, Austria, March 4-11; and "Charge Separation in Porphyrin-Fullerene-Based Donor-Acceptor Systems" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**Eugene Halton**, professor of sociology, presented "Bridging the Gap: Making a New Core Curriculum" at the Annual Meeting of the Society for the Advancement of American Philosophy, Indianapolis, March 10; "At Home with Fantastic Realism" at the International Association for the Fantastic in the Arts, Fort Lauderdale, Fla., March 22-26; "Megatechnic America" at the Midwest Sociological Society Annual Meeting, Chicago, April 20; "Some System Requirements of the Post-Democratic Military-Industrial-

Academic-Entertainment-Sport Complex" at The International Consortium of Social Theory: Social Theory 2000, Lexington, Ky., May 13; "Beyond the Ghost in the Machine" at the School of Social Sciences, Glasgow Caledonian Univ., Glasgow, Scotland, May 23; and "The Art and Craft of the Home" at the Consuming Craft Conference, Buckinghamshire Chilterns University College, England, May 19-21.

**David N. Harley**, instructor in history, presented "Transient Afflictions of the Womb: Changing Stories of Hysteria and Related Ailments" at Bodies of Literature, Histories of the Body, Ohio State Univ., Columbus, April 21; "Inventing Jewishness in Elizabethan London" at the American Association for the History of Medicine, Bethesda, May 20; "Medicine, Magic and Religion—Are They Really Different?" at the Society for the Social History of Medicine, Southampton, UK, July 18; "The Present in the Past: Charles Webster and the 17th Century Pre-History of the NHS" at the joint meeting of the History of Science Society, the British Society for the History of Science, and the Canadian Society for the History and Philosophy of Science, August 6.

**Peaches M. Henry**, assistant professor of English, gave the paper "'When the Voiceless Begin to Find a Voice': Truth, Authority, and Power in Minority Autobiography" at the Autobiography and Changing Identities Conference at the University of British Columbia in Vancouver, Canada, July 28.

**Carmela Kinslow**, associate librarian in the Kresge Library, Notre Dame Law School, coordinated and moderated a program entitled "Leadership in Diversity: The Last Socially Acceptable Prejudice" at the American Association of Law Libraries, Philadelphia, July 17.

**Michael J. Kremer**, associate professor of philosophy, presented "Mathematics and Meaning" at the Zeno Conference on Ludwig Wittgenstein's *Tractatus Logico-Philosophicus*, University of Utrecht, The Netherlands, June 18.

**Yahya C. Kurama**, assistant professor of civil engineering and geological sciences, presented "Lateral Load Behavior of Unbonded Post-Tensioned Hybrid Coupled Walls" at the Sixth ASCCS Conference on Steel and Concrete Composite Structures, Los Angeles, March 22-24; visited Turkey between June 12 and July 7 to investigate the earthquakes of August 17 and November 12, 1999 with a team of researchers from Purdue University as a part of an earthquake reconnaissance project funded by the National Science Foundation; and presented "Virtual Laboratories for Reinforced Concrete Education" at the 2000 Professors, Seminar, Engineering and Economics of Reinforced Concrete Buildings, Portland Cement Association, Skokie, Ill., August 7-9.

**Gary A. Lamberti**, associate professor of biological sciences, organized the symposium "Wanted Dead or Alive: Role of Fish in Benthic Food Webs" at the Annual Meeting of the North American Benthological Society, Keystone, Colo., May 28-June 1. He presented "From the Top to the Bottom: Functions of Fish in Freshwater Food Webs," "Geomorphic and Biotic Responses to Newly Constructed Stream Reaches," co-authored with A. H. Moerke, and "Effect of Organic Carbon Quality on Microbial Decomposition of DOC and Nitrification Rates in Stream Sediments," co-authored with E. A. Strauss.

**Jay A. LaVerne**, professional specialist, Radiation Laboratory, presented "Radical and Molecular Yields in Hydrocarbon Radiolysis" at the Satellite Symposium on Prospects for Application of Radiation towards the 21st Century, Osaka University, Osaka, Japan, March 10; "Heavy Ion Radiolysis of Organic Materials" at the International Symposium on Prospects for Application of Radiation towards the 21st Century, Waseda University, Waseda, Japan, March 14; "Radiation Chemistry with Heavy Ions" at the National Institute of Radiological Sciences, Chiba, Japan, March 21; chaired a session at the Symposium on Accelerators for use in Radiation Chemistry, University of Tokyo, Tokaimura, Japan, March 20; and presented

"Molecular Products in the Radiolysis of Water" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**A. Eugene Livingston**, professor of physics, co-authored a presentation "The Two-photon Decay of the  $1s2s^1S_0$  State in Heavy He-like Ions" with H. W. Schäffer, P. H. Mokler, R. W. Dunford, E. P. Kanter, S. Cheng, L. J. Curtis, C. Kozhuharov, A. Krämer, T. Ludziejewski, H.-Th. Prinz, P. Rymuza, L. Sarkadi, Z. Stachura, Th. Stöhlker, P. Swiat and A. Warczak, presented at the XVII International Conference on Atomic Physics (ICAP-2000), Florence, Italy, June 4-9; he co-authored the presentation "Access to Two-Photon QED Processes via Transitions to 2S States in Heavy Ions" with D. Feili, Ph. Bosselmann, K. -H. Scharfner, F. Folkmann, P. H. Mokler, X. Ma and E. Träbert, presented at the 10th International Conference on the Physics of Highly Charged Ions (HCI-2000), Berkeley, Calif., July 30-August 3.

**John M. LoSecco**, professor of physics, presented "(Mis)Understanding the Atmospheric Neutrino Anomaly," a poster, at the XIX International Conference on Neutrino Physics and Astrophysics, Laurentian University, Sudbury, Ontario, Canada, June 18.

**Ralph McInerny**, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, delivered the keynote address at the Thomistic Conference, Notre Dame, July 14.

**James J. McKenna**, professor of anthropology, presented "Cosleeping and SIDS" and "Cosleeping in Developmental Perspective" at the Sixth International SIDS Conference, Auckland, New Zealand, February 9-10; "Culture, Cribs, and Infant Sleep: Cribs May be Made for Infants, but Were Infants Made for Cribs?" at the March of Dimes Perinatal Nursing Conference, Chicago, February 14; "Infant and Child Sleep," "Cosleeping and SIDS," "Biology of Infancy," and "Physiology of Cosleeping Mother-Baby Pairs: Results of a NICHD Study" at the Vermont Lactation Consultant Associations meeting, Burlington, Vt., April

13-14; and "Cosleeping, Breast Feeding and SIDS: It's Only Biology" at the opening celebration of the University of Durham, England, Parent-Infant Sleep Laboratory, April 15. He appeared on the BBC Morning Talk Show to discuss sleeping arrangements and culture, Durham, England, April 15; presented "Sleep Lab Pioneers Helping Babies Make It Through the Night" on The Northern Echo (Northeast Co., United Kingdom), April 26; presented "Cosleeping and Breast Feeding" at the Stanford Univ. conference on Baby Food: A Biological Standard of Living for Infants, April 17; and presented "Mother-Infant Cosleeping: More than a Nice Idea" at Stone Aged Babies in a Space Age World International Conference on Infant Studies, Brighton, England, July 16-19.

**Dan Meisel**, director of the Radiation Laboratory and professor of chemistry, presented "Radiolytic Yields in Aqueous Suspensions of Nanoparticles" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**Kevin M. Misiewicz**, associate professor of accountancy, presented "Business Succession Part I" and "Business Succession Part II" at the 23rd Annual American Institute of CPAs Advanced Estate Planning Conference in Boston, Mass., July 24-25.

**Asokendu Mozumder**, research professor emeritus of chemistry and biochemistry and in the Radiation Laboratory, presented "Monte Carlo Study of Electron Tracks and the Primary Yields in Liquid Water Radiolysis" at the Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**Rudolph M. Navari, M.D.**, director, Walther Cancer Institute and professional specialist in preprofessional studies, presented "Delayed Nausea and Vomiting: New Treatment Possibilities" at the Hoosier Oncology Group Spring Meeting, Indiana University School of Medicine, Indianapolis, May 10; co-presented "Patient Decisions Concerning Palliative Care" with C. Stocking and M. Siegler at the American Society of Clinical Oncology's 36th

Annual National Meeting, New Orleans, May 22; and co-presented "Do Advanced Cancer Patients Want Hospice Care?" with C. Stocking and M. Siegler at the International Association of Catholic Medical Schools 10th Meeting, Lille, France, June 16.

**Guillermo O'Donnell**, Kellogg professor of government and international studies, delivered a featured speech on "New Democracies: Challenges and Questions for Political Science" at the plenary session of the World Congress of Political Science, Quebec, August 4.

**Simon M. Pimblott**, associate professional specialist in the Radiation Laboratory, presented "Role of Low Energy Electrons in Radiation Damage," "Energy Loss by Non-relativistic Electrons and Positrons in Hydrocarbons and Polymers," "The Track-End in Radiation Chemistry—Simulation of Muonium Formation in Liquid Hydrocarbons," "Stochastic Simulation of Liquid Water Radiolysis at Elevated Temperatures" and "Attenuation and Trapping of Low Energy Electrons in Water" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**Alvin Plantinga**, O'Brien professor of philosophy, presented the commencement address, "Our Vision," at Calvin College, Grand Rapids, Mich., May 20; presented "Supralapsarianism, or O Felix Culpa" at the Calvin College conference, May 23; presented "An Evolutionary Argument Against Naturalism" and "Christian Belief and Science: Conflict or Concord" and response to three papers on his book, *Warranted Christian Belief*, at the annual meeting of the Canadian Philosophical Association, Univ. of Alberta, Edmonton, Alberta, Canada, May 26-27.

**Joseph M. Powers**, associate professor of aerospace and mechanical engineering, chaired the session, "Propulsion Flowfield Analysis," at the 36th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit, Von Braun Civic Center, Huntsville, Ala., July 16-19; and presented

"Advances and Applications of Intrinsic Low Dimensional Manifold Theory" at the Los Alamos National Laboratory, Los Alamos, N. Mex., July 20.

**Kenneth F. Ripple**, professor of law, presented "Appealing the Bankruptcy or Commercial Case to the Court of Appeals" at the meeting of the Bankruptcy and Creditors' Rights Section of the Allen County, Ind. Bar, Fort Wayne, July 24.

**Jonathan Saperstein**, professor of physics, presented "Two Loop Corrections to the Decay Rate of Orthopositronium using NRQED" at the Workshop on Effective Field Theories in Nuclear Physics, Institute for Nuclear Theory, Univ. of Washington, Seattle, July 11.

**Steven R. Schmid**, associate professor of aerospace and mechanical engineering, co-authored "Characterization of Friction and Heat Transfer at the Die-Workpiece Interface During Forging," with S. Vaze and K. Kannan, presented by K. Kannan at the conference on Manufacturing Technology for Aerospace Materials, Arlington, Va., July 27-28.

**Mei-Chi Shaw**, professor of mathematics, presented "L2 Existence Theorems for the Tangential Cauchy-Riemann Complex on Lipschitz Boundaries" at the Analysis and Geometry in Several Complex Variables meeting, Hong Kong Univ., Hong Kong, May 15 and again at the Universite Joseph Fourier, Grenoble, France, May 29; and presented four talks on "The Cauchy-Riemann Equations and the Tangential Cauchy-Riemann Equations on Nonsmooth Domains" in the Complex Analysis and Geometry Seminar, May 22, May 29, June 5, and June 12.

**Donald Sniegowski**, associate professor of English, presented "A Solitary Unconnected Thinker: The Letters of Philippa Meadows to Mark Pattison" at the conference on Women's Private Writing/Writing Women's History at the Univ. of New England, Portland, Maine, June 16.

**Andrew J. Sommese**, Duncan professor of mathematics, presented "A Decomposition of the Solution Set of a Polynomial System into Irreducible Components" to the Mathematics Department at Michigan State University, East Lansing, March 30; "The Numerical Solution of Polynomial Systems" to the Mathematics Department, University of California, Riverside, May 3; and "Numerical Decomposition of the Solution Sets of Polynomial Systems into Irreducible Components" at the joint American Mathematical Society/Society for Industrial and Applied Mathematics conference on Algorithms, Computational Complexity, and Models of Computation for Nonlinear and Multivariate Problem, Mount Holyoke College, South Hadley, Mass., July 16-20.

**Nancy K. Stanton**, professor of mathematics, presented "Real Submanifolds of Complex Space" at the Conference on Stochastic Analysis and Harmonic Analysis at Northwestern University, June 28.

**Richard E. Taylor**, assistant professor of chemistry and biochemistry, presented "Synthetic Methods for Chemical Diversity Inspired by Natural Products" at the Proctor & Gamble Sixth Annual Organic Colloquium, Cincinnati, July 28.

**Jay H. Tidmarsh**, professor of law, presented "Evolving Duty Issues" at the U.S. Dept. of Justice's Attorney General Advocacy Institute, Columbia, S.C., July 26.

**Mona Treguer**, research associate, Radiation Laboratory, presented "Enhancement of Photoinduced Electron Yield in Doped Silver Halide Crystals" and "Radiolytic Yields in Aqueous Suspensions of Nanoparticles" at the Gordon Conference on Radiation Chemistry, Plymouth, N.H., June 25-30.

**A. Peter Walshe**, professor of government and international studies and fellow in the Kroc Institute, presented "Tropical Africa in Crisis: The Aftermath of Independence" and "South Africa: Confronting the Legacy of Apartheid" and "The New South Africa:

Struggling within Africa and the Globalized Economy" at the Ben Gurion Univ. of the Negev, March 26-28.

**Joannes J. Westerink**, associate professor of civil engineering and geological sciences, chaired the XIII International Conference on Computational Methods in Water Resources, Calgary, Canada, June 2000.

**Michael Wiescher**, Freimann professor of physics, presented "Nuclear Physics Aspects in the rp-process" at the Workshop on Thermonuclear Astrophysical Explosions, Chicago, June; "Advances in Experimental Techniques and Facilities," at the Nuclei in the Cosmos 2000, Aarhus, Denmark, June; and "Stars on Earth: Recent Results and Perspectives with RIB Facilities," at the Conference on Nucleus Collisions, Strasbourg, France, July. He served with P. Parker as convenor for the Astrophysics Working Group at the RIH2000 Town Meeting, Durham, N.C., July 24-26, where he gave the summary talk on the needs of a RIH facility for nuclear astrophysics.

**Jennifer A. Younger**, director of University libraries and librarian, presented "Metadata in Libraries: What's It All About?" presented at the Association for Library Collections and Technical Services preconference on Metadata: Libraries and the Web—Retooling AACR and MARC21 for Cataloging in the Twenty-first Century at the American Library Association Conference, Chicago, July 6-12.

## Publications

**Asma Afsaruddin**, assistant professor of classics, wrote a review of *The History of al-Tabari: Biographies of the Prophet's Companions and Their Successors*, translated by Ella Landau-Tasseron (Albany, N.Y.: The State University of New York Press, 1998), in *MESA Bulletin*, vol. 33, 1999, pp. 191-92; and a review of *The Prolegomena to the Qur'an (Bayan fi tafsir al-Qur'an)*, by al-Sayyid Abu al-Qasim al-Musawi al-Khu'i, translated by Abdulaziz A. Sachedina (New York: Oxford University Press, 1998), in *Journal of the American Oriental Society*, vol. 120, no. 1, 2000, pp. 110-111.

**Panagiotis J. Antsaklis**, professor of electrical engineering and director, Center for Applied Mathematics, co-authored "Petri Net Supervisors for DES with Uncontrollable and Unobservable Transitions" with J. O. Moody, published in *IEEE Trans. Automatic Control*, vol. 45, no. 3, March, pp. 462-476; wrote "At the Gates of the Millennium: Are We in Control," published in *IEEE Control Systems Magazine*, vol. 20, no. 1, February, pp. 50-55; co-authored "A Hybrid Feedback Regulator Approach to Control an Automotive Suspension System" with X. D. Koutsoukos, published in *Hybrid Systems: Computation and Control*, N. Lynch, B. Krogh eds., pp. 188-201, *Lecture Notes in Computer Science*, LNCS 1790, Springer-Verlag, 2000; co-authored "A Method for the Synthesis of Deadlock Prevention Controllers in Systems Modeled by Petri Nets" with M. V. Iordache and J. O. Moody, published in *Proc. of the American Control Conference*, Chicago, June 28-30, pp. 3167-3171; co-authored "Optimal Control of Switched Systems: New Results and Open Problems" with X. Xu, published in *Proc. of the American Control Conference*, Chicago, June 28-30, pp. 2683-2687; co-authored "Stabilizing Supervisory Control of Hybrid Systems using Piecewise-Linear Lyapunov Functions" with X. D. Koutsoukos, published in *Proc. of the 8th IEEE Mediterranean Conference on Control and Automation*, University of Patras, Rio, Greece, July 17-19.

**Ani Aprahamian**, professor of physics, co-authored "Low-Spin States from Decay Studies in the Mass 80 Region" with J. Döring and **Michael C.**

**Wiescher**, Freimann professor of physics, published in the *Journal of Research of the National Institute of Standards and Technology*, vol. 105, no. 1, 2000, pp. 43-52; and "Half-life Measurement for the rp-process Waiting Point Nuclide  $^{80}\text{Zr}$ " with J. J. Ressler, A. Piechaczek, W. B. Walters, **Michael C. Wiescher**, Freimann professor of physics, J. C. Batchelder, C. R. Bingham, D. S. Brenner, T. N. Ginter, C. J. Gross, R. Grzywacz, D. Kulp, B. MacDonald, W. Reviol, J. Rikowska, K. Rykaczewski, J. A. Winter and E. F. Zganjar, published in *Physical Review Letters*, vol. 84, 2000, pp. 2104-2107.

**Howard A. Blackstead**, professor of physics, co-authored "Detection of the Nearly Invisible Defect that Disrupts Bulk Superconductivity in  $\text{Pr}_{1.5}\text{Ce}_{0.5}\text{Sr}_2\text{Cu}_2\text{NbO}_{10}$ " with J. D. Dow, I. Felner, W. B. Yelon, M. Chen, H. Luo and D. Pulling, published in *Physical Review B*, vol. 62, no. 2, 2000, pp. 1244-1251.

**Seth N. Brown**, assistant professor of chemistry and biochemistry, co-authored "Charge Effects on Oxygen Atom Transfer" with S.B. Seymour, published in *Inorganic Chemistry*, vol. 39, no. 2, 2000, pp. 325-332.

**Theodore Cachey**, associate professor of Romance languages and literatures and director of the Devers Program in Dante Studies, published "L'odissea del Dante Americano," in *Belfagor: rassegna di varia umanità*, anno LV, n. 3-31 maggio 2000, pp.328-335; "Dante, Bembo e la scuola siciliana," published in *Schede umanistiche*, no. 2, 1999, pp. 107-115; and a review of Tim Parks' *Translating Style: The English Modernists and Their Italian Translations*, London and Washington, Cassell, published in the *Yearbook of Comparative and General Literature*, vol. 47, 1999, pp. 202-205.

**Ian Carmichael**, associate professional specialist in the Radiation Laboratory, co-authored "Density Functional Theory Study of Ultrashort and Overlong CC Single Bonds and the Lowest Nonbonding C...C Distance" with V. Galasso, published in the *Journal of Physical Chemistry A*, vol. 104, no. 26, 2000, pp. 6271-6276.

**Peter Cholak**, McAndrews assistant professor of mathematics, co-authored "Definable Encodings in the Computably Enumerable Sets" with L. Harrington, published in the *Bulletin of Symbolic Logic*, vol. 6, no. 2, June, pages 185-196; he co-edited "Computability Theory and Its Applications: Current Trends and Open Problems," published in the series *Contemporary Mathematics*, American Mathematical Society, no. 257, 2000, 320 pp.; and he wrote "The Global Structure of the Computably Enumerable Sets," also in vol. 257, pp. 61-72.

**Kevin J. Christiano**, associate professor of sociology, co-authored "Secularization Theory: The Course of a Concept" with W. H. Swatos, Jr., published in *The Secularization Debate*, W. H. Swatos, Jr. and D. V. A. Olson, eds., Lanham, Md.: Rowman & Littlefield Publishers, Inc., 2000, pp. 1-20.

**Xavier Creary**, Huisking professor of chemistry and biochemistry, wrote "Radical Stabilizing Ability of the Ferrocenyl and Cyclobutadieneiron Tricarbonyl Groups," published in *Organic Letters*, vol. 2, no. 14, 2000, pp. 2069-2072; and co-authored "Effect of Oxime Substituents on 9-Fluorenyl Carbocations" with A. Wolf, published in *Journal of Physical Organic Chemistry*, vol. 13, 2000, pp. 337-343.

**James T. Cushing**, professor of physics, wrote "Bohmian Mechanics and Its Ontological Commitments," published in *Ontology Studies*, V. Gómez Pin, ed., Bilbao, Spain: Imprenta Luna, 2000, pp. 125-234.

**Georges Enderle**, visiting O'Neil professor of international business ethics, wrote "Approaches to Business Ethics in Different Parts of the World" (in Portuguese) in *Federasul 2000. I Fórum Federasul de Ética em 1999*. Porto Alegre: Federasul, 2000, pp. 26-45.

**Richard Garnett**, assistant professor of law, co-authored "School Choice, The First Amendment, and Social Justice" with **Nicole S. Garnett**, assistant professor of law, published in *4 Texas Review of Law and Politics*, vol. 301, 2000.

**James A. Glazier**, associate professor of physics, co-authored "Embryonic Tissues are Viscoelastic Materials" with D. Beysens and G. Forgacs, published in *Canadian Journal of Physics*, vol. 78, 2000, pp. 243-251.

**David N. Harley**, instructor in history, wrote "Rhetoric and the Social Construction of Sickness and Healing," published in *Social History of Medicine*, vol. 12, 2000, pp. 407-435; and "Richard Bostok of Tandridge, Surrey (c. 1530-1605), M.P., Paracelsian Propagandist and Friend of John Dee," published in *Ambix*, vol. 47, March, pp. 29-36.

**Dale R. Harshman**, visiting professor of physics, co-authored "Location of the Superconducting Hole Condensate in  $\text{Sr}_2\text{YRu}_{1-x}\text{Cu}_x\text{O}_6$  by  $\mu^+$ SR" with W. J. Kossler, A. J. Greer, C. E. Stronach, E. Koster, B. Hitti, M. K. Wu, D. Y. Chen, F. Z. Chien, **Howard A. Blackstead**, professor of physics, and J. D. Dow, published in *Physica B*, vol. 289-290, 2000, pp. 360-364.

**Robert G. Hayes**, professor of chemistry and biochemistry, co-authored "Definitive Assignment of the g Tensor of  $[\text{Fe}(\text{OEP})(\text{NO})]$  by Single-Crystal EPR" with M. K. Ellison and **W. Robert Scheidt**, Warren professor of chemistry and biochemistry, published in *Inorganic Chemistry*, vol. 39, 2000, pp. 3665-3668.

**Joni Kanzler**, assistant librarian and coordinator of library instruction, wrote a review of "Authoritative Guide to Evaluating Information on the Internet" by Alison Cooke, published in *Reference and User Services Quarterly*, vol. 39, no. 3, Spring, p. 319.

**Michael Kremer**, associate professor of philosophy, wrote "Wilson on Kripke's Wittgenstein," published in *Philosophy and Phenomenological Research*, vol. 60 (2000), pp. 571-584.

**William J. Krier**, associate professor of English, wrote "'Blazoned Days': Meaning Changes in the Films of Woody Allen," published in *Film and Philosophy: Special Issue on Woody Allen*, 2000, pp. 144-153.

**Thomas C. Laughner**, assistant professional specialist and assistant director of the Kaneb Center, co-authored "Computing Environment at the University of Notre Dame" with **Kevin Barry**, assistant professional specialist in the Office of Information Technologies, published in *Teaching with Technology*, D. G. Brown, ed., Bolton, Mass.: Anker Publishing, 2000, pp. 32-34.

**David M. Lodge**, professor of biological sciences, co-authored "Non-indigenous Crayfishes Threaten North American Freshwater Biodiversity: Lessons from Europe" with C. A. Taylor, D. M. Holdich and J. Skurdal, published in *Fisheries—American*

*Fisheries Society*, vol. 25, no. 8, 2000, pp. 7-20; and co-authored "Reducing Impacts of Exotic Crayfish Introductions: New Policies Needed" with C. A. Taylor, D. M. Holdich and J. Skurdal, published in *Fisheries—American Fisheries Society*, vol. 25, no. 8, 2000, pp. 21-23.

**Robin MacRorie**, assistant professional specialist in the University writing program, wrote "First Year Composition—And Computers?" published in *Teaching with Technology*, D. G. Brown, ed., Bolton, Mass.: Anker Publishing, 2000, pp. 167-169.

**Daniel Keith Marmion**, librarian, University Libraries, co-authored "Systems Librarians and the Client/Server Environment" with M. Ross, published in *Library Hi Tech*, vol. 18, no. 2, 2000, pp. 151-157.

**Lawrence C. Marsh**, associate professor of economics, co-authored "Sample Section Bias Correction for Missing Response Observations" with **Byung-Joo Lee**, associate professor of economics, published in *Oxford Bulletin of Economics and Statistics*, vol. 62, no. 2, May, pp. 305-322.

**James J. McKenna**, professor of anthropology, wrote "The Cosleeping Controversy: In Defense of Infant-Parent Cosleeping," published in *Contemporary Pediatrics*, vol. 17, no. 6, pp. 116-117; co-authored "Sleep: Location and Suffocation: How Good is the Evidence?" with L. Gartner, published in *Pediatric*, vol. 105, no. 4, 2000, pp. 917-919; wrote "Cultural Influences on Infant Sleep," published in *Zero to Three*, vol. 20, no. 3, 2000, pp. 9-18; wrote "Flawed Data Leads to Flawed Conclusions on Bedsharing," published in the *Brown University Child and Adolescent Behavior Letter*, vol. 16, no. 2, February 2000; and wrote "In Defense of Mother-Infant Bedsharing and Why the Consumer Product Safety Commission is Wrong!" published in *Mothering Magazine*, no. 98, 2000, pp. 50-54.

**Anthony N. Michel**, Freimann professor of engineering, co-authored "Piecewise Lyapunov Functions for Switched Systems with Average Dwell

Time" with G. Zhai, B. Hu and K. Yasuda, published in *Proceedings of the Third Asian Control Conference*, 2000, pp. 229-233; and co-authored "L<sub>2</sub> Gain Analysis of Switched Systems with Average Dwell Time" with G. Zhai, B. Hu and K. Yasuda, published in *Proceedings of the Fourth Asia-Pacific Conference on Control and Measurement*, Guilin, P.R. China: China Aviation Industry Press, 2000, pp. 145-149.

**Marvin J. Miller**, Clark professor of chemistry and biochemistry, co-authored "Syntheses and Binding Studies of Oligonucleotides Containing N-hydroxycarbamate Linkages: Potential DNA Cleaving Antisense Oligomers" with H. Li, published in *Tetrahedron Letters*, vol. 41, 2000, pp. 4323-4327.

**Walter Nicgorski**, professor in the program of liberal studies, wrote "The Importance of 'Instilling Ethics'" in *Instilling Ethics*, N. Thompson, ed., Lanham, Md.: Rowman & Littlefield, 2000, pp. 223-227.

**Morris Pollard**, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, co-authored "Prevention of Induced Prostate-Related Cancer by Soy Protein Isolate/Isoflavone-Supplemented Diet in Lobund-Wistar Rats" with W. Wolter and L. Sun, published in *In Vivo*, vol. 14, 2000, pp. 389-392.

**John E. Renaud**, Clark Equipment associate professor of aerospace and mechanical engineering, co-authored "Characterization of the Mesostucture of Fused Deposition Acrylonitrile-Butadiene-Styrene Materials" with J. F. Rodriguez and J. P. Thomas, published in *Rapid Prototyping Journal*, Vol. 6, No. 3, 2000, pp. 175-185; co-authored "An Investigation of Uncertainty in Multidisciplinary Robust Design Optimization" with X. Gu and S. M. Batill, published in *Proceedings of the Third ISSMO/UBCAD/UB/AIAA World Congress of Structural and Multidisciplinary Optimization*, CD-ROM Proceedings, paper #27-RDU-3, Buffalo, N.Y., May 17-21; co-authored "A Comparative Study of Trust Region Managed Approximate Optimization" with W. Linn, published in *Proceedings*

*of the Third ISSMO/UBCAD/UB/AIAA World Congress of Structural and Multidisciplinary Optimization*, CD-ROM Proceedings, paper #04-DAM-3, Buffalo, N.Y., May 17-21; co-authored "Interactive Multiobjective Optimization Procedure With Local Preference" with R. V. Tappeta, published in *Proceedings of the Third ISSMO/UBCAD/UB/AIAA World Congress of Structural and Multidisciplinary Optimization*, CD-ROM Proceedings, paper #03-MOM1-4, Buffalo, N.Y., May 17-21; and co-authored "Automatic Differentiation in Multiobjective Collaborative Optimization" with J. F. Wang, published in *Proceedings of the Third ISSMO/UBCAD/UB/AIAA World Congress of Structural and Multidisciplinary Optimization*, CD-ROM Proceedings, paper #28-MOM2-6, Buffalo, N.Y., May 17-21.

**Charles M. Rosenberg**, professor of art, art history and design, wrote "In the Footsteps of a Prince: A Look at Renaissance Ferrara," published in *Nexus Network Journal. Architecture and Mathematics*, vol. 1, 1999, pp. 43-64.

**Steven R. Schmid**, associate professor of aerospace and mechanical engineering, co-authored with S. Kalpakjian, *Manufacturing Engineering and Technology*, 4th ed. Prentice-Hall, 2001, 1148 pp.

**Robert Schmuhl**, chairperson and professor of American studies, wrote "Once is Not Enough," published in the *Chicago Tribune*, Books section, Feb. 20, p. 3; wrote "Angela's Ashes' Smolder Still in Limerick," published in *The Boston Globe*, Focus section, March 5, pp. 1 and 5; wrote "Knock, Knock: Crashing the President's Gig," published in the *Chicago Tribune*, section 1, March 17, p. 21; "Process vs. Product," published in *Chicago Tribune*, Books section, April 2, pp. 3 and 6; "Money Talks," a review of *Democracy Derailed*, by D. S. Broder, published in the *Chicago Tribune*, Books section, April 23, p. 8; "Northern Ireland: A Desire for Peace is Not Enough," published in *The Boston Sunday Globe*, Focus section, May 21, pp. 1-2; "Biblio File," a review of *Casanova Was a Book Lover*, by J. M. Hamilton, published in the *Chicago Tribune*, Books section,

June 4, p. 6; and "Mike Royko," a review-essay of *The World of Mike Royko*, by D. Moe, and *One More Time: The Best of Mike Royko*, by M. Royko, published in the *Journal of Illinois History*, vol. 3, Summer, pp. 141-143.

**Daniel T. Simon**, professor of accountancy, co-authored "The Effect of the External Accountant's Review on the Timing of Adjustments to Quarterly Earnings" with M. L. Ettredge, D. B. Smith and M. S. Stone, published in the *Journal of Accounting Research*, vol. 38, no. 1, Spring, pp. 195-207.

**Robert M. Slabey**, associate professor emeritus of English, wrote the biographical article on William Faulkner, published in *The Encyclopedia of American War Literature*, P. Jason and M. Graves, eds., Westport, Conn.: Greenwood, 2000.

**Maoyu Shang**, associate professional specialist in chemistry and biochemistry, co-authored "A Macrobicyclic Receptor with Versatile Recognition Properties: Simultaneous Binding of an Ion Pair and Selective Complexation of Dimethylsulfoxide" with M. J. Deetz and **Bradley D. Smith**, associate professor of chemistry and biochemistry, published in the *Journal of American Chemical Society*, vol. 122, 2000, pp. 6201-6207.

**J. Kerry Thomas**, Nieuwland professor of science, co-authored "Radiolysis of Polyethylene Films Containing Arenes: Bromopyrene Dissociation and Pyrene Binding in Polymer Films" with M. Biscoglio, published in the *Journal of Physical Chemistry B*, vol. 104, no. 3, 2000, pp. 475-484.

**Jay H. Tidmarsh**, professor of law, wrote "Looking Forward," published in the *Sedona Conference Journal*, vol. 1, 2000, pp. 1-10.

**Kern R. Trembath**, assistant chairperson and associate professional specialist in theology, wrote "Web Contributions to Foundations of Christian Theology: A First Year Course," published in *Teaching with Technology*, D. G. Brown, ed., Boston, Mass.: Anker Publishing Company, 2000, pp. 169-17.

**Joannes J. Westerink**, associate professor of civil engineering, co-authored "Issues in Hurricane Surge Computations Using a GWCE Based F.E. Model" with J. C. Feyen and J. H. Atkinson (pp. 865-872); "Evaluation of Spatial Discretizations of the Shallow Water Equations" with J. H. Atkinson (pp. 873-880); "A Look Back at 20 Years of GWC Based Shallow Water Models" with R. Kolar (pp. 899-906); and "A Mass Conservation Analysis of the GWCE Formulation" with A. Aldama, A. Aguillar and R. Kolar (pp. 907-912), each published in *Computational Methods in Water Resources XIII*, L. Bentley et al., eds., Rotterdam: Balkema Publishers, vol. 2, 2000.

**Michael C. Wiescher**, Freimann professor of physics, co-authored "The Effects of New Nuclear Reaction Rates and Opacities on Hydrodynamic Simulations of the Nova Outburst" with S. Starrfield, W. M. Sparks and J. W. Truran, published in *The Astrophysical Journal Supplement Series*, vol. 127, 2000, pp. 485-495; and "Capture of  $\alpha$  Particles by Isospin-symmetric Nuclei" with T. Rauscher, F.-K. Thielemann and J. Görres, published in *Nuclear Physics A*, vol. 675, 2000, pp. 695-721.

**William L. Wilkie**, Nathe professor of marketing, co-authored "Marketing's Contributions to Society" with **Elizabeth S. Moore**, assistant professor of marketing, published in the *Journal of Marketing*, millennium issue, 1999, pp. 198-218.

# Administrators' Notes

## Activities

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**Alan S. Bigger**, director of building services, presented "Little Things Mean a Lot" and "Where's the Beef?" as keynote speaker at the Sixth Annual Custodial Training Expo, Kalamazoo, June 21.

**Tim Rippinger**, director of development operations, and **Donna Adams**, director of development technology, co-presented "Technology in the Fund Raising Marketplace" to the Michiana Chapter of the National Society of Fund Raising Executives at the Saint Joseph Medical Center, South Bend, July 25.

## Publications

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**Alan S. Bigger**, director of building services, co-authored "Disservice America: The Need for Value-added Service is Now!" with L. B. Bigger, published in *Executive Housekeeping Today*, July, pp. 17-20; "Odor Control During the Summer Heat" with L. B. Bigger, published in *Sanitary Maintenance*, July, pp. 36-49; "Paper Gains: Strategies for Streamlining Paper-Goods Specification to Hold Down Costs" with L. B. Bigger, published in *Maintenance Solutions*, July, pp. 34-36; and "A Breath of Fresh Air: Odor Control During the Heat of Summer" with L. B. Bigger, published in *Executive Housekeeping Today*, August, pp. 4-6.

# Documentation

## Errata

*The following information was omitted from Notre Dame Report, Vol. 29, No. 18.*

### To Emeritus

James F. White  
Theology

## Spring Faculty 2000

*The following faculty members joined the faculty in the spring 2000 semester and were not included in the faculty listing in Notre Dame Report #4.*

MARY ANNE BALLARD, *Adjunct Instructor in Music*. B.A., Wellesley College, 1964; M.A., University of Pennsylvania, 1974. (1999)

ELENI BASTEA, *Visiting Professor of Architecture*. B.A., Bryn Mawr College, 1980; M.Arch., Univ. of California, Berkeley, 1982; Ph.D., *ibid.*, 1989. (2000)

BRIAN R. BRADY, *Adjunct Instructor in Management*. B.A., University of Notre Dame, 1974. (2000)

JAMES P. BREEN, *Adjunct Instructor in Accountancy*. B.A., University of Notre Dame, 1974; M.S., DePaul University, 1978. (2000)

IRENE BROWNE, *Visiting Associate Professor of Sociology*. B.A., University of Santa Cruz, 1979; M.A., Queen's College, 1987; Ph.D., University of Arizona, 1991. (2000)

GORDAN BRUCE BRUMWELL, *Adjunct Assistant Professional Specialist in Biological Sciences*. B.S., Calvin College, 1990; B.A., Calvin College, 1990; Ph.D., University of Notre Dame, 1999. (2000)

GILBERTO CARDENAS, *Director of Center for Latino Studies and Julian Samora Professor of Latino Studies*, A.A., East Los Angeles College, 1967; B.A., California State University, 1969; M.A., University of Notre Dame, 1973; Ph.D., *ibid.*, 1977. (2000)

TIFFANY LIMIN CHEN, *Adjunct Instructor in Management*. B.S., Nanjing University, 1990; M.S., Louisiana State University, 1993; M.B.A., University of Texas at Austin, 1997. (2000)

G. CHRISTOPHER CLARK, *Concurrent Instructor in Management*. B.A., Cornell University, 1975; M.A., University of Rochester, 1980. (1999)

ALEXANDRA CORNING, *Assistant Professional Specialist in Psychology*. B.S., University of Florida, 1988; M.S., Loyola University, Chicago, 1990; Ph.D., Ohio State University, 1994. (2000)

ARPAD ISTVAN CSURGAY, *Visiting Professor of Electrical Engineering*. Dipl. Engr., Techn. University Budapest, 1959; Ph.D., Techn. University Budapest, 1964; D.Sc., Hungarian Academy of Science, 1973. (2000)

GLEN W. S. DOWELL, *Adjunct Instructor in Management*. B.Commerce, University of Alberta, 1989; M.B.A., McGill University, 1995. (2000)

CIARAN DRIVER, *Adjunct Associate Professor in the MBA London Program*. B.A. (Econ), University College, Cork, 1970; M.A., University of Lancaster, 1971; M.S., University of London, 1975. (1999)

CHRISTOPHER J. ECKRICH, *Adjunct Assistant Professor of Management*. B.A., University of Notre Dame, 1985; M.A., Purdue University, 1990; Ph.D., Purdue University, 1993. (2000)

KARI A. GALLAGHER, *Adjunct Assistant Professor of Law*. B.A., University of Notre Dame, 1990; J.D., University of Notre Dame Law School, 1993. (2000)

ROWAN ALLEN GREER, *Visiting Professor of Theology*. A.B., Yale College, 1956; S.T.B., General Theology Seminary, New York City, 1959; Ph.D., Yale University, 1965. (2000)

ROBERT P. GUERRE, *Adjunct Assistant Professor of Law*. B.A., Dartmouth College, 1987; J.D., University of Notre Dame Law School, 1991. (2000)

JOERG HENKEL, *Melchor Visiting Assistant Professor of Computer Science and Engineering*. M.S.E.E., Technical University, Germany, 1991; Ph.D., Technical University, Germany, 1996. (2000)

MICHAEL DOUGLAS HILDRETH, *Assistant Professor of Physics*. A.B., Princeton University, 1988; Ph.D., Stanford University, 1995. (2000)

JAMES J. HILL, *Visiting Assistant Professor of Marketing*. B.A., University of Ulster, 1988; M.A., University of Ulster, 1991. (2000)

CARLOS HUNEEUS, *Visiting Fellow in the Helen Kellogg Institute for International Studies*. Ph.D., University of Heidelberg, 1980. (2000)

CHRISTIAN R. JARA, *Adjunct Instructor in Computer Applications Second Major Program*. B.A., Fordham University, 1974. (2000)

SAUNDRA DENISE JOHNSON, *Associate Professional Specialist in the Program for Minorities in Engineering and Science (G.E.M.)*. B.S.C.E., Pennsylvania State University, 1986. (2000)

JONI E. KANZLER, *Assistant Librarian*. B.A., Western Kentucky University, 1994; M.L.S., Indiana University, 1995. (2000)

CHANGHO KEEM, *Guest Professor of Mathematics*. B.S., Seoul National University, 1976; Ph.D., Brown University, 1983. (2000)

TRACY D. KNOX, *Adjunct Instructor in Accountancy*. B.S., U.S. Military Academy, 1984; J.D., University of Notre Dame Law School, 1991. (2000)

PATRICIA A. LOGHRY, *Assistant Librarian*. B.A., University of Wisconsin, Madison, 1986; M.L.S., University of Wisconsin, Madison, 1991. (2000)

DANIEL KEITH MARMION, *Librarian*. B.A., University of North Texas, 1978; M.S., University of North Texas, 1985. (2000)

JOHN D. MATEJA, *Visiting Instructor in Architecture*. B.Arch., University of Notre Dame, 1992. (2000)

JEFFREY M. MC GOWAN, *Adjunct Instructor in Accountancy*. B.B.A., University of Notre Dame, 1986; M.B.A., University of Notre Dame, 1989. (2000)

CAROL A. MILLS, *Adjunct Instructor in Management*. B.S. Nursing, University of Wisconsin, Milwaukee, 1982; M.S. Management, University of Wisconsin, Milwaukee, 1992. (2000)

MARK D. NOELDNER, *Adjunct Instructor in Management*. B.A., University of Wisconsin, 1984; M.A., Marquette University, 1994. (2000)

JAMES J. O'BRIEN, JR., *Adjunct Instructor in Management*. B.S., U.S. Military Academy, West Point, 1970; M.S., Stanford University, 1982. (2000)

PAUL J. PERALTA, *Adjunct Assistant Professor of Law*. B.A., University of Notre Dame, 1979; J.D., University of Notre Dame Law School, 1986. (2000)

ANNE B. PILKINGTON, *Adjunct Assistant Professor of Mathematics*. B.A., University College Dublin, 1984; M.A., University College Dublin, 1985; Ph.D., University of Notre Dame, 1991. (2000)

DONALD B. POPE-DAVIS, *Professor of Psychology*. B.A., Illinois Benedictine College, 1976; M.Sc., Indiana University, 1978; Ph.D., Stanford University, 1989. (2000)

MICHAEL R. SAXTON, *Adjunct Instructor in Theology*. B.A., Texas A & M University, 1972; M. Div., Southwestern Baptist Theological Seminary, 1976. (2000)

MARGARET B. SHACKELL-DOWELL, *Assistant Professor of Accountancy*. Ph.D., University of Michigan, 1999. (2000)

ALLAN J. STITT, *Adjunct Assistant Professor of Law*. Bachelor of Laws, University of Windsor, 1988; J.D., University of Detroit, 1988; Master of Laws, Harvard Law School, 1992. (2000)

BOHDAN SZKLARSKI, *Visiting Assistant Professor of Government*. Ph.D., Polish Academy of Sciences, 1996. (2000)

MARC TRUITT, *Assistant Librarian*. B.A., Yale University, 1978; M.A., Stanford University (A.B.D.), 1981; M.L.S., Columbia University, 1990. (2000)

PHYLLIS V. WEZEMAN, *Adjunct Instructor in Theology*. B.G.S., Indiana University, South Bend, 1984; M.S., Indiana University, South Bend, 1990. (2000)

BRUCE N. WOOD, *Adjunct Instructor in Management*. B.S. Accounting, Indiana University, South Bend, 1977. (2000)

## Academic Year Calendar 2000-2001

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### Fall Semester 2000

Aug. 18, Friday  
Orientation, enrollment, and registration for new upperclass and graduate students

Aug. 19-20, Sat.-Sun.  
Orientation and counseling for freshmen

Aug. 21, Monday  
Enrollment for all continuing students and freshmen

Aug. 22, Tuesday  
Classes begin at 8:00 a.m.

Aug. 30, Wednesday  
Last date for all class changes

Sept. 4, Monday  
Labor Day — classes are in session

Oct. 13, Friday  
Midsemester Deficiency Reports due in Registrar's Office by 3:00 p.m.

Oct. 14-22, Sat.-Sun.  
Midsemester Break

Oct. 23, Monday  
Classes resume at 8:00 a.m.

Oct. 27, Friday  
Last day for course discontinuance

Nov. 23-26, Thurs.-Sun.  
Thanksgiving holiday

Nov. 27, Monday  
Classes resume at 8:00 a.m.

Dec. 6, Wednesday  
Last class day

Dec. 7-10, Thurs.-Sun.  
Study days (no examinations)

Dec. 11-15, Mon.-Fri.  
Final Examinations

Dec. 19, Tuesday  
All grades due in the Registrar's Office by 3:00 p.m.

### Spring Semester 2001

Jan. 15, Monday  
Orientation, enrollment, and registration

Jan. 16, Tuesday  
Classes begin at 8:00 a.m.

Jan. 24, Wednesday  
Last date for all class changes

Mar. 9, Friday  
Midsemester Deficiency Reports due in Registrar's Office by 3:00 p.m.

Mar. 10-18, Sat.-Sun.  
Midsemester Break

Mar. 19, Monday  
Classes resume at 8:00 a.m.

Mar. 23, Friday  
Last day for course discontinuance

Apr. 13-16, Wed.-Fri.  
Easter Holiday

Apr. 17, Tuesday  
Classes resume at 8:00 a.m.

May 2, Wednesday  
Last class day

May 3-6, Thurs.-Sun.  
Study days (no examinations)

May 7-11, Mon.-Fri.  
Final Examinations

May 15, Tuesday  
All grades are due in the Registrar's Office by 3:00 p.m.

May 18-20, Fri.-Sun.  
Commencement Weekend

### Summer Session 2001

June 18, Monday  
Enrollment

June 19, Tuesday  
Classes begin at 8:00 a.m.

July 31, Tuesday  
Last class day

August 1, Wednesday  
Course examinations for all students

August 3, Friday  
Commencement

## Notre Dame Report Publication Schedule

### Volume 30 - 2000-2001

- #1     Deadline: Wednesday, August 9, 2000  
          Publication Date: Friday, August 25
- #2     Deadline: Wednesday, August 23  
          Publication Date: Friday, September 8
- #3     Deadline: Wednesday, September 6  
          Publication Date: Friday, September 22
- #4     Deadline: Wednesday, September 20  
          Publication Date: Friday, October 13
- #5     Deadline: Wednesday, October 11  
          Publication Date: Friday, October 27
- #6     Deadline: Wednesday, October 25  
          Publication Date: Friday, November 10
- #7     Deadline: Wednesday, November 8  
          Publication Date: Wednesday, November 22
- #8     Deadline: Wednesday, November 22  
          Publication Date: Friday, December 8
- #9     Deadline: Wednesday, January 2, 2001  
          Publication Date: Friday, January 19
- #10    Deadline: Wednesday, January 17  
          Publication Date: Friday, February 2
- #11    Deadline: Wednesday, January 31  
          Publication Date: Friday, February 16
- #12    Deadline: Wednesday, February 14  
          Publication Date: Friday, March 2
- #13    Deadline: Wednesday, February 28  
          Publication Date: Friday, March 16
- #14    Deadline: Wednesday, March 14  
          Publication Date: Friday, March 30
- #15    Deadline: Wednesday, March 28  
          Publication Date: Friday, April 13
- #16    Deadline: Wednesday, April 11  
          Publication Date: Friday, April 27
- #17    Deadline: Wednesday, April 25  
          Publication Date: Friday, May 11
- #18    Deadline: Wednesday, May 16  
          Publication Date: Friday, June 8
- #19    Deadline: Wednesday, June 13  
          Publication Date: Friday, June 30
- #20    Deadline: Wednesday, July 4  
          Publication Date: Friday, July 20

## Notre Dame Report Submission Information

Faculty (all classes: teaching and research faculty, special professional faculty, and librarians and special research faculty) and administrators may submit information to be printed in *Notre Dame Report* to 502 Grace Hall or via e-mail to [ndreport.1@nd.edu](mailto:ndreport.1@nd.edu).

### Faculty and Administrators' Notes:

**Appointments** include only those University appointments such as deans, department heads, heads of committees and administrative professionals. This does not include appointments to faculty positions.

**Honors** is comprised of non-University appointments in one's field and outright honors. It does not include fellowships, grants, etc. Any grants not published in the Awards Received section of the *Report* will be noted in Activities. Information required for each honor submitted includes: name, rank or title, department, honor, name of organization bestowing honor, city, state and date (if applicable).

**Activities** must be of a professional and public nature (such as invited lectures and papers read) and should be related to one's work at the University. Lectures given on campus are only acceptable if they are of a special nature and/or if they are presented to a broader audience than the Notre Dame community. Merely attending a meeting is unacceptable. Information required for each activity submitted includes: name, rank or title, department, title of presentation, title of conference or institution, city, state and date. No activities are printed ahead of the date, only after the fact. Activities will not be printed over six months out of date.

**Publications** of books, articles in journals, proceedings or books, as well as reviews are published in *Notre Dame Report*. Information required for a publication in a book or journal includes: name, rank or title, department (for all Notre Dame authors), title of article, name of journal (volume number, issue number, date) or name of book (author, place of publication, publisher, date) and page numbers. Information required for a published or edited book includes: name, rank or title, department (for all Notre Dame authors), book title, place of publication, publisher, date and total number of pages.

### Documentation:

Meeting minutes from the Graduate Council, Academic Council, Faculty Senate, University Committee on Libraries, Committee on Research and Sponsored Programs, Faculty Board on Athletics and University Committee on Women Faculty and Students are printed in *Notre Dame Report*. These minutes should be sent to 502 Grace Hall or via e-mail to [ndreport.1@nd.edu](mailto:ndreport.1@nd.edu).

## Awards Received and Proposals Submitted

In the period July 1, 2000 to July 31, 2000.

Category	AWARDS RECEIVED		PROPOSALS SUBMITTED	
	No.	Amount	No.	Amount
Research	38	\$6,095,499	39	\$19,023,510
Facilities and Equipment	0	0	0	0
Instructional Programs	1	\$1,144	1	\$11,500
Service Programs	0	0	0	0
Other Programs	<u>1</u>	<u>\$25,000</u>	<u>0</u>	<u>0</u>
Total	40	\$6,121,643	40	\$19,035,010

## Awards Received

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

### AWARDS FOR RESEARCH

#### Aerospace and Mechanical Engineering

**Eric J. Jumper**

High Cycle Fatigue Correction Research

U.S. Air Force Academy

\$35,000 12 months

**Thomas J. Mueller**

Flow Physics for Wings at Very Low Reynolds Numbers

Department of Navy

\$15,000 38 months

**Steven B. Skaar**

Autonomous Robotic Bag Stacking System

Smurfit-Stone

\$9,000 12 months

#### Anthropology

**Karen E. Richman**

The Protestant Ethic and the Dis-spirit of Vodou

Newberry Library

\$16,800 12 months

#### Biological Sciences

**John H. Adams**

Molecular Analysis of Apical Organelles of Plasmodium

National Institutes of Health

\$284,280 11 months

**Scott Donald Bridgman**

Environmental Gradients Structuring Peatland Communities

National Science Foundation

\$8,000 59 months

**Malcolm J. Fraser**

Expression and Mutagenesis of the PiggyBac Transposase

Exelixis Pharmaceuticals, Inc.

\$50,000 24 months

**Gary A. Lamberti**

Effect of Stormwater Filters on Stream Temperature

Saint Joseph County Drainage Board

\$17,820 12 months

**Joseph Edward O'Tousa**

Genetic Analysis of Retinal Degeneration

National Institutes of Health

\$69,520 12 months

**Joseph Edward O'Tousa**

Genetic Analysis of Retinal Degeneration

National Institutes of Health

\$208,561 12 months

**David William Severson**

RFLP Mapping of Plasmodium Refractory Genes in

Mosquitoes

National Institutes of Health

\$294,080 12 months

**JoEllen J. Welsh**

Vitamin D Mediated Apoptosis in Mammary Cells

National Institutes of Health

\$268,200 12 months

#### Chemical Engineering

**Joan F. Brennecke**

GOALI: Design and Evaluation of Room Temperature Ionic Liquids for Green Chemical Processing

National Science Foundation

\$155,937 12 months

**Joan F. Brennecke**

Purification of Extractants by Supercritical Fluid Extraction

PG Research Foundation, Inc.

\$24,000 12 months

**Joan F. Brennecke**

Supercritical CO<sub>2</sub> Extraction of Coal Macerals

PG Research Foundation, Inc.

\$8,207 12 months

**Joan F. Brennecke**

Purification of Extractants by Supercritical Fluid Extraction

PG Research Foundation, Inc.

\$54,182 12 months

**Edward J. Maginn**

Experimental and Molecular Modeling Investigations of

Binary Adsorption in Zeolites and Functionalized

Mesoporous Materials

American Chemical Society

\$60,000 24 months

**Agnes E. Ostafin**

POWRE: Nanoscale Silicate Shells-Chemical and Physical

Properties

National Science Foundation

\$74,947 18 months

#### Chemistry and Biochemistry

**Seth N. Brown**

Grant-in-Aid in the Physical Sciences

Union Carbide

\$10,000 12 months

**Sharon Hammes-Schiffer**

Chemical Reaction Dynamics in Complex Systems  
Camille & Henry Dreyfus Foundation  
\$60,000 12 months

**Sharon Hammes-Schiffer**

Simulation of Proton and Hydride Transfer in Enzymes  
National Institutes of Health  
\$64,912 12 months

**Paul Helquist**

Chemical Compounds Agreement  
Beacon Laboratories, Inc.  
\$30,000 3 months

**Civil Engineering and Geological Sciences****William G. Gray**

Thermodynamically Constrained Models for Multiphase Systems  
National Science Foundation  
\$50,654 24 months

**Computer Science & Engineering****Vincent W. Freeh**

Effectively Managing Transient Peak Loads in Web Servers  
International Business Machines  
\$40,000 12 months

**Peter M. Kogge**

Morphable Computer Architectures for Highly Energy Aware Systems  
Air Force Research Lab/ARPA  
\$274,176 24 months

**Electrical Engineering****Alan C. Seabaugh**

Silicon Tunnel Diode Integrated Circuit  
NAVY/SPAWAR/DARPA  
\$158,967 12 months

**Government and International Studies****Scott P. Mainwaring**

Democracy in Latin America, 1945-1998  
J.S. Guggenheim Memorial Foundation  
\$34,000 12 months

**Mathematics****Samuel R. Evens**

Geometry and Representations of Reductive Groups  
National Science Foundation  
\$25,000 29 months

**Office of the Provost****Nathan O. Hatch**

The Christian Scholars Program  
Pew Charitable Trust  
\$3,200,000 37 months

**Physics****Albert-Laszlo Barabasi**

Driven Interfaces in Random Media  
National Science Foundation  
\$51,000 48 months

**David P. Bennett**

The Microlensing Planet Search Project  
National Aeronautics and Space Administration  
\$45,000 12 months

**Malgorzata Dobrowolska-Furdyna**

Optical and Far Infrared Studies of Semiconductor Heterostructures  
National Science Foundation  
\$105,000 12 months

**Peter Ernest Schiffer**

Novel Low Temperature Behavior in Materials  
National Science Foundation  
\$50,000 48 months

**Carol E. Tanner**

Precision Measurements of Transition Amplitudes in Atomic Cesium  
National Science Foundation  
\$98,278 12 months

**Preprofessional Studies****Rudolph M. Navari**

Health Assessment Project  
Maclean-Fogg Company  
\$4,000 36 months

**Psychology****Robert Lee West**

The Neural Foundation of Prospective Memory  
American Federation for Aging Research  
\$48,978 12 months

**The Graduate School (Other)****Anthony K. Hyder**

NATO Advanced Studies Institute on Multisensor Data Fusion Conference  
Department of Navy  
\$15,000 12 months

### Theology

#### Eugene Charles Ulrich

The Publication of Four Volumes of Dead Sea Scrolls  
Oxford Centre Hebrew Studies  
\$5,000 25 months

#### AWARDS FOR INSTRUCTIONAL PROGRAMS

### Upward Bound

#### Dorine Blake-Smith

Upward Bound  
Department of Education  
\$1,144 12 months

#### AWARDS FOR OTHER PROGRAMS

### Chemistry and Biochemistry

#### Karen M. Morris

K-12 Science Curriculum Dissemination Center  
Education Development Center, Inc.  
\$25,000 21 months

## Proposals Submitted

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

#### PROPOSALS FOR RESEARCH

### Aerospace and Mechanical Engineering

#### Eric J. Jumper

Using Off-the-shelf Turbomachine Unsteady Aero Codes for the Development of Unsteady Disturbance Guidelines  
Advanced Gas Turbine Systems Research  
\$151,849 24 months

#### Eric J. Jumper

High Cycle Fatigue Correction Research  
U.S. Air Force Academy  
\$35,000 12 months

#### Samuel Paolucci

A Multidimensional Wavelet/Manifold Method for Combustion Modeling  
Department of the Air Force  
\$264,758 24 months

#### Steven B. Skaar

Autonomous Multiple-Robot Block-Structure Assembly  
National Aeronautics and Space Administration  
\$1,000,000 36 months

### Biological Sciences

#### Sunny K. Boyd

Neuropeptide Modulation of a Vocal Motor Pathway  
National Science Foundation  
\$331,331 36 months

#### Crislyn D'Souza-Schorey

Regulation of ARF6-mediated Membrane Recycling  
National Science Foundation  
\$546,752 48 months

#### David M. Lodge

Predicting the Identity and Impact of Nonindigenous Species in the Great Lakes  
Environmental Protection Agency  
\$450,000 36 months

#### Jeffrey S. Schorey

Methodology for the Genetic Transformation of *M. leprae*  
The British Leprosy Relief Association  
\$38,800 12 months

### Chemical Engineering

#### Joan F. Brennecke

Purification of Extractants by Supercritical Fluid Extraction  
PG Research Foundation, Inc.  
\$78,182 12 months

#### Joan F. Brennecke

Supercritical CO<sub>2</sub> Extraction of Coal Macerals  
PG Research Foundation, Inc.  
\$8,207 12 months

#### Joan F. Brennecke

Supercritical Extraction of Model Adsorbates  
UOP Research Center  
\$24,999 12 months

#### Hsueh-Chia Chang

Nanoscale Patterning  
National Science Foundation  
\$267,576 36 months

#### Agnes E. Ostafin

Chemical Processes in Charged Nano-Scale Silicate Shells  
American Chemical Society  
\$25,000 24 months

### Chemistry and Biochemistry

#### J. D. Gezelter

Dynamics of Model Biological Membranes and Glass Formation in Liquid Metals  
National Science Foundation  
\$541,008 60 months

**Holly Goodson**

Characterization of a Novel Head-Stalk Protein Associated  
with Axoneme Structures in *Giardia Lamblia*  
Georgetown University  
\$79,998 48 months

**Olaf G. Wiest**

Electron Transfer Induced Reactions of Strained Systems  
Volkswagen-Stiftung  
\$122,505 36 months

**Civil Engineering and Geological Sciences****Robert L. Irvine**

Multidisciplinary Traineeship Program in Environmental  
Geosciences  
National Science Foundation  
\$2,699,999 60 months

**Lloyd H. Ketchum**

IGERT - Small Community Water Systems  
National Science Foundation  
\$2,650,808 60 months

**Computer Science and Engineering****Jesus A. Izaguirre**

CAREER: Parallel Multiscale Algorithms and Problem-  
Solving Environments for Drug Design, Protein Folding, and  
Molecular Modeling  
National Science Foundation  
\$382,817 60 months

**Economics****David M. Betson**

Discretionary Income Poverty Among American Workers  
The Conference Board  
\$136,082 24 months

**Electrical Engineering****Peter H. Bauer**

Feedback Control Through Heterogeneous Wireless Packet  
Networks  
Department of Army  
\$247,573 36 months

**Patrick J. Fay**

Fabrication and Testing of III-V HEMTs and HBTs Awards  
MicroLink Devices  
\$65,039 6 months

**Michael D. Lemmon**

Dynamic Reconfiguration of Robotic Colonies  
National Aeronautics and Space Administration  
\$392,703 36 months

**Alan C. Seabaugh**

Tunnel Diode IC  
Semiconductor Research Corporation  
\$784,302 36 months

**Alan C. Seabaugh**

Tunneling-Based Static Random Access Memory  
Intel Corporation  
\$223,198 36 months

**History****Kathleen A. Biddick**

Time Lag: Thinking History in a Digital World  
Council International Exchange Scholars  
\$30,000 12 months

**Howard P. Louthan**

Constructing a Cultural Identity: Religion and National  
Memory in Early Modern Bohemia  
Council International Exchange Scholars  
\$25,992 9 months

**Kellogg Institute for International Studies****Michael J. Coppedge**

Graduate Education on the Quality of Democracy  
National Science Foundation  
\$1,988,368 60 months

**Laboratory for Social Research****Felicia B. LeClere**

Income Inequality, Economic Segregation, Neighborhood  
Attributes, and the Health and Health Care Utilization of  
Children in the USA  
Robert Wood Johnson Foundation  
\$228,940 36 months

**Mathematics****Steven A. Buechler**

Broad-Spectrum Efforts in Research and Communication of  
Mathematics  
National Science Foundation  
\$2,187,324 60 months

**Physics****Howard A. Blackstead**

A Partnership for Superconducting Electronics Innovation  
National Science Foundation  
\$599,392 24 months

**Neal M. Cason**

Support for Brookhaven Experiment E-852  
Brookhaven National Laboratory  
\$77,480 12 months

**Michael D. Hildreth**

A Level 1 Stereo Track Processor for the DZero Experiment  
National Science Foundation  
\$776,555 60 months

**Sun Hong Rhie**

Gravitational Microlensing From Space  
National Aeronautics and Space Administration  
\$271,366 36 months

**Psychology****Bradley S. Gibson**

A New Look at Contingent Capture  
National Science Foundation  
\$292,492 36 months

**Anita E. Kelly**

Why Do Public Self-Presentations Lead to Changes in Private  
Self-Conceptions?  
National Science Foundation  
\$501,780 60 months

**Theology****Hugh R. Page**

Cultural Concordance of Ancient Near Eastern Literature  
National Endowment for the Humanities  
\$243,335 36 months

**Gregory E. Sterling**

Residential Research Fellowship  
Hebrew University of Jerusalem  
\$36,000 9 months

**Walther Cancer Institute****Rudolph M. Navari**

Collaborative Cancer Research Program  
Walther Cancer Institute  
\$216,000 24 months

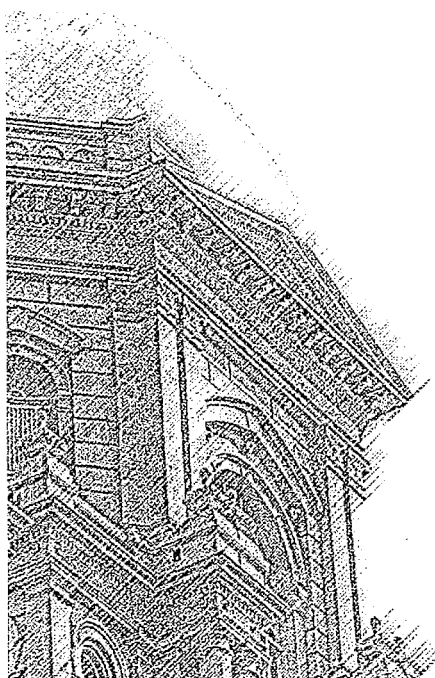
## PROPOSAL FOR INSTRUCTIONAL PROGRAM

**College of Arts and Letters****Julia V. Douthwaite**

Teachers as Scholars Program  
Woodrow Wilson National Fellowship Foundation  
\$11,500 24 months

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# Notre Dame Report



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