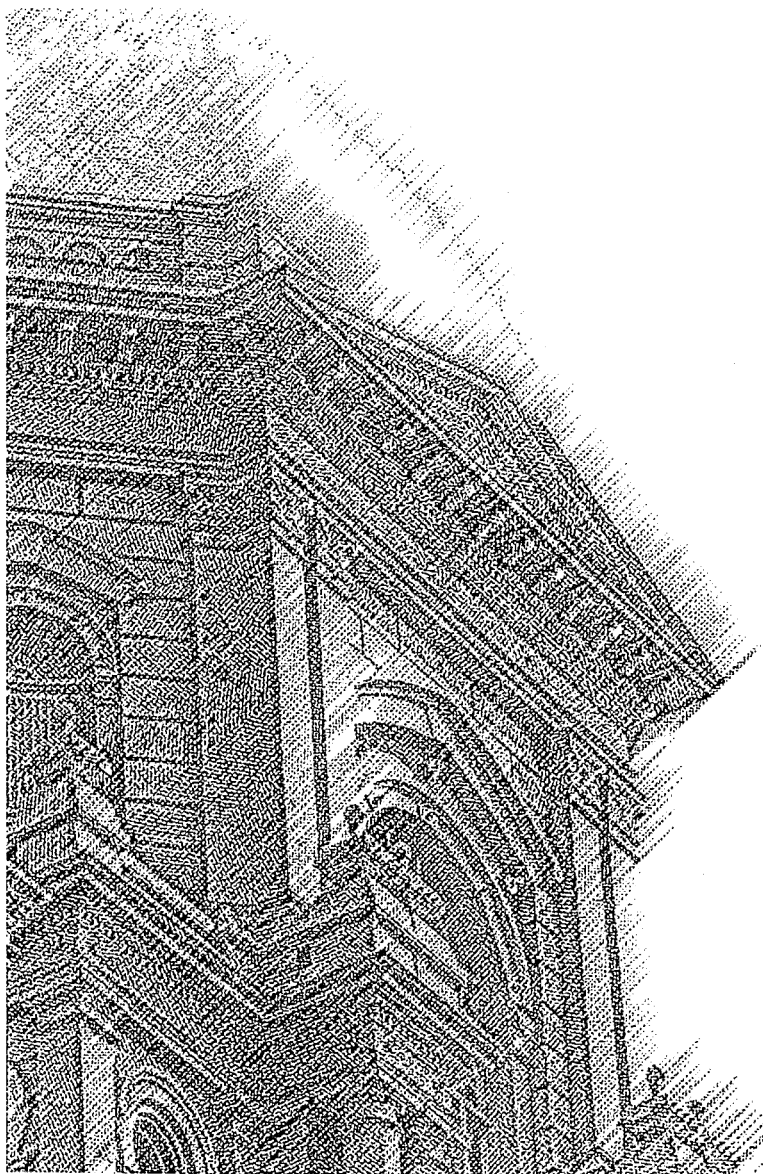


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Faculty Receive Special Recognition

Seventeen faculty members and three rectors received special recognition at the University of Notre Dame's annual president's dinner for faculty.

Frank K. Reilly, Hank professor of finance and former dean of Notre Dame's College of Business Administration, received the Faculty Award, whose recipients are nominated by the faculty at large and selected by a committee of former winners of the award. A 1957 Notre Dame alumnus, Reilly joined the faculty in 1981. He is the author of his discipline's leading textbook and has won teaching awards at every level. Among students he regarded as a hard taskmaster, and his class is regularly rated as one of the most difficult on campus. Yet he is also considered an outstanding teacher — challenging but inspirational, demanding yet fair, and professional yet caring.

The Rev. James A. Burns, C.S.C., Graduate School Award was presented to Gail Bederman, associate professor of history. Bederman is known as an exceptional scholar of women's history and cultural history, teacher, mentor and administrator, and her 1995 book, "Manliness and Civilization," has been called a brilliant work of scholarship by the *Journal of American History* and described as a model for other historians. She has carried her scholarship into the classroom and has helped students apply the innovative methods of gender history in areas far removed from this field, such as environmental history and the history of medicine.

William Ramsey, associate professor of philosophy, was named recipient of the Thomas P. Madden Award for outstanding teaching of freshmen. Considered by his students an energetic lecturer, Ramsey is approachable and accessible inside and outside the classroom and uses humor to make learning a pleasant experience. According to his citation, "his abiding enthusiasm for his discipline prompts a similar interest and excitement in his students."

Librarian Katharina J. Blackstead received the 1998 Rev. Paul J. Foik, C.S.C., Award, which is named for an alumnus who as Notre Dame's librarian from 1912-24 organized and professionalized the University's library. Blackstead was recognized for her contributions to creative fund raising and public relations in service to the University libraries. She also has had critical involvement in building the Libraries' Russian and East European collections.

Robert Rodes, professor of law, and his wife, Jeanne, received the Reinhold Niebuhr Award, which is presented annually to those whose life and teachings "promote or exemplify the theological and philosophical concerns of Niebuhr." Jeanne Rodes is an accomplished poet who for 29 years has taught literature at Saint Mary's College.

A member of the Notre Dame faculty since 1956, Robert Rodes examines in his writings ways in which the Christian tradition of the human spirit can come to life in modern pluralist societies. Virtually all of his extensive scholarship, including six of his eight books, deals with questions of Christian social ethics, particularly as these ethics are brought to bear on the poor and the work of lawyers in modern America. Rodes developed the Group Alternative Live-In Legal Education Experience at the Law School — GALILEE — which has acquainted hundreds of Notre Dame law students with the legal problems of the urban poor in ways impossible to learn in the classroom.

The Grenville Clark Award, honoring members of the community "whose voluntary activities and public service advance the cause of peace and human rights," was presented to Teresa Phelps, professor of law. Current director of the GALILEE program, she has helped budding Notre Dame lawyers to ride with police officers in high-crime areas, meet with public defenders, visit homeless centers and correctional facilities and confront in general the many ways in which law and the lives of the poor meet. Phelps also was rec-

ognized for her work with both the Public Interest Law Foundation and the Women's Legal Forum.

Brother Bonaventure Scully, C.F.X., received the John "Pop" Farley Award, named for the one-time rector of Sorin Hall and presented for exceptional service in student affairs. During his 14-year tenure as rector of Keenan Hall, Scully has emphasized Christian service. One resident said he's "the glue that holds Keenan together; he's the spiritual center of the hall."

The Rev. William A. Toohey, C.S.C., Award, given annually to those whose preaching, writing and example embody the social dimension of the Gospel in a remarkable way, this year is shared by Kathleen Royer, director of Community Partnerships and Service Learning in the Center for Social Concerns, and David Scheidler, C.S.C., assistant rector of Campus Ministry and rector of St. Edwards Hall. Royer was recognized for her years of service dedicated to the improvement of town-gown relationships through student volunteerism. Scheidler was recognized for his natural and creative preaching ability.

Special Presidential Awards, honoring dedicated service to the University, were presented to Jeanne Day, professor of psychology; Dennis Jacobs, associate professor of chemistry and biochemistry; Edward Luther, C.S.C., rector of Corby Hall; Marvin Miller, Clark professor of chemistry and biochemistry; Kathie Newman, professor of physics and associate dean of science; William Nichols, professor of accountancy and associate dean of business administration; Harold Pace, registrar; Michael Sain, Freimann professor of electrical engineering; Don Sniegowski, associate professor of English; Gregory Sterling, associate professor of theology; and Joy Vann-Hamilton, director of the Minority Engineering Program in the College of Engineering.

Provost Awarded an Endowed Chair

Nathan O. Hatch, the University of Notre Dame's provost, has been awarded an endowed faculty chair in history, according to Rev. Edward A. Malloy, C.S.C., the University's president.

While continuing to serve as provost, Hatch now also becomes the Andrew V. Tackes Professor of History, in recognition of his status as one of the most influential scholars in the study of the history of religion in America. His book, "The Democratization of American Christianity," published by Yale University Press in 1989, was called by Professor Gordon Wood of Brown University, "the best book on religion in the early Republic that has ever been written." The book also was chosen in a survey of 2,000 historians and sociologists as one of the two most important books in the study of American religion.

A member of the Notre Dame faculty since 1975, Hatch earlier published "The Sacred Cause of Liberty: Republican Thought and the Millennium in Revolutionary New England," also with Yale University Press. He has edited two books with Oxford University Press and another, "The Professions in American History," with the University of Notre Dame Press.

A summa cum laude graduate of Wheaton College, Hatch earned his master's and doctoral degrees from Washington University in St. Louis. He has held postdoctoral fellowships at Harvard and Johns Hopkins Universities and has been awarded research grants by the National Endowment for the Humanities (NEH), the American Council of Learned Societies, and the American Antiquarian Society.

Since becoming Notre Dame's provost, the University's second ranking officer, in 1996, Hatch has concentrated his efforts in three areas:

- nurturing academic centers of excellence, including expansion of the University's Keough Institute for Irish

Studies and Nanovic Institute for European Studies, the establishment of its Keck Center for Transgene Research, and the enhancement of its Medieval Institute;

- revitalizing undergraduate education through the creation of the Kaneb Center for Teaching and Learning, the Kaneb Teaching Awards, and new opportunities in off-campus and international studies;
- recruiting outstanding faculty.

Hatch has been responsible for a number of major academic appointments, including new deans of the Colleges of Engineering, Arts and Letters, Business Administration, and the Law School, a new chair of the School of Architecture, a new director of libraries, and new assistant provosts for enrollment and academic outreach. He also has launched a new initiative to enhance Catholic intellectual life at Notre Dame with the establishment of the Erasmus Institute, a national center for scholarship informed by Catholic thought.

As vice president for graduate studies and research at Notre Dame from 1989-96, Hatch instilled a vision of "small but superb" postbaccalaureate programs that attracted more and better students to the University, as well as substantial new resources. He served as acting dean of Notre Dame's College of Arts and Letters, its largest academic unit, in 1988-89, and from 1983-88 was the college's associate dean. Also during that time he founded and directed the Institute for Scholarship in the Liberal Arts (ISLA), which fostered a six-fold increase in external funding of faculty in the humanities and social sciences and assisted faculty members in winning 21 NEH fellowships from 1985-91. An achievement that ranked Notre Dame among the top 10 private universities nationally.

Hatch directed graduate studies in the history department from 1980-83, during which time he also was awarded the college's Paul Fenlon Award for excellence in undergraduate teaching.

Faculty Notes

Honors

Alan Dowty, professor of government and international studies, was elected to the Board of Directors for the Association for Israel Studies.

Mark A. Stadtherr, professor of chemical engineering, received the Computing and Chemical Engineering Award from the American Institute of Chemical Engineers, Computing and Systems Technology Division, 1998.

Raimo Väyrynen, professor of government and international studies, received an honorary doctorate in social services at the degree conferment ceremony at the University of Lapland, Finland, June 3-4.

John A. Weber, associate professor of marketing, was named to the Editorial Review Board of the journal *Industrial Marketing Management*.

Activities

Daniel M. Chipman, professional specialist in the radiation laboratory, presented "Volume Polarization in Reaction Field Theory" at the 23rd DOE Solar Photochemistry Conference, Tahoe City, California, June 6-9.

Peter Cholak, assistant professor of mathematics, gave the talk "Some new orbits for the computably enumerable sets" at the University of Chicago Logic Seminar, Chicago, Illinois, May 26.

Daniel J. Costello Jr., professor of electrical engineering, presented the invited lecture "The Genesis of Coding Theory," at the Thompson Consumer Electronics Research Center, Indianapolis, Indiana, June 9.

Alan Dowty, professor of government and international studies, participated as the chair and a discussant at the Special Plenary Session "Meet the Author: Itamar Rabinovich *The Brink of Peace*," at the annual meeting of the Association for Israel Studies, Washington, May 23-25.

William G. Dwyer, Hank professor of mathematics, gave the invited talk "Equivariant Approximation" in a special session on Algebraic Topology held in conjunction with the joint meeting of the American Mathematical Society and the Mexican Mathematical Society, Denton, Texas, May 21.

Teresa Ghilarducci, associate professor of economics and director of the Higgins Labor Research Center, spoke on the topic "Should we Privatize Social Security" to the Detroit Club of the University of Notre Dame's Alumni Association as a Hesburgh Lecturer, May 15. She spoke on "International Trends in Public and Private Pension Schemes" and "The Three Tiers of U.S. Retirement Security: Prospects, Principles, and Peril," sponsored by the Center for Social Science Research, Rome, Italy, May 28.

James A. Glazier, associate professor of physics, was invited to present "Reconstructing Phylogeny from Multifractal Analysis of Mitochondrial DNA Sequences," at the XIII Max Born Symposium, University of Wrocław, Wrocław, Poland, May 26. He presented the invited seminar "How Do Cells Know Where To Go?" at Northeastern University, Center for Interdisciplinary Research on Complex Systems, Boston, Massachusetts, June 8. He presented the invited seminar "Current Developments in Liquid Foams," at the Massachusetts Institute of Technology, Department of Materials Engineering, Cambridge, Massachusetts, June 9.

Denis Goulet, O'Neill Professor in Education for Justice, administered a "module" (15 class hours) on "Ethics of Development" to the Ph.D. interdisciplinary program on The Management of Development (La Gestión del Desarrollo) at the Universidad Nacional Autónoma de Honduras, Tegucigalpa, Honduras, May 12-15. He delivered a public lecture to the Facultad de Medicina (Medical Faculty) of the same university on "Los Estimulos del Desarrollo" (Stimuli to Development), May 14.

Dirk M. Guldi, associate professional specialist in the Radiation Laboratory, presented "Fullerenes: 3-Dimensional Electron Acceptors," at the University of Padova, Padova, Italy, March 8. He presented "New Concepts for Improving Charge Separation in Fullerene Containing Systems" at Universität Bielefeld, Bielefeld, Germany, March 12. He presented "Fullerenes: Electron Accepting Building Blocks in Photoactive Donor-Bridged-Acceptor Dyads" at Chemiedozententagung '99, Oldenburg, Germany, May 15-17. He presented "Charge Separation in Super- and Supra-Molecular Assemblies: Utilization of Fullerenes as Electron Accepting Moieties" at Northwestern University, Evanston, Illinois, May 12. He presented "Fullerenes: Photosensitizer and Electron Accepting Materials" at Northwestern University, Evanston, Illinois, May 13. He presented "Noncovalently Linked, Dynamic Fullerene Porphyrin Dyads. Efficient Formation of Long-Lived Charge Separated States Through Complex Dissociation" at the 23rd DOE Solar Photochemistry Conference, Tahoe City, California, June 6-9.

Jimmy Gurulé, associate dean for academic affairs in the law school, gave an invited lecture on "The Legal Defenses to Criminal and Civil Asset Forfeiture," at the 1999 Economic Crime Summit, sponsored by the National White Collar Crime Center and the National Coalition for the Prevention of Economic Crime, Orlando, Florida, May 10.

Eugene Halton, professor of sociology, presented "Academic Bread and Academic Water: On Rationality" and "Double Visions and the American Tradition: Commentary on Donald Levine's *Visions of the Sociological Tradition*," at the Midwest Sociological Society Meeting, Minneapolis, Minnesota, April 9-10. He presented "Megatechnic America and the Decline of Democracy," "Bereft of Reason," and "Voice of the Harmonica" at the invited public lectures sponsored by English Visiting Writers Series and the Sociology Department, Hillesdale College, Hillesdale, Michigan, April 21-23.

Bei Hu, associate professor of mathematics, gave a colloquium talk "A Stefan Problem for a protocell in biology," at the Department of Mathematics, Write State University, Dayton, Ohio, May 28.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, presented "Role of dye aggregates in the photosensitization of Semiconductor thin films," at the National Institute of Materials and Chemical Research, Tsukuba, Japan, May 18. He presented "Electrochemistry and Photoelectrochemistry of Nanostructured Semiconductor Films," at the 1999 Asian Conference on Electrochemistry, Tokyo, Japan, May 19-21. He presented "Harvesting Light Energy with Dye Aggregates" at the 23rd DOE Solar Photochemistry Conference, Tahoe City, California, June 6-9.

Edward A. Kline, professor of English, was the presider at the session "Innovation and Tradition: Old English and Middle English in Honor of Norman D. Hinton," sponsored by the Medieval Association of the Midwest, 34th International Congress on Medieval Studies, Western Michigan University, Kalamazoo, Michigan, May 9.

Yahya C. Kurama, assistant professor of civil engineering and geological sciences, presented "Precast Concrete Walls with Supplemental Viscous Damping" at the International Workshop on Seismic Isolation, Energy Dissipation and Control of Structures, Guangzhou, China, May 6-8.

Gary A. Lamberti, associate professor of biological sciences, presented the following posters at the Annual Meeting of the North American Benthological Society, Duluth, Minnesota, May 25-28: "Effectiveness of retention ponds at reducing negative impacts of stormwater discharge into streams," "Response of fish communities to restoration of a 3rd-order Indiana stream," and "Investigating potential factors controlling nitrification rates in stream sediments."

Jay A. Laverne, professional specialist in the radiation laboratory, gave a minicourse on radiation chemistry at

the G.T. Seaborg Institute of Los Alamos National Laboratory, Los Alamos, New Mexico, April 19-22. The course consisted of six lectures: Physical Processes, Fundamental Water Radiolysis, Experimental Techniques, Aqueous Solutions, Models, and Special Topics.

David C. Leege, professor of government and international studies, presented the invited lecture "The Politics of Cultural Differences: Disabling the Majority Coalition in Post-New Deal Elections," to the Center for American Political Studies at Harvard University, March 12. He delivered "Ambition, Religion, and Democracy: Will Political and Religious Elites Allow Religion to Unite or Divide Us?" at the Midwest Political Science Association annual convention in Chicago, Illinois, April 16.

George Lopez, professor of government and international studies and fellow in the Kroc Institute for International Peace Studies, presented the written report "The Second Interlaken Seminar on Targeted Financial Sanctions, Interlaken, Switzerland, March 29-31, 1999" to the Secretary of the Sanctions Committees of the United Nations Security Council, May 19. He and **David Cortright**, visiting fellow in the Kroc Institute for International Peace Studies, presented "The Effectiveness of Sanctions: Generalizations, Cases and the Future" for diplomatic members of the United Nations seven major economic sanctions committees. The symposium presentation was sponsored by the Austrian Mission to the United Nations and the International Peace Academy and held at the Austrian Mission in New York City, May 26.

John M. LoSecco, professor of physics, gave the invited talk "Atmospheric Neutrinos: Past Present, and..." at the 23rd Johns Hopkins Workshop on Current Problems in Particle Theory, Neutrinos and the Next Millennium, Johns Hopkins University, Baltimore, Maryland, June 10.

Edward Maginn, assistant professor of chemical engineering, presented "Molecular Modeling as a Design Tool

for Complex Systems: From Zeolite Catalysts to Synthetic Lubricants," at Mobil Technology Company, Strategic Technology Center, Paulsboro, New Jersey, May 19. He presented "Can Molecular Simulations be Used to Design Catalysts and Adsorbents?" at the International Conference on Rational Approaches to New Materials Design and Synthesis, Philadelphia, Pennsylvania, May 21.

Ralph M. McInerney, professor of philosophy, presented "Creating a Mystery Set at Notre Dame," at the South Bend Public Library, South Bend, Indiana, May 25. He presented "Literature and the Mystery Novel," at the Grand Rapids Public Library, Grand Rapids, Michigan, May 26.

Robert P. McIntosh, professor emeritus of biological sciences, presented "The Succession of Succession: Old Ideas Never Die" at A Celebratory Symposium titled "Ecology and the Chicago Region: from Cowles to Chicago Wilderness" at the Field Museum, Chicago, Illinois, April 10.

Don McNeill, C.S.C., professional specialist and executive director for the Center for Social Concerns and concurrent associate professor in theology, presented at the Notre Dame Celebration of the Notre Dame Alumni Club of Staten Island. The theme was "Mission Based Service, Social Concerns and Justice," Staten Island, New York, May 22.

Dan Meisel, director of the radiation laboratory, presented "Fluorescent Probes in the Silica Nanobubble" at the 23rd DOE Solar Photochemistry Conference, Tahoe City, California, June 6-9.

Anthony N. Michel, Frank M. Freimann Professor of Engineering and Matthew H. McCloskey Dean of Engineering Emeritus, presented "Robustness Analysis of a Class of Discrete-Time Systems with Applications to Neural Networks," and "Robustness Analysis of Digital Feedback Control Systems with Time-Varying Sampling Periods," with B. Hu and Z. Feng at the 1999 American Control Conference, San Diego, California,

June 2-4, 1999. At this conference, he and **Panos J. Antsaklis**, professor of electrical engineering, B. Hu, and X. Xu, presented "Robust Stabilizing Control Law for a Class of Second-Order Switched Systems."

Christian Moevs, assistant professor of romance languages, presented "The *Primo Mobile* as a Pot of Time: *Paradiso* 27.115-120" at the meeting of the American Association of Italian Studies in Eugene, Oregon, April 17. He presented "Dante, Cavalcanti, and the *dolce lume*," at the Kentucky Foreign Languages Conference, Lexington, Kentucky, April 24.

Guillermo O'Donnell, Helen Kellogg professor of government and international studies, gave a lecture on "Reflections on Latin America's contemporary democracies" at the University of North Carolina, Chapel Hill, and Cornell University, April. He delivered the paper "Democratic Theory and Comparative Politics," at the Wissenschaftsum, Berlin, May. He delivered the featured closing lecture on a symposium commemorating the 25th anniversary of the Portuguese Revolution, Catholic University of Portugal, Lisbon, May.

Catherine Perry, assistant professor of romance languages and literatures, gave the invited talk "La Sphère de concentration: Fromentin musulman malgré lui," at Congrès International d'Etudes Francophones, Lafayette, Louisiana, May 22-29.

Simon Pimblott, associate professional specialist in the radiation laboratory, presented "Simulation of the Effects on the Yield of Single Strand Breaks in the Radiolysis of Aqueous DNA Solutions" and was the session chair for "High LET Effects" at the 6th International Workshop on Radiation Damage to DNA, University of North Carolina, Chapel Hill, North Carolina, April 17-22. He gave the talk "Simulation of Positron Formation Kinetics in Liquid Hydrocarbons" and presented "How Does the Scavenging of the Precursor to the Hydrated Electron Affect the G(H-2)?" with B. Pastina at the 21st Miller Conference on Radiation Chemistry, Doorwerth, The Netherlands, April 24-29.

Timothy Schatz, research associate in the radiation laboratory, presented "Charge Separation Across the Silica Nanoparticle-Water Interface" at University of Paris, Paris, France, May 21 and at SCM/URA 331 SNRS, Paris, France, May 26.

Patrick J. Schiltz, associate professor of law, was interviewed by Morley Safer about a sexual harassment lawsuit filed against the Jesuits on the CBS news magazine *60 Minutes*, May 9.

Robert P. Schmuhl, professor of American Studies, presented the invited talk "State craft, Stagecraft and Spincraft," at a seminar on "Social Psychology of National and International Politics" at the University of Chicago, May 19. He also discussed "The 2000 Presidential Campaign" on WGN's "Extension 720" in Chicago, Illinois, May 19.

Mark A. Schneegurt, research assistant professor of biological sciences, attended the 99th General Meeting of the American Society for Microbiology in Chicago, Illinois, May 30-June 3 and made three poster presentations: "Polycyclic aromatic hydrocarbon degradation by a novel soil bacterium," and "Characterization of a pyrene-degrading bacterium," with T.E. Beaven and **Charles F. Kulpa Jr.**, professor of biological sciences; "A comparison of several protocols for DNA extraction from soils of different organic contents," with S.Y. Dore, M.A. Kovach, T. Bechert and Charles F. Kulpa.

Billie F. Spencer Jr., professor of civil engineering and geological sciences, presented the paper "Semiactive Building Base Isolation," co-authored with **J.C. Ramallo**, visiting scholar in civil engineering and geological sciences, **E.A. Johnson**, visiting research assistant professor of civil and geological sciences, and **Michael K. Sain**, Friemann professor of electrical engineering, at the American Control Conference, June 2-4.

Mark A. Stadtherr, professor of chemical engineering, gave the invited talk "High Performance Computing: Are We Just Getting Wrong Answers Faster?" at the Computer and Systems

Technology Division Dinner, AIChE Annual Meeting, Miami Beach, Florida, November 15-20, 1998. At this same meeting, he presented: "Reliable Computation of High Pressure Phase Behavior," with R.W. Maier, B. Stradi, G. Xu, and J.F. Brennecke; "Computation of Reactive Azeotropes Using Interval Analysis," with R.W. Maier and J.F. Brennecke; "Global Nonlinear Parameter Estimation Using Interval Analysis: Parallel Computing Strategies," with C.-Y. Gau. He presented "Reliable Process Modeling and Optimization Using Interval Computing," with C.-Y. Gau, R. W. Maier and G. Xu, at the Sixth SIAM Conference on Optimization, Atlanta, Georgia, May 10-12, 1999. He gave the invited talk "Reliable Computation of Phase Behavior Using Interval Methods," with G. Xu, B. Stradi, R.W. Maier, and J.F. Brennecke, and "Advanced in Row Ordering for Frontal Solvers in Process Engineering," with J.A. Scott, at the SIAM Annual Meeting, Atlanta, Georgia, May 12-15, 1999. He presented "Reliable Computation of Solid-Fluid Equilibria Using Interval Analysis," with G. Xu and J.F. Brennecke, at the Midwest Thermodynamics and Statistical Mechanics Conference, Detroit, Michigan, May 17-18, 1999.

Raimo Väyrynen, professor of government and international studies, presented a paper on "Human Security and Predatory Rule" at the Center for Population and Development Studies, Harvard University, Cambridge, Massachusetts, May 27.

Henry M. Weinfield, associate professor of liberal studies, gave the presented lecture "Is a Landscape to a Blind Man's Eye: Gratitude and Irony in William Wordsworth's 'Tintern Abbey,'" at Washington and Lee University, Lexington, Virginia, May 19. He read from his poems and translations and led a seminar on the poetry of George Oppen and William Bronk at Washington and Lee University, Lexington, Virginia, May 20.

Publications

Panos J. Antsaklis, professor of electrical engineering, wrote "Intelligent Control," published in *Encyclopedia of Electrical and Electronics Engineering*. John Wiley & Sons, Inc., vol. 10, 1999, pp. 493-503. He co-authored "On Hybrid Control of Complex Systems: A Survey," with X.D. Koutsoukos and J. Zaytoon, published in *European Journal of Automation, APII-JESA, Journal europeen des systemes automatises*, vol. 32, no 9-10, December 1998, pp. 1023-1045.

Joseph P. Bauer, professor of law, wrote "The Erie Doctrine Revisited: How a Conflicts Perspective Can Aid the Analysis," published in *Notre Dame Law Review*, vol. 74, no. 4, 1999, pp. 1235-1300.

Ian Carmichael, associate professional specialist in the Radiation Laboratory, co-authored " ^{13}C - ^1H and ^{13}C - ^{13}C spin coupling behavior in aldofuranosyl rings from density functional theory," with F. Cloran and **Anthony S. Serianni**, professor of chemistry, published in *The Journal of Physical Chemistry A*, vol. 103, no. 19, 1999, pp. 3783-3795.

Francis J. Castellino, professor of chemistry and biochemistry, co-authored "Expression of Human Plasminogen in *Drosophila* Schneider S2 Cells," with S. Nilsen, published in *Protein Expression and Purification*, vol. 16, 1999, pp. 136-143.

Daniel M. Chipman, professional specialist in the Radiation Laboratory, wrote "Simulation of volume polarization in reaction field theory," published in *Journal of Chemical Physics*, vol. 110, no. 16, 1999, pp. 8012-8018.

Alan Dowty, professor of government and international studies, wrote "Building an international Relations Course Around the *New York Times*," published in S.R. Knowlton and B.A. Barefoot, eds., *Using National Newspapers in the College Classroom: Resources to Improve Teaching and Learning*. Columbia, South Carolina: University of South Carolina Press, 1999, pp. 82-83.

Thomas P. Fehlner, professor of chemistry and biochemistry, co-authored "Designer clusters: synthesis and characterization of $\text{Cp}^*\text{Rh}_2\text{Co}_3(\text{CO})_8\text{B}_3\text{HCl}(\text{Cp}^* = \text{h}^5\text{-C}_5\text{Me}_5)$," with X. Lei and **Maoyu Shang**, research assistant professor of chemistry and biochemistry, published in *Chemical Communications*, 1999, pp. 933-934.

Jeremiah Freeman, professor emeritus of chemistry and biochemistry, co-authored "Unusual C-C Cleavage During Reduction of a B-Aminonitroalkene," with L. Laurean and **Jacob Szmuszkovicz**, adjunct professor of chemistry and biochemistry, published in *Tetrahedron Letters*, vol. 40, 1999, p. 4493.

Bonnie Fremgen, associate professional specialist and co-director of the Center for Ethics and Religious Values in Business, wrote "Prepare your Students for the Interview," published in *PMA*, vol. 32, no. 3, May/June 1999, pp. 22-23.

James A. Glazier, associate professor of physics, co-authored "Hysteresis and avalanches in two-dimensional foam rheology simulations," with Y. Jian, P.J. Swart, A. Saxena, and M. Asipauskas, published in *Physical Review E*, vol. 59, no. 5, 1999, pp. 5819-5832.

Denis Goulet, professor of economics, published "¿Qué es el desarrollo después del posmodernismo?" published in *Revista de Ciencias Sociales*, Nueva Época, Número 6, Enero de 1999, pp. 42-62.

Eugene Halton, professor of sociology, wrote "The Truth About That Quiet Decade," published in *Notre Dame Magazine*, vol. 28, no. 1, 1999, pp. 43-48. He wrote a review of *The Culture of Spontaneity: Improvisation and the Arts in Postwar America* by Daniel Belgrad, published in *Contemporary Sociology*, vol. 28, no. 3, 1999, pp. 323-325.

Sharon Hammes-Schiffer, assistant professor of chemistry and biochemistry, co-authored "Comparison of Sur-

face Hopping and Mean Field Approaches for Moel Proton Transfer Reactions," with J.-Y. Fang, published in *Journal of Chemical Physics*, vol. 110, no. 23, 1999, pp. 11166-11175.

Gordon L. Hug, associate professional specialist in the Radiation Laboratory, co-authored "Intramolecular hydrogen transfer during oxidation of b-hydroxysulfides and a-(methyl) thioacetamide. Pulse radiolysis and flash photolysis studies." With **Krzysztof J. Bobrowski**, visiting scholar in the Radiation Laboratory, **Bronislaw Marciniak**, visiting scholar in the Radiation Laboratory, C. Schöneich, and P. Wisniowski, published in *Research on Chemical Intermediates*, vol. 25, no. 3, 1999, pp. 285-297. He co-authored "Multiple time scales in pulse radiolysis. Application to bromide solutions and dipeptides," with Y. Wang, C. Schöneich, P.-Y. Jiang, and **Richard W. Fessenden**, professor emeritus in the Radiation Laboratory, published in *Radiation Physics and Chemistry*, vol. 43, 1999, pp. 559-566.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, co-authored "Controlling dye (merocyanine-540) aggregation on nanostructured TiO₂ films. An organized assembly approach for enhancing the efficiency of photosensitization," with A.C. Khazraji, **Surat Hotchandani**, visiting scholar in the Radiation Laboratory, and S. Das, published in *The Journal of Physical Chemistry B*, vol. 103, no. 22, 1999, pp. 4693-4700.

A. Eugene Livingston, professor of physics, co-authored "Electron bremsstrahlung in collisions of 223 MeV/u He-like uranium ions with gaseous targets," with T. Ludziejewski, et. al., published in *Journal of Physics B*, vol. 31, 1998, pp. 2601-2609.

Edward Maginn, assistant professor of chemical engineering, co-authored "A Biased Grand Canonical Monte Carlo Method for Simulating Adsorption Using All-Atom and Branched United Atom Models," with M.D. Macedonia, published in *Molecular Physics*, vol. 96, no. 9, 1999, pp. 1375-1390.

Anthony N. Michel, professor of electrical engineering, co-authored "Robustness Analysis of Digital Feedback Control Systems with Time-Varying Sampling Periods," with B. Hu, published in *Proceedings of the 1999 American Control Conference*, San Diego, California, 1999, pp. 3484-3488. He co-authored "Robustness Analysis of a Class of Discrete-time Systems with Applications to Neural Networks," with Z. Feng, published in *Proceedings of the 1999 American Control Conference*, San Diego, California, 1999, pp. 3479-3483. He co-authored "Robust Stabilizing Control Law for a Class of Second-order Switched Systems," with B. Hu, X. Xu, and **Panos Antsaklis**, professor of electrical engineering, published in *Proceedings of the 1999 American Control Conference*, San Diego, California, 1999, pp. 2960-2964. He wrote "Lyapunov Methods," published in J.G. Webster, ed., *Wiley Encyclopedia of Electrical and Electronics Engineering*. New York, New York: John Wiley & Sons, Inc., 1999, vol. 11, pp. 629-639.

Asokendu Mozumder, research professor emeritus of chemistry and biochemistry and in the Radiation Laboratory, wrote "The quasi-ballistic model of electron mobility in liquid hydrocarbons and some of its consequences," published in *Research on Chemical Intermediates*, vol. 25, no. 3, 1999, pp. 243-257.

Guillermo O'Donnell, Helen Kellogg professor of government and international studies, co-edited *Poverty and Inequality in Latin America. Issues and New Challenges*, with Victor Tokman. Notre Dame, Indiana: University of Notre Dame Press, 1998, 245 pages. He wrote the chapter "Poverty and Inequality in Latin America. Some Political Reflections," published in the above book, pp. 49-71. He wrote *Counterpoints. Selected Essays on Authoritarianism and Democratization*. Notre Dame, Indiana: University of Notre Dame Press, 1999, 235 pages. He co-edited *The (Un)Rule of Law and Democracy in Latin America*, with Juan Mendez and Paulo Sergio Pinheiro. Notre Dame, Indiana: University of Notre Dame Press, 1999, 357 pages. He wrote "Polyarchies and the (Un)Rule of Law in Latin America: A Partial Con-

clusion," published in the above book, pp. 303-337. He wrote "Horizontal Accountability and New Polyarchies," in A. Schedler, L. Diamond, and M. Plattner, eds., *The Self-Restraining State. Power and Accountability in New Democracies*. Boulder, Colorado: Lynne Rienner Publishers, 1999, pp. 36-59.

Kenneth F. Ripple, professor of law, wrote "Legal Writing in the New Millennium: Lessons From a Special Teacher and a Special 'Classroom,'" published in *Notre Dame Law Review*, vol. 74, 1999, pp. 925-932. He wrote "Justice Lewis F. Powell, Jr.—A Tribute," in *Notre Dame Lawyer*, vol. 74, 1999, pp. 1055-1060.

W. Robert Scheidt, Warren professor of chemistry and biochemistry, co-authored "Synthesis, Molecular Structures, and Properties of Six-Coordinate [Fe(OEP)(L)(NO)]⁺ Derivatives: Elusive Nitrosyl Ferric Porphyrins" with **Mary K. Ellison**, research associate of chemistry and biochemistry, published in the *Journal of the American Chemical Society*, vol. 121, 1999, pp. 5210-5219.

Peter Schiffer, assistant professor of physics, co-authored "A study of the magnetic and electrical crossover region of La_{0.5±}dMnO₃" with M. Roy, J.F. Mitchell, and A.P. Ramirez, published in *Journal of Physics-Condensed Matter*, vol. 11, 1999, pp. 4843-4859.

Patrick J. Schiltz, associate professor of law, wrote "On Being a Happy, Healthy, and Ethical Member of an Unhappy, Unhealthy, and Unethical Profession," published in *Vanderbilt Law Review*, vol. 52, no. 4, May 1999, pp. 871-951. He also wrote "Provoking Introspection: A Reply to Galanter & Palay, Hull, Kelly, Lesnick, McLaughlin, Pepper, and Traynor," published in *Vanderbilt Law Review*, vol. 52, no. 4, May 1999, pp. 1033-1050.

Rev. Timothy R. Scully, C.S.C., vice president, senior associate provost, and professor of government and international studies, wrote "Las bases Políticas de la liberalización económica en Chile" in *Boletín SAAP que edita la Sociedad Argentina de Análisis Político*, Year 4, No. 7, Spring 1998, pp. 58-78.

Slavi C. Sevov, associate professor of chemistry and biochemistry, co-authored "K₆Pb₈Cd: A Zintl Phase of Oligomers of Pb₄ Tetrahedra Interconnected by CD Atoms," with E. Todorov, published in *Angewandte Chemi International Edition*, vol. 38, pp. 1775-1777.

Michael Signer, professor of theology, wrote "Bundesperneuerung" published in *Das Prisma: Beitrage zu Pastoral, Katechese, und Theologie*, vol. 10, 1999, pp. 23-27. He wrote "An Irresistible Choice: On the Canonization of Edith Stein" published in *Reform Judaism*, spring 1999. He co-authored "Die Domini: The Papal Document on the Sabbath" with L. Hoffman, published in *Worship and Music*, spring 1999.

Billie F. Spencer Jr., professor of civil engineering and geological sciences, co-authored "Smart Isolation for Seismic Control," with **Erik A. Johnson**, visiting research professor in civil engineering and geological sciences, and **Juan C. Ramallo**, visiting scholar in civil engineering and geological sciences, published in *Proceedings of the Pioneering International Symposium on Motion and Vibration Control in Mechatronics*, Waseda University, Tokyo, Japan, April 6-7, 1999, pp. 169-174.

Mark. A. Stadtherr, professor of chemical engineering, co-authored "Matrix Reordering Effects on a Parallel Frontal Solver for Large Scale Process Simulation," with J.U. Mallya, S.E. Zitney, and S. Choudhary, published in *Computers & Chemical Engineering*, vol. 23, 1999, pp. 585-593.

Mark A. Suckow, director of the Freimann Life Science Center, co-authored "Biodegradable Alginate Microspheres as a Delivery System for Naked DNA," with N. Aggarwal, H. HogenEsch, P. Guo, and S.K. Mittal, published in the *Canadian Journal of Veterinary Research*, vol. 63, 1999, pp. 148-152.

Raimo Väyrynen, professor of government and international studies, edited *Globalization and Global Governance*. Lanham, Maryland: Rowman &

Littlefield, 1999, 285 pages. He also wrote "Norms, Compliance and Enforcement in Global Governance," published in R. Väyrynen, ed., *Globalization and Global Governance*. Lanham, Maryland: Rowman & Littlefield, 1999, pp. 25-46.

Thomas S. Vihtelic, research assistant professor of biological sciences, co-authored "Cloning and characterization of six zebrafish photoreceptor opsin cDNAs and immunolocalization of their corresponding proteins," with C. J. Doro and **David R. Hyde**, associate professor of biological sciences, published in *Visual Neuroscience*, vol. 16, 1999, pp. 571-585.

Michael Wiescher, professor of physics, co-authored "Nuclear physics far from stability and explosive nucleosynthesis processes" with K.-L. Kratz, B. Pfeiffer, M. Hannawald, F.-K. Thielemann, J. Görres, and H. Schatz, published in *Estratto da Il Nuovo Cimento*, Vol. IIIA, No. 8-9, 1998, pp. 1043-1054. He co-authored "Breakout from the hot CNO cycle via the $^{18}\text{Ne}(a,p)^{21}\text{Na}$ reaction," with W. Brandfield-Smith, et. al., published in *Physical Review C*, vol. 59, 1999, pp. 3402-3409. He co-authored "Break-out reactions from the CNO cycles," with J. Görres and H. Schatz, published in *Journal of Physics G: Nuclear Particle Physics*, vol. 25, 1999, pp. R133-R161. He co-authored "Investigation of (a,p) reactions using a radioactive beam" with W. Bradfield-Smith, et. al., published in *Nuclear Instruments and Methods in Physics Research A*, vol. 425, 1999, pp. 1-7.

Administrators' Notes

Promotions

Paul A. Kempf has been promoted to director of utilities at the University of Notre Dame.

A 1980 graduate of the University with a bachelor's degree in electrical engineering, Kempf oversees the utility department power plant and distribution systems, which provide the campus with various central utilities including steam, chilled water, electricity and domestic water.

Kempf had previously served as the chief electrical engineer for the University's utility department for 10 years, directing the installation of all new electrical distribution and services. A major renovation of the high voltage distribution system included a new 138 KV, 28 MVA purchase power substation. Additionally, he assisted in the electrical aspects of all major capital projects, including the expansion and renovation of Notre Dame Stadium, the construction of the West Quad, and the renovation of the Main Building.

For nine years after his graduation from Notre Dame, Kempf worked for Koontz Wagner Electric Co. of South Bend, serving as manager of engineering and design in the Custom Controls Division from 1982-89 and as a sales and design engineer from 1980-82.

Kempf is a member of the International Institute of Electrical Engineers and a registered professional engineer. His father, Kenneth R. Kempf, served as the University's director of utilities from 1976-79.

Charles F. Lennon Jr., executive director of the University of Notre Dame's Alumni Association and assistant vice president for University Relations, has been promoted to associate vice president for University Relations.

The surprise announcement of Lennon's promotion was made by Notre Dame's president, Rev. Edward A. Malloy, C.S.C., during the 1999 Alumni Reunion banquet on June 5.

A native of Joliet, Ill., Lennon was graduated from Notre Dame in 1961 and received a master's degree in guidance and counseling from the University in 1962. He was an assistant basketball and baseball coach at Notre Dame until 1967 and also served as the University's coordinator of research and sponsored programs.

From 1967 to 1981, when he was named executive director of the Alumni Association, Lennon was active in numerous community service programs in South Bend. He also was president of the St. Joseph Insurance Agency from 1978-81. He recently completed 13 years of service on the South Bend Community School Board.

In addition to his responsibilities in the Alumni Association, Lennon teaches graduate and undergraduate management courses in Notre Dame's College of Business Administration.

The Alumni Association has earned a national reputation for its innovative programs. It was the first to offer televised interactive continuing education seminars via satellite and has established community service programs which have become models for higher education.

Notre Dame's Alumni Association includes some 100,000 members, most of whom are affiliated with the 220 Notre Dame alumni clubs in the United States and the 22 clubs in other countries.

Douglas K. Marsh has been promoted to director of facilities engineering at the University of Notre Dame.

A 1982 graduate of the University with a bachelor's degree in architecture, Marsh is responsible for the planning, design and construction of new facilities and the operation and expansion of campus utilities.

Marsh had served as a project manager and architect in facilities engineering since 1995, directing projects such as the renovation and addition to Bond Hall, the construction of the Jerry Hank Family Center for Environmental Science, and the conversion of Grace and Flanner Halls.

Before returning to his alma mater, Marsh worked for 10 years for The Troyer Group, Inc., of Mishawaka, Ind. He was vice president and project manager from 1990-95 and a project architect from 1985-90.

After graduating from Notre Dame, Marsh was a graduate architect for Church Growth Services, Inc., of South Bend.

Marsh is registered as an architect in Indiana and certified with the National Council of Architectural Registration Boards. He is a member of the American Institute of Architects and served as president of the Northern Indiana chapter in 1997.

Marsh has volunteered as an advisor on design and construction issues for the Center for the Homeless in South Bend and a board member for the Open Door Pre-School.

Pamela S. Spence, coordinator of special events at the University of Notre Dame, has been promoted to director of special events by William P. Sexton, vice president for University Relations.

She succeeds James V. Gibbons, who also was an assistant vice president for University Relations and is retiring June 30. Gibbons served in various capacities in the athletic department and in the central administration at Notre Dame for more than 43 years. He held overall responsibility for major campus events, ranging from visits by presidents and heads of state to honorary degree recipients.

Spence, a graduate of Clay High School in South Bend, began her Notre Dame career in the personnel office of University Libraries and joined the support staff of public relations in 1980. For the past 17 years she has been assisting Gibbons in planning and executing special events at the University, including visits of four U.S. presidents, numerous building dedications, and the inaugurations of two major development campaigns.

Spence has personally overseen three international events — the activities surrounding the 1996 Notre Dame-

Navy football game in Dublin; the dedication of the Keough-Notre Dame Study Centre, Ireland, last fall, also in Dublin; and the dedication of Marian Kennedy Fischer Hall in London in February.

Honors

Ron A. Athey, assistant director of food services, has been voted into the Foodservice Consultants Society International. FCSI is an organization that promotes professionalism and ethics in food service and hospitality consulting.

Activities

Alan S. Bigger, director of building services, presented two sessions of "Paradigms for success" to the staff of the Vice President for Business Affairs at Ball State University, Muncie, Indiana, May 27.

Richard F. Klee, tax director, presented "Lesson's Learned—1998 Initial Reporting for The Hope and Lifetime Learning Tax Credits," Indianapolis, Indiana, May 24.

Sarah J. Misener, manager, training and development, and **Richard F. Nugent**, director, employee relations, employment, training and development, presented at the College and University Personnel Association's Annual Midwest Regional Meeting on the link between employee relations and training and development, Milwaukee, Wisconsin, May 4.

Rita A. Winsor, director, compensation and benefits, presented at the College and University Personnel Association's Annual Midwest Regional Meeting on implementing a market pricing compensation program in Milwaukee, Wisconsin, May 4.

Jennifer Younger, director of libraries, presented "The Three R's: Roles, Responsibilities, and Reality," at the Indiana Library Federation Annual Conference, Indianapolis, Indiana, April 9.

Publications

Alan S. Bigger, director of building services, co-authored "Maximum Pick-Up" with Linda Bigger, published in *Maintenance Solutions*, May 1999, pp. 34-35. He co-authored "Little Things Mean A Lot" with Linda Bigger, published in *Executive Housekeeper Today*, vol. 20, no. 6, June 1999, pp. 12-13. He co-authored "Under Foot: floor care chemicals hold the keys to better-looking, longer lasting floors" with Linda Bigger, published in *Maintenance Solutions*, June 1999, pp. 5-6.

Awards Received and Proposals Submitted

In the period April 1, 1999, through April 30, 1999.

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	20	2,101,225	21	1,172,452	41	3,273,677
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	20	2,101,225	21	1,172,452	41	3,273,677

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	11	2,183,038	26	4,982,590	37	7,165,628
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	2	2,621,520	2	2,261,520
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>2</u>	<u>446,233</u>	<u>2</u>	<u>446,233</u>
Total	11	2,183,038	30	8,050,343	41	10,233,381

Awards Received

In the period April 1, 1999, through April 30, 1999.

Aerospace and Mechanical Engineering

Thomas J. Mueller

Indiana Space Grant
Purdue University
\$40,000 12 months

Flint O. Thomas, Robert C. Nelson

Wake Development and Structure in Adverse Pressure
Gradient
NASA - National Aeronautics and Space Administration
\$56,154 12 months

Art, Art History and Design

Robin Rhodes

Reconstructing the Early Temple of Apollo at Corinth
American School of Classical Studies
\$30,000 12 months

Biological Sciences

John G. Duman

Proprietary Info Agreement - Antifreeze Protein Research
CMI - 21st Century Medicine, Inc.
\$6,250 12 months

Frank H. Collins

Subgrant under NIH Grant No. 5R21 AI43053-01
Yale University
\$38,356 12 months

Scott D. Bridgman

Response to Climate Change in Peatlands
NSF - National Science Foundation
\$275,000 36 months

Environment Gradients Structuring Peatland Communities
NSF - National Science Foundation
\$80,000 48 months

Paul R. Grimstad

Invasion of an Urban La Crosse Focus by *Aedes albopictus*
University of Illinois at Urbana-Champaign
\$14,630 36 months

John G. Duman

Proprietary Info Agreement - Antifreeze Protein Research
CMI - 21st Century Medicine, Inc.
\$6,250 12 months

Civil Engineering and Geological Sciences

Robert B. Fleischman

REU Supplement
NSF - National Science Foundation
\$8,400 48 months

Industrial Match Contribution to NSF CAREER #CMS97-33162

EMI - Engineering Methods Inc.
\$6,000 44 months

Industrial Match Contribution to NSF CAREER #CMS97-33162

MSFI - McGovern Steel Fabricators, Inc.
\$17,935 44 months

CAREER

National Science Foundation
\$25,000 48 months

Yahya C. Kurama

Career: Passive Energy Dissipation in Precast Buildings
NSF - National Science Foundation
\$50,000 12 months

Ahsan Kareem

Research Participation in Wind Conference
NSF - National Science Foundation
\$31,975 12 months

Chemistry and Biochemistry

Sharon Hammes-Schiffer

Simulation of Proton and Hydride Transfer in Enzymes
NIH - National Institutes of Health
\$151,334 24 months

Bradley D. Smith

Rationally Designed Promoters & Inhibitors of Membrane
Fusion
NIH - National Institutes of Health
\$191,371 12 months

Paul W. Huber

Protein Binding Domains on Eukaryotic 5S rRNA and
rDNA
NIH - National Institutes of Health
\$226,535 12 months

Computer Science and Engineering

Danny Z. Chen

Advanced Routing Concepts
Lockheed Martin Corporation
\$25,000 15 months

Nikos Chrisochoides

Crack Propagation on Teraflop Computers
Cornell University
\$57,425 36 months

Electrical Engineering**Thomas E. Fuja**

Performance of Fed Std Vocoders in Multimedia Networks
Department of Defense
\$23,000 6 months

Channel Coding for Compressed Signals
NSF - National Science Foundation
\$217,609 30 months

Patrick J. Fay

CAREER: Micromachining of GaN
NSF - National Science Foundation
\$200,000 48 months

Daniel J. Costello

Error Control Coding Techniques
NASA - National Aeronautics and Space Administration
\$50,000 12 months

Yih-Fang Huang

SMF for High Performance Communication Systems
NSF - National Science Foundation
\$20,994 24 months

English**Sonia G. Gernes**

Creative Writing Fellowship
NEA - National Endowment for the Arts
\$20,000 19 months

Government and International Studies**Martha Merritt**

Sources of Strength for Weak Institutions: Russian State
Duma
International Research Exchanges Board
\$2,975 2 months

History**Gregory E. Dowd**

Rushing Water: The Native American East, 1524-1815
Newberry Library
\$30,000 11 months

Romance Languages and Literatures**Dominic R. Thomas**

Official Francophone Literature
Cornell University
\$30,000 12 months

Encarnación Juárez

The Role of Clothing & Body Adornment in 17th Century
Spain
NEH - National Endowment for the Humanities
\$4,000 5 months

Mathematics**William G. Dwyer, Laurence R. Taylor, et al.**

Algebraic and Geometric Topology
NSF - National Science Foundation
\$73,700 24 months

Music**Mary E. Frandsen**

Summer Stipend
NEH - National Endowment for the Humanities
\$4,000 2 months

Physics**Walter R. Johnson**

Relativistic Atomic Structure Theory
NSF - National Science Foundation
\$80,000 12 months

David P. Bennett

MACHO Project Research
University of California at Berkeley
\$36,000 36 months

Grant J. Mathews

Nuclear Properties at Extreme Density, Temperature and
Spin
Department of Energy
\$128,000 12 months

Randal C. Ruchti, Mitchell R. Wayne, et al.

Experimental Particle Physics with Colliding Beams
NSF - National Science Foundation
\$450,000 24 months

James A. Glazier

NSF Supplement for REU for Grant CTS-9601691
NSF - National Science Foundation
\$5,000 36 months

Jacek K. Furdyna

Neutron Scattering Studies of Magnetic Semiconductors
NSF - National Science Foundation
\$85,000 24 months

Psychology**Steven M. Boker**

Dynamic Postural Equilibrium
 NIH- National Institutes of Health
 \$126,211 12 months

David A. Cole

Competency-Based Model of Child Depression
 NIH- National Institutes of Health
 \$229,587 12 months

John G. Borkowski, Thomas L. Whitman

Research Training in Mental Retardation
 NIH- National Institutes of Health
 \$119,986 12 months

Proposals Submitted

In the period April 1, 1999, through April 30, 1999.

Aerospace and Mechanical Engineering**Mihir Sen**

Pan American Studies Institutes
 National Science Foundation
 \$59,925 12 months

Eric J. Jumper

High Cycle Fatigue
 US Air Force Academy
 \$35,000 12 months

Flint O. Thomas, Robert C. Nelson

High Lift Flight Test Fixture
 NASA - National Aeronautics and Space Administration
 \$8,796 3 months

Anthropology**Susan Guise Sheridan**

Let Us Go to the House of the Lord
 American Philosophical Society
 \$5,000 1 months

Art, Art History and Design**Charles Barber**

Memory and Desire: The Limits of Representation in
 Iconoclasm
 NEH - National Endowment for the Humanities
 \$30,000 12 months

Biological Sciences**David W. Severson**

Population Genetics of *Aedes aegypti* in the West Indies
 NIH - National Institutes of Health
 \$22,100 12 months

Harvey A. Bender

Human Genetics Program - Regional Genetics Center
 Indiana State Department of Health
 \$52,000 12 months

RFLP Mapping of Plasmodium Refractory Genes in
 Mosquitos

NIH - National Institutes of Health
 \$223,473 12 months

John H. Adams

Expression and Immunogenicity of Plasmodium
 Falciparum MAEBL
 WHO - World Health Organization
 \$52,000 12 months

Elizabeth D. Eldon

Drosophila Immunity-Genetic Analysis of Cellular Signals
 National Science Foundation
 \$4,875 3 months

Civil Engineering and Geological Sciences**Billie F. Spencer Jr.**

3-D Shaking Table Investigation of Methodology for
 Analysis
 George Washington University
 \$66,494 36 months

Chemical Engineering**Albert E. Miller**

Nanostructural Waveguide
 Echem Innovations, Inc.
 \$20,000 6 months

Quantum Dot Flat Panel Displays

Echem Innovations, Inc.
 \$35,000 6 months

Disposable Quantum Wire Probes for Detection of Bio
 Agents

Echem Innovations, Inc.
 \$32,000 6 months

John F. Brennecke, Mark J. McCready, et al.

Integrating Business and Ethics into Ph.D. Education
 NSF - National Science Foundation
 \$2,492,400 60 months

Chemistry and Biochemistry

Francis J. Castellino

Structure-Function Studies on Plasminogen and Plasmin
NIH - National Institutes of Health
\$429,457 12 months

Computer Science and Engineering

Peter M. Kogge, Jay B. Brockman

PIM Designs for DIVA: Data Intensive Architecture
USC - University of Southern California
\$937,416 24 months

Electrical Engineering

Gary H. Bernstein

REU Supplement "From Bits to Chips"
NSF - National Science Foundation
\$6,188 3 months

Daniel J. Costello, Oliver Collins, et al.

Receiver Design for Error Control/Interference Mitigation
NSF - National Science Foundation
\$885,748 36 months

Government and International Studies

Martha Merritt

Sources of Strength for Weak Institutions: Russian State
Duma
International Research Exchanges Board
\$2,975 1 months

History

Gregory E. Dowd

Rushing Water: The Native American East, 1524-1815
Newberry Library
\$30,000 11 months

East Asian Languages and Literatures

Xiaoshan Yang

The Urban Garden in Tang-Song Poetry
NEH - National Endowment for the Humanities
\$30,000 12 months

Romance Languages and Literatures

Encarnación Juárez

The Role of Clothing and Body Adornments in 17th
Century Spain
NEH - National Endowment for the Humanities
\$4,000 2 months

Dominic R. Thomas

Official Francophone Literature
Cornell University
\$30,000 12 months

Music

Samir Youéns

The Late Songs of Franz Schubert
NEH - National Endowment for the Humanities
\$30,000 12 months

OSIPA—Office of Special Instructional Projects and Activities

Mario Borelli

CANDAX McNAIR
Department of Education
\$205,557 12 months

Philosophy

James P. Sterba

Practical Ethics
NEH - National Endowment for the Humanities
\$30,000 2 months

Physics

Terrence W. Rettig

Understanding the Structure of Comet Fragments
NSF - National Science Foundation
\$83,262 24 months

James J. Kolata

ROA Supplement
NSF - National Science Foundation
\$10,355 1 months

Randal C. Ruchti

USCMS Project - Education and Outreach
Fermi National Lab
\$43,848 12 months

James A. Glazier

Instabilities in Flowing Foams
Department of Energy
\$163,386 24 months

Program of Liberal Studies

G. Felicitas Munzel

Wisdom and Pedagogy: Theory and Praxis of Kant's
Philosophy
NEH - National Endowment for the Humanities
\$30,000 12 months

Psychology**E. Mark Cummings**

Evaluating the K.I.D.S. Divorce Intervention
 NIH - National Institutes of Health
 \$27,000 12 months

John G. Borkowski, Thomas L. Whitman, et al.

Precursors of Retardation in Children with Teen Mothers
 NIH - National Institutes of Health
 \$241,176 12 months

Thomas V. Merluzzi

Refinement of the Cancer Behavior Inventory
 NIH - National Institutes of Health
 \$73,109 12 months

Radiation Laboratory**Prashant V. Kamat**

Radiolytic Effects on Sorption & Reaction of Organic
 Materials
 Department of Energy
 \$728,088 36 months

Theology**Rev. Michael S. Driscoll, Susan Guise Sheridan**

A Biocultural Study of Urban Monasticism: Material
 Culture
 Association of Theological Schools
 \$5,000 3 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS**Biological Sciences****Gary A. Lamberti, David M. Lodge, et al.**

Integration in Environmental Science
 National Science Foundation
 \$2,591,520 60 months

Romance Languages and Literatures**Theodore J. Cachey Jr.**

Teachers as Scholars
 Woodrow Wilson National Fellowship Foundation
 \$30,000 36 months

PROPOSALS FOR OTHER PROGRAMS**Educational Talent Search****Warren G. Outlaw, Stephanie M. Steward, et al.**

DIVAS Project
 Community Foundation of St. Joseph County
 \$387,733 48 months

Office of the Executive Vice President**James A. Roemer**

National Youth Sports Program
 NCAA - National Collegiate Athletics Association
 \$58,500 12 months

Awards Received and Proposals Submitted

In the period May 1, 1999, through May 31, 1999.

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	13	1,880,174	18	1,167,692	31	3,047,866
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	2	4,561	2	4,561
Other Programs	<u>2</u>	<u>127,750</u>	<u>0</u>	<u>0</u>	<u>2</u>	<u>127,750</u>
Total	15	2,007,924	20	1,172,253	35	3,180,177

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	84,862	19	4,238,291	21	4,238,153
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	1	6,000	1	6,000
Service Programs	0	0	1	60,000	1	60,000
Other Programs	<u>1</u>	<u>321,538</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>321,538</u>
Total	3	406,400	21	4,304,291	24	4,710,691

Awards Received

In the period May 1, 1999, through May 31, 1999.

Aerospace and Mechanical Engineering

Hafiz M. Atassi

Hydrodynamics and Acoustics in Nonuniform Flows
Department of the Navy
\$50,000 12 months

Robert C. Nelson

Asymmetric Wing Stall
Department of the Navy
\$34,184 29 months

Eric J. Jumper

Potential Disturbances in Turbomachinery
Department of the Air Force
\$100,000 7 months

Steven B. Skaar

A Control Strategy for Holonomic/Nonholonomic Robot Systems
Yoder Software Inc.
\$50,000 24 months

Biological Sciences

David R. Hyde

Genetic Model of Neuronal/Neuromuscular Dysfunction
March of Dimes Birth Defects
\$74,696 12 months

David M. Lodge

Waterfowl Herbivory
Institute for Wetland and Waterfowl Research
\$14,000 24 months

John G. Duman, Michelle A. Murphy

REU Site Program for Undergraduate Research
NSF - National Science Foundation
\$50,085 12 months

Scott D. Bridgham

Research Experiences for Undergraduates Supplement
NSF - National Science Foundation
\$5,000 36 months

Paul R. Grimstad

Arbovirus Surveillance Laboratory Service
Indiana State Department of Health
\$31,822 12 months

David W. Severson

RFLP Mapping of Plasmodium Refractory Genes in Mosquitoes
NIH - National Institutes of Health
\$223,962 12 months

Gary A. Lamberti

Effect of Stormwater Filters on Stream Temperature
SJCDB - St. Joseph County Drainage Board
\$11,742 12 months

Elizabeth D. Eldon

Drosophila Immunity-Genetic Analysis of Cellular Signals
NSF - National Science Foundation
\$4,375 24 months

Civil Engineering and Geological Sciences

Billie F. Spencer Jr., Michael K. Sain, et al.

Smart Damping for Seismic Protection
NSF - National Science Foundation
\$125,000 12 months

Clive R. Neal

Ocean Drilling Program
TAMRF - Texas A & M Research Foundation
\$3,000 15 months

Jeremy B. Fein

Colloid Transport of Groundwater Contaminants
Sandia National Laboratories
\$15,000 3 months

Peter C. Burns

CCD X-ray Detectors Applied to Mineral Structure Analysis
NSF - National Science Foundation
\$49,800 24 months

REU Supplement

NSF - National Science Foundation
\$6,125 24 months

Jeremy B. Fein

Experimental Study of Bacteria-mineral Adsorption Reactions
ACS - American Chemical Society
\$60,000 24 months

Chemistry and Biochemistry

Mary Prorok

Interaction of Conantokin with the NMDA Receptor
AHA - American Heart Association
\$150,000 36 months

W. Robert Scheidt

X-Ray and Chemical Studies of Metalloporphyrins
NIH - National Institutes of Health
\$302,932 12 months

Marvin J. Miller

Consulting Program for 1999
Eli Lilly Company
\$25,000 12 months

Bradley D. Smith

Carboxylate Salt Receptors
 NSF - National Science Foundation
 \$300,000 36 months

Francis J. Castellino

Characterization of NMDA Receptor Antagonism by
 Conantokins
 AHA - American Heart Association
 \$45,000 24 months

Electrical Engineering**Gregory L. Snider, Craig S. Lent**

Quantum-dot Cellular Automata
 Semiconductor Research Corporation
 \$35,000 12 months

Ken D. Sauer

Nonhomogeneous & Nonlinear Tomographic Estimation
 NSF - National Science Foundation
 \$91,958 36 months

Mathematics**Steven A. Buechler**

General Frameworks for Classification Theory
 NSF - National Science Foundation
 \$33,185 36 months

Physics**David P. Bennett**

Detection of Extra-Solar Planets
 NASA - National Aeronautics and Space Administration
 \$50,000 24 months

Uri Sarid

Supersymmetry and Unification: Gauge Mediation and
 Beyond
 NSF - National Science Foundation
 \$26,000 24 months

James J. Kolata, Ani Aprahamian, et al.

Nuclear Structure Research
 NSF - National Science Foundation
 \$1,055,000 12 months

Theology**Rev. Michael S. Driscoll, Susan Guise Sheridan**

A Biocultural Study of Urban Monasticism: Material
 Culture
 Association of Theological Schools
 \$5,000 12 months

Eugene C. Ulrich, James C. VanderKam

The Publication of Four Volumes of Dead Sea Scrolls
 NEH - National Endowment for the Humanities
 \$20,000 25 months

AWARDS FOR SERVICE PROGRAMS**ND Center for Pastoral Liturgy****Sr. Eleanor Bernstein, C.S.J.**

Center for Pastoral Liturgy
 Various Others
 \$1,325 1 months

Center for Pastoral Liturgy

Various Others
 \$3,236 1 months

AWARDS FOR OTHER PROGRAMS**Aerospace and Mechanical Engineering****John W. Lucey**

Industrial Assessment Center Program
 Rutgers University
 \$113,050 12 months

Physics**Albert-László Barabási**

Driven Interfaces in Random Media
 NSF - National Science Foundation
 \$14,700 36 months

Proposals Submitted

In the period May 1, 1999, through May 31, 1999.

Aerospace and Mechanical Engineering**John E. Renaud**

Managing Complexity in Advanced Vehicle Design
 National Science Foundation
 \$657,874 36 months

Hafiz M. Atassi

Coupling Technologies
 University of Colorado
 \$353,152 36 months

Joseph M. Powers

Modelling Combustion with ILDM
 Los Alamos National Laboratory
 \$109,456 36 months

Biological Sciences**Gary A. Lamberti**

Exotic Species in the Great Lakes
University of Illinois at Urbana-Champaign
\$116,535 24 months

Paul R. Grimstad

St. Joseph County Mosquito Surveillance Program
St. Joseph County Health Department
\$30,000 8 months

Frederick W. Goetz Jr.

Cloning and Expressing Perch Growth Hormone
University of Illinois at Urbana-Champaign
\$79,295 24 months

John H. Adams

Plasmodium Falciparum MAEBL as a New Candidate
Vaccine
NIH - National Institutes of Health
\$306,025 12 months

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

Geochemical Evolution of the Moon
NASA - National Aeronautics and Space Administration
\$54,862 12 months

Stephen E. Silliman, Charles F. Kulpa, et al.

Flow, Chemical Transport and Microbial Transport
NSF - National Science Foundation
\$315,906 36 months

Jeremy B. Fein

Colloid Transport of Groundwater Contaminants
Sandia National Laboratories
\$15,000 4 months

Stephen E. Silliman

Flow and Transport in the Capillary Fringe
NSF - National Science Foundation
\$222,718 36 months

Chemistry and Biochemistry**A. Graham Lappin**

Simulation and Computational Studies of Membranes
Camille and Henry Dreyfus Foundation, Inc.
\$25,000 60 months

Richard E. Taylor

Conformation-Activity Relationships
NIH - National Institutes of Health
\$182,875 12 months

Freimann Life Science Center**Mark A. Suckow**

Animal Facility Improvement
NIH - National Institutes of Health
\$261,662 12 months

GEM Program - National Consortium for Graduate Degrees for Minorities in Engineering and Science**Sheila Scott**

NASA MS Launch Pad to Research
NASA - National Aeronautics and Space Administration
\$778,000 24 months

History**John T. McGreevy**

Thinking on One's Own
Louisville Institute
\$50,042 12 months

German & Russian Languages and Literatures**Jan Luder Hagens**

The Drama of Reconciliation
NEH - National Endowment for the Humanities
\$30,000 12 months

Physics**Bruce A. Bunker**

Real-Time Instrument Control for Scientific Collaborations
University of Florida
\$120,000 36 months

Supernovae and the Universe

NASA - National Aeronautics and Space Administration
\$462,467 60 months

Science**Victoria Ploplis**

Pathobiology of Hemostasis Gene Knock-Out Mice
NIH - National Institutes of Health
\$81,680 12 months

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

Residential Enclaves and Health
NIH - National Institutes of Health
\$70,604 12 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Civil Engineering and Geological Sciences**Billie F. Spencer Jr.**

Instructional Shake Tables

George Washington University

\$6,000

24 months

PROPOSALS FOR SERVICE PROGRAMS

Educational Initiative**Rev. Timothy R. Scully, C.S.C., George M. Pressley, et al.**

Rethinking Notre Dame's Presence in Inner City Schools

MCJ Foundation

\$60,000

12 months

PROPOSALS FOR OTHER PROGRAMS

Educational Talent Search**Warren G. Outlaw, Myrtie M. Coleman**

Educational Talent Search

Department of Education

\$321,538

12 months

Awards Received and Proposals Submitted

In the Period June 1, 1999, through June 30, 1999.

AWARDS RECEIVED

Category	No.	Renewal Amount	No.	New Amount	No.	Total Amount
Research	14	1,680,118	23	1,742,303	37	3,422,421
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	381,229	1	50,000	2	431,229
Service Programs	0	0	2	2,455	2	2,455
Other Programs	<u>0</u>	<u>0</u>	<u>1</u>	<u>58,500</u>	<u>1</u>	<u>58,500</u>
Total	15	2,061,347	27	1,853,258	42	3,914,605

PROPOSALS SUBMITTED

Category	No.	Renewal Amount	No.	New Amount	No.	Total Amount
Research	8	760,848	27	4,422,221	35	5,183,069
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	0	0	0	0
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	8	760,848	27	4,422,221	35	5,183,069

Awards Received

In the period June 1, 1999, through June 30, 1999,

Aerospace and Mechanical Engineering

Flint O. Thomas, Robert C. Nelson

High Lift Flight Test fixture
NASA - National Aeronautics and Space Administration
\$8,796 3 months

Frank Incropera

Heat Transfer in Difficult-to-Machine Materials
Purdue University
\$33,063 24 months

Eric J. Jumper

High Cycle Fatigue
US Air Force Academy
\$35,000 12 months

Samuel Paolucci, Joseph M. Powers

A Novel Computational Approach to Combustion
Modelling
NSF - National Science Foundation
\$82,000 36 months

Anthropology

Joanne Mack

Archaeological Summer Field School
BLM - Bureau of Land Management
\$7,750 4 months

Cultural Resource Survey and Evaluation
PacifiCorp
\$6,521 32 months

Biological Sciences

Alan Johnson

Physiological Mediators of Granulosa Cell Apoptosis
NIH - National Institutes of Health
\$157,925 12 months

Physiological Mediators of Granulosa Cell Apoptosis
NIH - National Institutes of Health
\$29,493 24 months

Gary A. Lamberti

Aquatic Production in Kissimmee River Floodplain System
FAU - Florida Atlantic University
\$10,000 48 months

JoEllen Jones Welsh

Vitamin d and Osteoblast Apoptosis
Department of Agriculture
\$225,000 36 months

Elizabeth D. Eldon

Signaling Pathways in Insect Immunity: the Role of 18-wheeler
NSF - National Science Foundation
\$114,649 36 months

John G. Duman

Proprietary Info Agreement - Antifreeze Protein Research
(Check 613)
CMI - 21st Century Medicine, Inc.
\$6,250 24 months

Proprietary Info Agreement - Antifreeze Protein Research
(Check 786)
CMI - 21st Century Medicine, Inc.
\$6,250 24 months

David R. Hyde

Vertebrate Models of Dominant rdgB Mutations
Foundation Fighting Blindness
\$222,895 36 months

Joseph E. O'Tousa

Genetic Analysis of Retinal Degeneration
NIH - National Institutes of Health
\$273,782 12 months

Martin Tenniswood, JoEllen Jones Welsh

Control of Apoptosis by IFG-1 in Prostate and Breast
NIH - National Institutes of Health
\$172,650 12 months

Civil Engineering and Geological Sciences

Joannes J. Westerink

ADCIRC-NO Hurricane Forecasting Model
US Army Corps of Engineers
\$200,000 12 months

Robert B. Fleischman

Contribution Check 478
PP Concrete Institute
\$500 12 months

Chemical Engineering

Edward J. Maginn

Molecular Simulations in Engineering Education and Research
NSF - National Science Foundation
\$75,000 36 months

Albert Miller

Computational Architectures: Theory and Experiment
Purdue University
\$101,137 24 months

Arvind Varma

Inorganic Membranes: Design, Optimization and Reaction Studies

NSF - National Science Foundation
\$309,137 36 months**Chemistry and Biochemistry****Francis J. Castellino**

Structure-Function Studies on Plasminogen and Plasmin

NIH - National Institutes of Health
\$429,457 12 months**Computer Science and Engineering****Xiabo Hu**

Performance Analysis and Tradeoff for Design Exploration

NSF - National Science Foundation
\$100,000 48 months**Electrical Engineering****Gary H. Bernstein**

REU Supplement "From Bits to Chips"

NSF - National Science Foundation
\$6,188 36 months**Patrick J. Fay**

REU Supplement to DUE98-50988

NSF - National Science Foundation
\$5,500 24 months**Government and International Studies****Christina Wolbrecht**

Collaborative Research on Women's Voting Behavior

NSF - National Science Foundation
\$744,013 24 months**Jacques Maritain Center****Ralph M. McNerny**

Bradley Fellows Program 1999-2000

Lynde & Harry Bradley Foundation
\$30,000 12 months**Mathematics****George McNinch**

Modular Algebraic Representation Theory

NSF - National Science Foundation
\$63,000 36 months**Qing Han**

Sloan Research Fellowship

Sloan Foundation
\$35,000 24 months**Physics****Terrence W. Rettig**

REU Site Program for Physics at Notre Dame 1996-2000

NSF - National Science Foundation
\$64,000 48 months

REU Program in Physics 1999

NSF - National Science Foundation
\$13,193 48 months**Steven T. Ruggiero**

Single Electron Tunneling

Department of Energy
\$48,696 12 months**Jacek K. Furdyna, Albert-László Barábasi**

Self-Organized Superlattice Formation in Semiconductors

Department of Energy
\$122,625 12 months**Psychology****Gabriel Radvansky**

Working Memory Influences on Long-Term Memory

Department of the Army
\$19,000 36 months**John G. Borkowski, Thomas L. Whitman, et al.**

Precursors of Retardation in Children with Teen Mothers

NIH - National Institutes of Health
\$228,951 12 months**Theology****Eugene C. Ulrich, James C. VanderKam**

Publication of Four Volumes of Dead Sea Scrolls

NEH - National Endowment for the Humanities
\$105,000 24 months**AWARDS FOR INSTRUCTIONAL PROGRAMS****OSIPA—Office of Special Instructional Projects
and Activities****Dorine Blake-Smith**

Upward Bound

Department of Education
\$381,229 12 months**Psychology****John G. Borkowski**

"How Parents Matter"

Robert Wood Johnson Foundation
\$50,000 6 months

AWARDS FOR SERVICE PROGRAMS

ND Center for Pastoral Liturgy

Sr. Eleanor Bernstein, C.S.J.

Center for Pastoral Liturgy

Various Others

\$1,980

1 month

Center for Pastoral Liturgy

Various Others

\$475

1 month

AWARDS FOR OTHER PROGRAMS

Office of Executive Vice President

James A. Roemer

National Youth Sports Program

NCAA - National Collegiate Athletics Association

\$58,500

12 months

Proposals Submitted

For the period June 1, 1999, through June 30, 1999.

Aerospace and Mechanical Engineering

Hafiz M. Atassi

Unsteady Swirling Flow in Cascade

Department of the Navy

\$35,000

12 months

Sound Generation and Propagation

NASA - National Aeronautics and Space Administration

\$261,036

36 months

Edumundo Corona

Collapse of Cracked Plates Under Biaxial Loading

NASA - National Aeronautics and Space Administration

\$21,216

4 months

Thomas C. Corke, Flint O. Thomas

Enhanced Design of Turbojet LPT

NASA - National Aeronautics and Space Administration

\$349,986

36 months

Biological Sciences

Jeffrey Schorey

Mycobacterial Pathogenesis and the Complement

American Heart Association

\$257,800

48 months

John H. Adams

Analysis of MAEBL Gene Expression in Malaria Parasites

Burroughs Wellcome fund

\$15,000

6 months

Crislyn D'Souza-Schorey

ARFG in Cell Proliferation

Charles E. Culpeper Foundation

\$25,000

12 months

Patricia S. Vaughan

Regulation of Cytoplasmic Dynein-Mediated Targeting

American Heart Association

\$260,000

48 months

Civil Engineering and Geological Sciences

Stephen E. Silliman

LGE for Wellhead Protection

EPA - Environmental Protection Agency

\$76,718

24 months

Lloyd H. Ketchum Jr.

SBR Operations of Rural Wastewater Wetlands

EPA - Environmental Protection Agency

\$211,140

24 months

Joannes J. Westerink

ADCIRC-NO Hurricane Forecasting Model

US Army Corps of Engineers

\$409,768

12 months

Billie F. Spencer Jr., Yahya C. Kurama

Supplement for Activities in Japan

NSF - National Science Foundation

\$15,400

15 months

Billie F. Spencer Jr.

Supplement for Activities in the People's Republic of China

NSF - National Science Foundation

\$7,500

36 months

Chemistry and Biochemistry

Paul M. Helquist

Cytotoxic Macrolides: Chemical and Biological Studies

NIH - National Institutes of Health

\$360,889

12 months

W. Robert Scheidt

X-Ray and Chemical Studies of Metalloporphyrins

NIH - National Institutes of Health

\$351,873

12 months

Elliot D. Rosen

Effects of Moderate Variation of Hemostatic Factors

American Heart Association

\$214,500

12 months

Francis J. Castellino

Structure-Function Studies of Plasminogen and Plasmin
NIH - National Institutes of Health
\$407,062 12

Victoria Ploplis

Pathological Consequences of the Plasminogen System
NIH - National Institutes of Health
\$68,176 12 months

Electrical Engineering**Patrick J. Fay**

High Power InGaP PHEMT
Kopin Corporation
\$10,500 24 months

English**Cyraina E. Johnson-Roullier**

Invisible Wo/Men: Modernity, Pan-Africanism, Literary
Renaissa
Ford Foundation
\$35,500 12 months

History**D'arcy J.D. Boulton**

Medieval Principalities of France
NEH - National Endowment for the Humanities
\$247,379 36 months

ND Center for Business Communication**Carolyn Miller**

The CDC Online Alert System: A Feasibility Study
CDC - Centers for Disease Control
\$146,171 24 months

Office of Information Technologies**Nazareno L. Rapagnani**

High Performance Connection to the Internet vBNS
(Supplement)
NSF - National Science Foundation
\$41,400 12 months

Physics**David P. Bennett**

The Microlensing Planet Search Project
NASA - National Aeronautics and Space Administration
\$510,443 36 months

Microlensing Planet Search with a Fast Guiding Camera
NASA - National Aeronautics and Space Administration
\$50,000 12 months

James J. Kolata

ROA Award Supplement
NSF - National Science Foundation
\$7,770 1 month

Randal C. Ruchti, Neal M. Cason, et al.

Experimental Particle Physics QuarkNet
NSF - National Science Foundation
\$250,000 15 months

Albert-László Barabási

Morphology of Ion Bombarded Surfaces
NSF - National Science Foundation
\$18,072 36 months

A. Eugene Livingston

Atomic Structure of Highly Charged Uranium Ions
NSF - National Science Foundation
\$26,907 36 months

Terrence W. Rettig

Understanding Physical Structure of Comets
NASA - National Aeronautics and Space Administration
\$132,440 24 months

Umesh Garg

Nuclear Incompressibility and Exotic Compressional
Modes
NSF - National Science Foundation
\$41,940 36 months

H. Gordon Berry

Spectroscopic Studies
NSF - National Science Foundation
\$19,521 24 months

Psychology**Michael J. Wenger**

Dynamic Models for Latency-Accuracy Relations in
Memory
NIH - National Institutes of Health
\$67,363 12 months

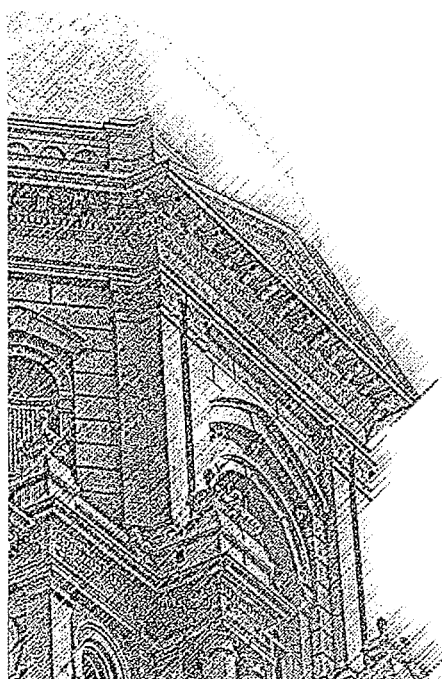
John G. Borkowski

Head Start: Head Start Act as Amended
Department of Health and Human Services
\$15,000 12 months

South Bend Center for Medical Education**Edward E. McKee**

Mitochondrial Transport and Metabolism of Nucleoside
Analogues
Indiana University School of Medicine
\$214,500 48 months

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