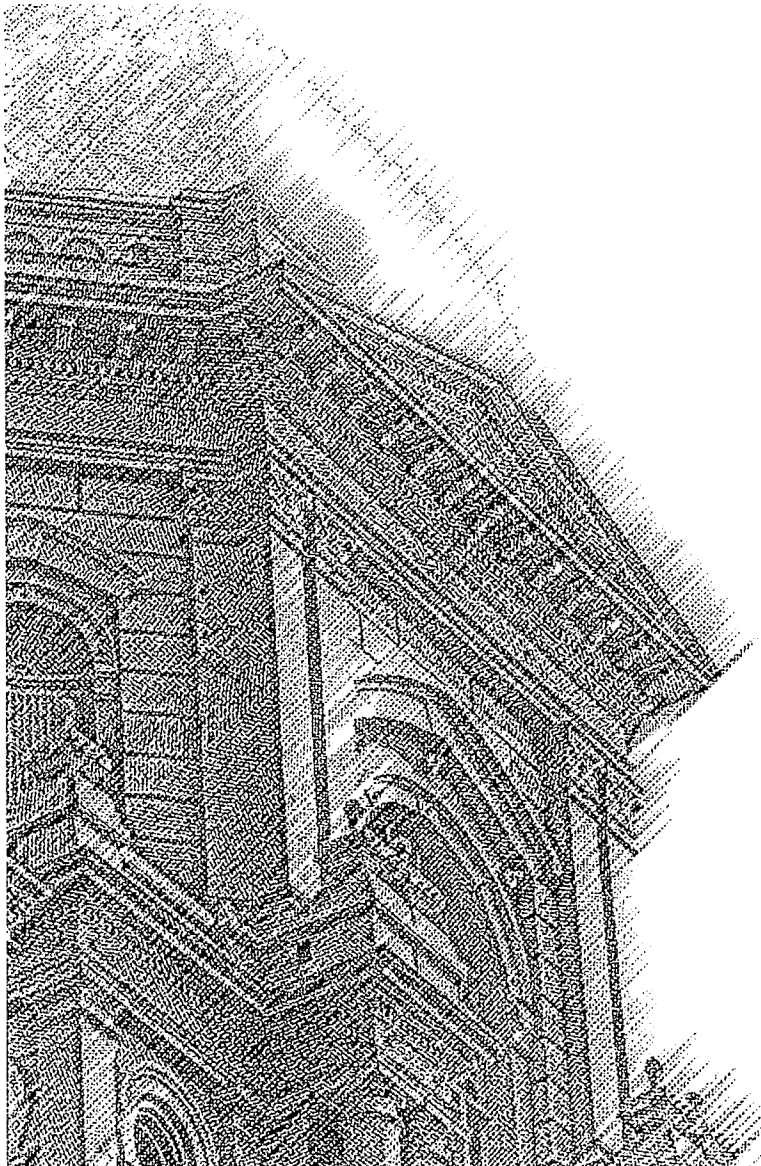


Notre Dame Report



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NOVEMBER 26, 1997

N U M B E R 7

The University

Erasmus Institute Established

The University is establishing a major new institute for advanced study with a specific focus on reinvigorating the role of Catholic intellectual traditions in contemporary scholarship.

Named the Erasmus Institute, in honor of Desiderius Erasmus, a pivotal 16th-century Catholic scholar and reformer, the institute will not be concerned with the study of theology or the church as such; rather, it will foster general scholarship that is informed by Catholic thought. While located at Notre Dame, it will be national in scope, providing research fellowships to senior and junior faculty as well as to graduate students for dissertation work; sponsoring a publishing program; originating cooperative faculty development programs; organizing conferences and colloquia at colleges and universities across the country; and arranging summer seminars for graduate students.

With \$1.5 million in initial funding from an anonymous benefactor, the institute is under the direction of James Turner, professor of history.

An example of the types of scholarship the institute intends to encourage is the revival of just-war theory in political science during the past two decades, a discourse drawing heavily on Catholic thinkers, especially Augustine, but as important to secularly minded theorists as to Christian ones. Other examples could include the relationship between current legal theory and Aquinas, or alternatives, informed by Catholic traditions, to standard neo-classical economic theory.

The institute eventually will be guided in its activities by both national and local advisory boards. For the first year, however, only the local board, composed of nine Notre Dame faculty members, will be in place.

The members of the local advisory board are as follows: Joseph A. Buttigieg, professor of English; Rev. Brian E. Daley, S.J., Huisking professor of theology; Nathan O. Hatch, provost and professor of history; M. Cathleen Kaveny, associate professor of law; David M. Lodge, associate professor of biological sciences; Mark W. Roche, O'Shaughnessy dean of the College of Arts and Letters and Joyce professor of German and Russian languages and literatures; Rabbi Michael A. Signer, Abrams professor of Jewish thought and culture; Paul J. Weithman, assistant professor of philosophy; and Carolyn Y. Woo, Gillen dean of the College of Business Administration and Siegfried professor of management.

Marketing Professors Selected as Best Researchers

This past summer, *Marketing Educator* published the article "Best Researchers in Marketing" which listed the top 108 researchers in the marketing field today. Five members from the College of Business Administration's Department of Marketing were listed: Professors Michael J. Etzel, John F. Gaski, Joseph P. Guiltinan, Patrick E. Murphy and William L. Wilkie.

Faculty Notes

Honors

Rev. Michael J. Baxter, C.S.C., visiting assistant professor of theology, has been appointed a member of the Protective Services Board of St. Joseph County, an agency providing guardianship and advocacy for mentally retarded and metally ill adults.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, has been designated the 14th Freeman Scholar by the American Society of Mechanical Engineers, which is the highest honor bestowed by the Division of Fluids Engineering of the ASME.

James H. Powell, associate dean of the graduate school and director of the summer session, was elected president-elect for 1997-98 and president for 1998-99 of the Association of University Summer Sessions, a group of 50 major public and private research universities, at its annual meeting in Chicago, Ill., Oct. 19-22.

Peter E. Schiffer, assistant professor of physics, received the Presidential Early Career Award for Scientists and Engineers for his research on geometrically frustrated magnets in Washington, D.C., Nov. 3.

Activities

Karl Ameriks, professor of philosophy, gave the lecture "Zum Primat des Praktischen bei Kant und Fichte" at Humboldt University in Berlin, Germany, July 8. He presented "The Early Reception of Kant's Philosophy" at Northern Illinois University in DeKalb, Ill., Sept. 12. He gave the talk "The Primacy of the Practical in Kant and Fichte" at Indiana University in Bloomington, Ind., Sept. 26. He lectured on "Modifications in Kant's System after 1787" at the Austrian Academy of Sciences in Vienna, Austria, Oct. 9. He presented "The Primacy of the Practical in Kant and Fichte" in the Center for Theoretical Studies at Charles University in Prague, Czech Republic, Oct. 13. He gave the talk "Kantian Apperception and Cognitive Science" in the Center for Theoretical Studies at Charles University in Prague, Czech Republic, Oct. 16.

Panos J. Antsaklis, professor of electrical engineering, gave the invited talk "Building Highly Autonomous Control Systems" in the distinguished lecturer series in Systems and Control at the Georgia Institute of Technology in Atlanta, Ga., Nov. 5.

J. Matthew Ashley, assistant professor of theology, gave the talk "Haven in a Heartless World? Modernity and the Origins of Spirituality" at the Jesuit Institute at Boston College in Chestnut Hill, Mass., Oct. 29.

Charles Barber, assistant professor of art, art history and design, gave the invited paper "Authority and Prayer: An Abbot's Reading of the Theodore Psalter" to the Late Antique and Byzantine Workshop at the University of Chicago in Chicago, Ill., Nov. 10.

Rev. Michael J. Baxter, C.S.C., visiting assistant professor of theology, presented the conference paper "Blowing the Dynamite of the Church: Catholic Radicalism from a Catholic Radicalist Perspective" at the Dorothy Day and Catholic Worker Conference at Marquette University in Milwaukee,

Wis., Oct. 10; and at St. Mary's University in San Antonio, Tex., Oct. 20. He served as panel moderator and lectured on "Cardinal Bernardin's Consistent Ethic of Life: Bad News and Good News" at the Life Issues Forum at the University of Portland in Portland, Oreg., Oct. 23.

Rev. Richard S. Bullene, C.S.C., assistant professor of architecture, presented the paper "Sacred Place and Sacramental Place: The Human World as the Arena of Grace" at the conference Making Sacred Places, the sixth Built Form and Culture Research Conference at the University of Cincinnati in Cincinnati, Ohio, Oct. 16-19.

Rev. David B. Burrell, C.S.C., Hesburgh professor of philosophy and theology, gave the joint presentation "The Notion of God in Christianity and Islam" at the Thomas Aquinas Center at Purdue University in West Lafayette, Ind., Oct. 23.

Jianguo Cao, associate professor of mathematics, presented "A Sharp Isoperimetric Inequality on PL-manifolds of Non-positive Curvature" at the American Mathematical Society Meeting #927 at the University of Wisconsin in Milwaukee, Wis., Oct. 24-25.

J. Michael Crant, associate professor of management, delivered the presentations "Charismatic Leadership Viewed from Above: The Impact of Proactive and Organizational Behaviors" and "Dyadic Communication Relationships in Organizations: An Attribution/Expectancy Approach" at the annual meeting of the Academy of Management, Aug.

Roberto DaMatta, Joyce professor of anthropology, gave the keynote address to the first meeting of Teachers of Campos, State of Rio de Janeiro, Brazil, in Campos, State of Rio de Janeiro, Brazil, Oct. 14. He gave a lecture on the Brazilian identity to the international seminar on Cultural Reflections of the Luzo-Brazilian Thought which was organized by the Department of Letters at Federal Fluminense University in Niteroi, State of Rio de Janeiro, Brazil, Oct. 14.

Jill Godmilow, professor of communication and theatre, gave the invited lecture and screening "My Life (as a Cat) in Film" at the Southeastern Center for Contemporary Art in Winston Salem, N.C., Sept. 26. She presented a work-in-process version of her documentary film *What Farocki Taught* at the annual Visible Evidence Conference at Northwestern University in Evanston, Ill., Sept. 5-7.

Denis Goulet, O'Neill professor in education for justice, Department of Economics, delivered the lecture "Global Development and Environmental Ethics" to the Forever Learning Institute in South Bend, Ind., Oct. 29.

Iván A. Jaksic, associate professor of history, presented the paper "Constitutionalism and the Rule of Law in Chile" at the 20th international congress of the Latin American Studies Association in Guadalajara, Mexico, April 17-19. He presented the paper "The Influence of Blanco White on Andres Bello" at the conference *La Influencia Espanola y Britanica en las Ideas y en la Politica Latinoamericana (Siglos XIX y XX)* at the Instituto Universitario Ortega y Gasset in Madrid, Spain, June 16-17.

Encarnación Juárez, visiting assistant professor of Romance languages and literatures, presented "Voces rescatadas: estado actual de las autobiografias escritas por mujeres en la edad media y el Siglo de Oro" and presided over the session "The Truth Is I Never Left You: Rearticulating the Past" at the eighth international conference of the Asociación de Literatura Femenina Hispánica at Emory University in Atlanta, Ga., Oct. 17-18.

Ahsan Kareem, professor of civil engineering and geological sciences, presented the paper "Wind Engineering Research and Development in the U.S." at the 29th joint meeting of the United States/Japan Natural Resources Development Program's Panel on Wind and Seismic Effects at the Public Works Research Institute in Tsukuba, Japan, May 13-16. He chaired a technical session on Offshore Systems and presented the paper "Structural Control of Offshore Platforms" co-authored

with **Johanes Suhardjo**, senior technical support consultant in the Office of Information Technologies, at the seventh International Offshore and Polar Engineering Conference in Honolulu, Hawaii, May 25-30.

Martina Lopez, assistant professor of art, art history and design, presented the group exhibitions: "American Voices" at the Smithsonian Institution International Gallery in Washington, D.C., May-Sept.; "Re/Collections: Nontraditional Photographic Work" with Pamela Bannos and M. Elizabeth Ernst at the NIU Art Museum, Altgeld Gallery, at Northern Illinois University in DeKalb, Ill., Aug.-Oct.; "New Realities/Digital Transformations" at the 1708 Gallery in Richmond, Va., Sept.; "Fotos 97" at the Guadalupe Cultural Arts Center in San Antonio, Tex., Sept.-Oct.; "Family Stories" at the Foreman Gallery at Hartwick College in Oneonta, N.Y., Oct.-Nov.; and "Metamorphoses: Photography in the Electronic Age" at the Ackland Art Museum in Chapel Hill, N.C., Oct.-Jan. She served as a visiting artist lecturer at Northern Illinois University in DeKalb, Ill., Aug.-Oct. She gave a symposium at "Fotos 97" at the Guadalupe Cultural Arts Center in San Antonio, Tex., Sept. 12.

Ralph McInerny, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, presented "Reading Mystery" and served on the panel "Morality in a World of Murder" at Magna Cum Murder at Ball State University in Muncie, Ind., Oct. 25.

Rev. John Allyn Melloh, S.M., coordinator of the Marten program in homiletics and liturgics and professional specialist in theology, gave the presentation "Proclamation of the Word" for lectors at Fischer-O'Hara-Grace Community Center at the University of Notre Dame in Notre Dame, Ind., Oct. 5. He presented "Method in Preaching" for the Center for Continuing Formation in Ministry at the University of Notre Dame in Notre Dame, Ind., Oct. 13-14.

Peter R. Moody Jr., professor of government and international studies, served as a discussant for a panel on political developments on Taiwan and presented the paper "Changing U.S. Policy on the Taiwan Issue" at Taiwan: State and Society in Transition: An International Conference at the Center for East Asian and Pacific Studies at the University of Illinois in Urbana-Champaign, Ill., Sept. 21-23.

Alvin Plantinga, O'Brien professor of philosophy, presented "Naturalism Defeated" at the Chapel Hill Philosophy Colloquium at the University of North Carolina in Chapel Hill, N.C., Oct. 3.

Wolfgang Porod, professor of electrical engineering, organized the special session Towards Nanoelectronics and presented the paper "Computing with Coupled Quantum Dots: Quantum-Dot Cellular Automata and Cellular Nonlinear Networks" at the European Conference on Circuit Theory and Design (ECCTD'97) in Budapest, Hungary, Aug. 30-Sept. 3.

Karen Richman, visiting assistant professor of anthropology, presented the paper "Innocent Imitations: Decoding a Controversy Over Children's Art Education and the Sacred Arts of Vodou Show in Chicago" at the ninth annual conference of the Haitian Studies Association titled Haitians in the Pan-African Community: Culture, Identity, Affirmation at the Museum of African American History in Detroit, Mich., Oct. 23-25.

Norlin Rueschhoff, professor of accountancy, presented the paper "International Financial Reporting: An Analysis of Reporting Consistency" at the eighth world congress on International Accounting Education and Research, Oct. 24. He served as presenter for the Founders' Awards ceremony held at the Paris School of Management, Oct. 24.

Jonathan Sapirstein, professor of physics, presented the seminar "All-orders Calculations of Muonium Hyperfine Splitting" at Cornell University in Ithaca, N.Y., Oct. 28.

Uri Sarid, assistant professor of physics, gave the invited seminar "Precise Predictions of a Minimal Supersymmetric Scenario" to the Department of Physics at Michigan State University in East Lansing, Mich., Oct. 21.

Slavi C. Sevov, assistant professor of chemistry and biochemistry, presented the invited seminar "Main-Group Clusters in the Solid State" at the Department of Chemistry at the University of Michigan in Ann Arbor, Mich., Oct. 3.

Gregory E. Sterling, associate professor of theology, wrote "The Divine Philosophy: A Response to Jan Willem van Henten's 'The Maccabean Martyrs and Jewish Philosophy'" which was read in absentia at the Early Jewish Writings and the New Testament Seminar at the international meeting of the Studiorum Novi Testamenti Societas in Birmingham, England, Aug. 5. He presided and presented the paper "'Let No One Separate': The Historical Jesus on Divorce" to the Historical Jesus and His Earliest Interpreters Continuing Seminar at the annual meeting of the Catholic Biblical Association at Seattle University in Seattle, Wash., Aug. 10-11.

Lee A. Tavis, Smith professor of business administration, Department of Finance, organized the conference Agribusiness in the Mexican Countryside conducted by the Notre Dame Program on Multinational Managers and Developing Country Concerns in Queretaro, Mexico, Oct. 19-21.

Kymerly B.H. Taylor, adjunct assistant professor in the first year composition program, received a Paula Deitz Fellowship to read her work "The Givers, Tyranny of Pie, and the Cow Nosed Ray" at the Exploring Form and Narrative Poetry Conference at West Chester University of Pennsylvania in West Chester, Pa., June 5-8.

Eugene Ulrich, professor of theology, presented "The Dead Sea Scrolls: An Insider's View" and "The Bible at the Time of Hillel and Jesus" to open the exhibition and public lecture series Discoveries by the Dead Sea: The Scrolls Fifty Years Later at the University of Iowa in Iowa City, Iowa, Oct. 5.

Kathleen Maas Weigert, professional specialist and associate director for academic affairs and research in the Center for Social Concerns, concurrent associate professor of American studies and fellow in the Kroc Institute, coled the pre-conference workshop "Peace Studies and Experiential and Service Learning" and organized the roundtable on "Peace Studies Pedagogy" at the ninth Peace Studies Association Conference at Georgetown University in Washington, D.C., June 5-8. She served on the panel "Designing for Real Service and Real Learning" at the conference Reconciling Agendas: Agencies and Colleges Face Service-Learning in Asheville, N.C., Oct. 31-Nov. 2. She spoke on "Community Service" at the Association of College Unions International Region 9 Conference titled Discover Gold at the University of Notre Dame in Notre Dame, Ind., Nov. 7-8.

John P. Welle, associate professor of Romance languages and literatures, participated in the presentation by Andrea Zanzotto of his book *Peasants Wake for Fellini's Casanova and Other Poems*, which he edited and translated in collaboration with Ruth Feldman, at the Italian Cultural Institute in Washington, D.C., Oct. 24.

Rev. James F. White, professor of theology, gave the paper "Forgetting and Remembering the Saints" at Drew University in Madison, N.J., Oct. 18.

Kwang-tzu Yang, Hank professor of aerospace and mechanical engineering, chaired a technical session on Absorption and Adsorption and delivered the invited talk "Design and Development of PCM-Based Evaporators for Refrigeration Systems with Applications to Household Refrigerators" in a technical session on Heat Exchangers and Storage at the Oji International Seminar titled New Approach Toward Low-Temperature Thermal Engineering Without Fluorocarbon Refrigerants held in Tomakomai City, Japan, Sept. 16-19.

John Howard Yoder, professor of theology, presented the Culbert Rutenber lecture at the Eastern Baptist Theological Seminary in Philadelphia, Pa., Nov. 4.

Randall C. Zachman, associate professor of theology, presented "Bearing Witness to God in Jesus Christ: The Life and Work of Karl Barth" during adult education classes at the Fourth Presbyterian Church in Chicago, Ill., Sept. 7, 14, 21, 28. He presented the paper "Do You Understand What You Are Reading?" The Relation of Doctrine to Scripture in Calvin's Theology" at the 16th Century Studies Conference in Atlanta, Ga., Oct. 25.

Publications

Asma Afsaruddin, assistant professor of classics, wrote "A Diatribe in Displacement: Mathalib al-wazirayn of Abu Hayyan al-Tawhidi" published in *al-'Arabiyya*, vol. 29, 1997, pages 1-21. She wrote a review of *The Qur'an as Text*, edited by Stefan Wild, published in *Middle East Studies Association Bulletin*, vol. 31, 1997, page 95.

Charles Barber, assistant professor of art, art history and design, wrote "Homo Byzantinus?" published in *Women, Men and Eunuchs: Gender in Byzantium*, edited by Liz James, London and New York, 1997, pages 185-199.

Doris Bergen, assistant professor of history, wrote "'Germany Is Our Mission — Christ Is Our Strength!' The Wehrmacht Chaplaincy and the 'German Christian' Movement" published in *Church History*, vol. 66, no. 3, Sept. 1997, pages 522-536.

Theodore Cachey, associate professor of Romance languages and literatures, wrote "Before and After the Book: An Italian Update" published in *The Italianist*, vol. 16, 1996, pages 351-363.

Francis J. Castellino, dean of science, Kleiderer-Pezold professor of biochemistry and director of the Center for Transgene Research, co-authored "The Mechanism of Cancer-mediated Conversion of Plasminogen to the Angiogenesis Inhibitor Angiostatin" with Stephen Gately, Przemyslaw Twardowski, M. Sharon Stack, Deborah L. Cundiff, Davida Grella, Jan Enghild, Hau C. Kwaan, Francis Lee, Robert A. Kramer, Olga Volpert, Noel Bouck and Gerald A. Soff, published in *Proceedings of National Academy of Science USA*, vol. 94, 1997, pages 10868-10872.

Edmundo Corona, assistant professor of aerospace and mechanical engineering, co-authored "Response and Stability of Square Tubes Under Bending" with S.P. Vaze, published in *Journal of Applied Mechanics*, vol. 64, Sept. 1997, pages 649-657.

Dennis P. Doordan, associate professor of architecture, wrote a review of *Charles Rennie Mackintosh*, by Wendy Kaplan, published in *Studies in the Decorative Arts*, vol. 5, no. 1, fall-winter 1997-1998, pages 134-136.

Jeremiah P. Freeman, professor emeritus of chemistry and biochemistry, and **Jacob Szmuszkovicz**, adjunct professor of chemistry and biochemistry, co-authored "Imidazole Transfer from 1,1'-Carbonyldimidazole and 1,1'-(Thiocarbonyl)diimidazole to Alcohols. A New Protocol for the Conversion of Alcohols to Alkyheterocycles" with Michael J. Totleben, published in *Journal of Organic Chemistry*, vol. 62, 1997, pages 7319-7323.

Nai-Chien Huang, professor of aerospace and mechanical engineering, co-authored "Fracture Mechanics of Plates and Shells Applied to Fail-Safe Analysis of Fuselage Part I: Theory" with Y.C. Li and S.G. Russell, published in *Theoretical and Applied Fracture Mechanics*, vol. 27, 1997, pages 221-236. He co-authored "Fracture Mechanics of Plates and Shells Applied to Fail-Safe Analysis of Fuselage Part II: Computational Results" with Y.C. Li and S.G. Russell, published in *Theoretical and Applied Fracture Mechanics*, vol. 27, 1997, pages 237-253.

Dennis C. Jacobs, associate professor of chemistry and biochemistry, co-authored "Dynamics of Dissociative Scattering: Hyperthermal Energy Collisions of State-selected OCS+ on Ag(111)" with J.R. Morris, G. Kim, T.L.O. Barstis and R. Mitra, published in *The Journal of Chemical Physics*, vol. 107, 1997, pages 6648-6459.

Iván A. Jaksic, associate professor of history, edited *The Selected Writings of Andres Bello*, translated by Frances M. Lopez-Morillas, New York and Oxford: Oxford University Press, 1997. He wrote a review of *Moral Opposition to Authoritarian Rule in Chile, 1973-90*, by Pamela Lowden, published in *American Historical Review*, vol. 102, no. 3, June 1997, pages 933-934.

Ahsan Kareem, professor of civil engineering and geological sciences, and **Johanes Suhardjo**, senior technical support consultant in the Office of Information Technologies, wrote "Structural Control of Offshore Platforms" published in *Proceedings of the 7th International Offshore and Polar Engineering Conference*, May 25-30, 1997, Honolulu, Hawaii, vol. 1, pages 416-424.

A. Eugene Livingston, professor of physics, and **H. Gordon Berry**, professor of physics, co-authored "E1-M1 Damping Interference in the Electric Field Quenching of Metastable Ar¹⁷⁺ Ions" with R.W. Dunford, D.S. Gemmell, M. Jung, E.P. Kanter, S. Cheng and L.J. Curtis, published in *Physical Review Letters*, vol. 79, 1997, pages 3359-3362.

Scott Mainwaring, executive director of the Kellogg Institute and Conley professor of government and international studies, wrote a review of *Problems of Democratic Transition and Consolidation: Southern Europe, South America, and Post-Communist Europe*, by Juan J. Linz and Alfred Stepan, published in *Political Science Quarterly*, the *Journal of Public and International Affairs*, vol. 112, no. 3, fall 1997, pages 507-509.

Bradley Malkovsky, assistant professor of theology, wrote "In Memoriam: Richard De Smet, S.J. (1916-1997)" published in *Hindu-Christian Studies Bulletin*, vol. 10, 1997, pages 3-4. He wrote "The Personhood of Samkara's Para Brahman" published in *The Journal of Religion*, vol. 77, 1997, pages 541-562.

Lawrence C. Marsh, associate professor of economics, presented the papers "Nested Logit Analysis of Missing Response Observations" with **Byung-Joo Lee**, assistant professor of economics, and "Chow's Lagrangian Dynamic Optimization Procedure" at the Midwest Econometrics Group Conference at Michigan State University in East Lansing, Mich., Oct. 18.

Rev. Richard P. McBrien, Crowley-O'Brien-Walter professor of theology, wrote *Lives of the Popes: The Pontiffs from St. Peter to John Paul II*, San Francisco, Calif.: HarperSanFrancisco, 1997, 536 pages.

William D. McGlenn, professor of physics, co-authored "On the Completeness of the Canonical Reductions from Kac-Moody to W-algebras" with L. O'Raiheartaigh, published in *Nuclear Physics B*, vol. 503, 1997, pages 688-714.

Ralph McInerny, Grace professor of medieval studies, director of the Maritain Center and professor of philosophy, wrote "Medieval: The Grand Synthesis" published in *An Uncertain Legacy*, edited by Edward B. McLean, Wilmington, Del.: Intercollegiate Studies Institute, 1997, pages 39-52.

Walter Nugent, Tackes professor of history, wrote "Wallace Stegner, John Wesley Powell, and the Shrinking West" published in *Wallace Stegner and the Continental Vision: Essays on Literature, History, and Landscape*, edited by Curt Meine, Washington, D.C., and Covelo, Calif.: Island Press, 1997, pages 97-106.

Mark C. Pilkinton, professor of communication and theatre, edited *Bristol: Records of Early English Drama*, Toronto: University of Toronto Press, 1997, lxxxv + 382 pages.

Valerie Sayers, professor of English, wrote "The Other Woman" published in *Cabbage and Bones: Fiction by Irish-American Women*, edited by Caledonia Kearns, Henry Holt, 1997. She wrote a review of *Timequake* by Kurt Vonnegut, published in *New York Times Book Review*, Sept. 28, 1997.

W. Robert Scheidt, professor of chemistry and biochemistry, co-authored "Characterization of the Bis (azido) (meso) tetraphenylporphinate)ferrate(III) Anion. An Unusual Spin-Equilibrium System" with Mary K. Ellison, Habib Nasri, Y.-M. Xia, Jean-Claude Marchon, Charles E. Schulz and Peter G. Debrunner, pub-

lished in *Inorganic Chemistry*, vol. 36, 1997, pages 4804-4811. He co-authored "Models of the Cytochromes. Axial Ligand Orientation and Complex Stability in Iron (II) Porphyrinates: The Case of the Noninteracting d_π Orbitals" with Martin K. Safo, Marlys J.M. Nettet, F. Ann Walker and Peter G. Debrunner, published in *Journal of the American Chemical Society*, vol. 119, 1997, pages 9438-9448. He co-authored "Macrocyclic [Cu^{I/II}(bite)]⁺²⁺ (bite = biphenyldiimino dithioether): An Example of Fully-Gated Electron Transfer and Its Biological Relevance" with Scott Flanagan, Jun Dong, Kenneth Haller, Shengke Wang, Robert A. Scott, Thomas R. Webb, David M. Stanbury and Lon J. Wilson, published in *Journal of the American Chemical Society*, vol. 119, 1997, pages 8857-8868.

Maoyu Shang, adjunct research professor of chemistry and biochemistry, and **Thomas P. Fehlner**, Grace-Rupley professor of chemistry, co-authored "Clusters as Ligands, Part 3. Generation of Tricobalt Cluster Carboxylate-bridged Iron-cobalt and Manganese-cobalt Mixed-metal Alkoxide Cubes from Iron and Manganese Tricobalt Cluster Metal Carboxylates" with Xinjian Lei, Rudiger Werner, Wolfgang Haase, Dimitri Hautot and Gary J. Long, published in *Journal of Organometallic Chemistry*, vol. 541, 1997, pages 57-70.

Gregory E. Sterling, associate professor of theology, wrote "The Bond of Humanity: Friendship in Philo of Alexandria" published in *Graeco-Roman Perspectives on Friendship*, edited by John Fitzgerald, Atlanta: Scholars Press, 1997, pages 203-223. He wrote "Philo of Alexandria: Two Prayers" published in *Prayer from Alexander to Constantine: A Critical Anthology*, edited by Mark Kiley, London/New York: Routledge, 1997, pages 99-107. He wrote "Customs Which Are Not Lawful: The Social Apology of Luke-Acts" published in *Leaven*, vol. 5, 1997, pages 19-24.

William C. Streider, professor of chemical engineering, and **Arvind Varma**, Schmitt professor of chemical engineering, co-authored "Spatiotemporal Evolution of Conversion and Selectivity for Simultaneous Noncatalytic Gas-Solid Reactions in a Compact of Particles" with Mostafa Maalmi, published in *Industrial and Engineering Chemistry Research*, vol. 39, no. 5, 1997, pages 1470-1479.

Rafael Tenorio, assistant professor of finance and business economics, wrote "Some Evidence on Strategic Quantity Reduction in Multiple Unit Auctions" published in *Economics Letters*, vol. 55, Aug. 1997, pages 209-213. He co-authored "Immigrant-Native Wage Differentials and Immigration Reform" with Gabriella A. Buci, published in *Review of Development Economics*, vol. 1, Oct. 1997, pages 305-323.

J. Kerry Thomas, Nieuwland professor of science, Department of Chemistry and Biochemistry, co-authored "Photoinduced Charge-Transfer Reaction between Pyrene and *N,N'*-Dimethylaniline on Silica Gel Surfaces" with Guohong Zhang, A. Eremenko, T. Kikteva and F. Wilkinson, published in *Journal of Physical Chemistry B*, vol. 101, 1997, pages 8569-8577.

Arvind Varma, Schmitt professor of chemical engineering, co-authored "Mesoporous Alumina Membranes: Synthesis Characterization, Thermal Stability and Nonuniform Distribution of Catalyst" with K.L. Yeung and J.M. Sebastian, published in *Journal of Membrane Science*, vol. 131, 1997, pages 9-28.

Rev. James F. White, professor of theology, wrote *Introdução ao Culto Cristão*, edited by Luis M. Sander, São Leopoldo: Editora Sinodal, 1997, 267 pages.

Rev. Reginald Whitt, O.P., associate professor of law, wrote "*Varietates Legitimae* and an African-American Liturgical Tradition" published in *Worship*, vol. 71, no. 6, Nov. 1997, pages 504-537.

Olaf Wiest, assistant professor of chemistry and biochemistry, co-authored "The Vinylcyclopropane-Cyclopentene Rearrangement: A Prototype Thermal Rearrangement Involving Competing Diradical Concerted and Stepwise Mechanisms" with K.N. Houk, Maja Nendel and Joey W. Storer, published in *Journal of American Chemical Society*, vol. 119, 1997, pages 10545-10546.

Kwang-tzu Yang, Hank professor of aerospace and mechanical engineering, co-authored "Simulations of Swirling Fires Controlled by Channeled Self-Generated Entrainment Flows" with K. Satoh, published in *Proceedings of the Fifth International Symposium on Fire Safety Science*, edited by Y. Hasemi, Melbourne, Australia: International Association of Fire Safety Science, 1997, pages 201-212. Yang co-authored "Design and Development of PCM-Based Evaporators for Refrigeration Systems with Applications to Household Refrigerators" with Pankaj Mithal, published in *Proceedings of the 45th Oji International Seminar on New Approach Toward Low-Temperature Thermal Engineering Without Fluorocarbon Refrigerants*, edited by K. Hijikata and S. Fukusako, Tomakomai City, Japan: University of Hokkaido, Sapporo, Japan, 1997, pages 37-43.

Deaths

Hugh P. Ackert, associate professor emeritus of aerospace and mechanical engineering, Nov. 1. He received his B.S. from State Normal and Industrial College in 1930 and his M.S. from the University of North Dakota in 1937. Ackert joined the faculty in 1943 and in addition to serving as an instructor, assistant professor and then associate professor he was head of Engineering Graphics. He was a member of the Quarterback Club and was an official at the University's track meets.

Faculty Senate Journal

September 17, 1997

The chair, Professor Michael Detlefsen, called the meeting to order at 7 p.m. in room 202 of the Center for Continuing Education and asked Professor Richard McBrien to offer a prayer. The journal for the meeting on April 29, 1997, was presented. Professor William Eagan raised a question concerning the chair's report of that meeting, specifically the statement that Professor Katherine O'Brien O'Keeffe was elected to a three-year term, but would forgo the first year of her term because she will be on leave. Eagan asked for a ruling on her membership in the senate as a result of that status. Detlefsen directed that co-secretary, Professor Russell Pickett, review the bylaws and report back. The journal was subsequently unanimously approved. Pickett later reported back that, according to the bylaws, in the event that a senator cannot attend at least one meeting per semester, that senator's constituency should be informed so that another representative can be elected. Detlefsen reported that this had been done by the previous chair, and that O'Keeffe could return to the senate after her leave.

Professor Detlefsen then made his chair's report, which is printed as Appendix A of this journal. Detlefsen reviewed assignments to the senate committees, and then reviewed issues that arose during the summer that he felt were worthy of consideration by the senate through its committees.

Subsequent to the chair's report, the senate recessed for committee meetings.

Upon reconvening, committee reports followed:

1. **Academic Affairs.** The chair, Professor Gregory Sterling, reported that this committee would divide issues into those to be investigated in the fall semester and those that would be looked at in the spring. In the fall the committee would:

a. Prepare recommendations to improve electronic services in the library so that these recommendations can be forwarded to the new director of libraries for her consideration.

b. Review the methods used by *U.S. News and World Report* in determining their collegiate rankings, specifically with regard to their category of "Faculty Resources."

c. Investigate and make recommendations concerning computer services on campus including a review of the current status and future of these services and a review of off-campus e-mail service.

In the spring the committee will attempt to:

a. Review the problem of office space for faculty, especially for the College of Arts and Letters.

b. Review issues relating graduate student support, specifically how stipends might be extended from nine to 12 months.

c. Review teaching assistant responsibilities and the likely effects that requiring teaching and research faculty to teach University Seminars will have on graduate student teaching experience.

2. **Administration.** The chair, Professor Clive Neal, reported the committee will consider the following old business:

a. The issue of how adjunct faculty should be represented on the Faculty Senate.

b. Issues concerning the Notre Dame staff, specifically dissatisfaction with the recent reclassification of positions.

c. Continued cooperation with the University Committee on Women.

Additionally the committee will consider the following new business:

a. The Faculty Alcohol Policy, including a survey of policies at other universities and consideration of whether any of these policies might be applicable at Notre Dame.

b. Review of parking for the disabled on campus, specifically the number and distribution of spaces.

c. Review of graduate student medical benefits and insurance, attempting to work with other groups currently working on this issue.

3. Student Affairs. The chair, Professor Ava Preacher, reported the committee will focus on the following:

a. A follow-up on last year's "Student Bill of Rights" resolution that went to the Academic Council and then back to the Campus Life Council.

b. Review of the soon-to-be-released Office of Student Affairs report on alcohol use on campus, and a review of the student alcohol policy.

c. Review of disciplinary decisions issued by the Office of Student Affairs. The concern is whether these decisions are equitable.

d. Consideration of the relation between academic and residential life for undergraduates and whether there is a suitable program of intellectual activity outside of classes.

e. Consideration of academic assistance available to students beyond the First Year of Studies.

f. The determination of a possible response to the "Spirit of Inclusion" statement.

4. Benefits. The chair, Professor Kathleen DeLanghe, reported that her committee will look into the following areas:

a. Recent TIAA-CREF legislation.

b. Benefits packages.

c. Retiree issues.

d. Disability insurance issues.

e. The lack of a faculty/staff discount at the bookstore.

f. A review of the faculty health benefit in regard to coverage for birth control.

g. The issue of whether tuition benefits for faculty/staff children could be a fixed dollar amount rather tied to time of employment at Notre Dame.

h. Assisting the administration committee on graduate student health benefits.

NEW BUSINESS

The first item was an election for a replacement for Professor Ava Preacher on the Campus Life Council. Preacher is on the CLC in two capacities: as an elected member from the Faculty Senate and as ex-officio member as chair of the Student Affairs committee. In order to properly represent the Faculty Senate on CLC, Preacher ceded her elected position. Professor Russell Pickett volunteered to run for that position, was nominated as the only candidate, and was elected by acclamation.

Detlefsen reported that the next meeting (October 15) would be the annual visit by President Malloy. He asked that senators forward questions for President Malloy to him as soon as possible. He will then compile these and forward the resulting list to all senators and to President Malloy.

Detlefsen then asked for volunteers to serve on two Select Committees: one would study options for a cooperative effort between faculty from Notre

Dame and faculty from other Indiana universities to be a more effective voice in addressing legislative actions in Washington, D.C., especially during the summer months. This committee will be convened by Associate Librarian Laura Bayard.

Detlefsen suggested that this committee would include representatives from outside the senate also. A representation of four or five senators on the committee would be appropriate. Bayard and Professors Gordon Berry, Mario Borelli, Jill Godmilow volunteered to serve.

The other committee would study ways of improving the treatment and hosting of long-term and short-term foreign visitors, both students and faculty. Volunteers agreeing to serve on this committee will be reported in a later journal.

Eagan then asked Detlefsen why future meetings were scheduled on Wednesdays only. Detlefsen reported that it was his decision. He believes that no matter what day was picked, there would be senators unable to attend because of conflicts. Picking the same night allows people to set aside this particular day for senate meetings.

As there was no other new business, adjournment was called for and agreed on at 8:40 p.m.

Present: Bayard, Bergstrand, Berry, Borelli, Buttigieg, Cachey, Chami, Cleveland, Cosimano, Davis, DeLanghe, Detlefsen, Eagan, Fein, Godmilow, Hemler, Hill, Kelly, Lauer, McBrien, Munzel, Neal, Pickett, Preacher, Quinn, Ramsey, Schmid, Sheehan, Sterling, Sullivan, Urbany, Waddell, Warfield, Wayne, Williams, Zachman

Excused: Bigi, Blakey, Coll, Down, Jordan, Lamanna, Sheerin, Sporleder

Respectfully Submitted,

Russell A. Pickett
Co-Secretary

Appendix A

Chair's Report, September Meeting

Four items.

(I) Completing Committee Assignments. Not all senators have expressed a preference for committee assignment. Those who have not need to complete the sheet being circulated and return it to me before we break for the committee meetings.

(II) Federal Legislation Affecting Higher Education

In addition to the continuing attacks on the NEA which, fortunately, failed, two serious legislative proposals emerged this summer. The first of these was a proposal to tax graduate student tuition fellowships. The second was a proposal to tax a portion of the earnings on TIAA-CREF's pension investments. The former, which would have been ruinous for higher education, failed. The latter passed.

Three responses would seem to be in order.

(a) There is need for a higher level of organization in dealing with proposals in Washington. I'm therefore calling for the formation of a select or ad hoc committee to study the problem of how best to represent our interests before Washington. We need not only to organize ourselves here and develop more reliable channels of information-gathering for proposals being considered in the U.S. Congress, we need to take steps to form such an organization at the state level. We'll only get a senatorial response when we can organize the entire state. Similarly for response from congressional representatives other than that from our own district.

(b) There is a need to study the likely and possible effects of the TIAA-CREF legislation and advise the faculty accordingly. I'm therefore calling upon the Benefits Committee to conduct such a study and develop an advisory statement.

(c) I'm also calling upon the Benefits Committee to organize Notre Dame support for counter-measures to the TIAA-CREF legislation such as that currently being developed by Senator Moynihan of New York.

(III) Graduate student health insurance. This problem is still unsolved. I was approached this past summer by two representatives from the Graduate Student Union (Margaret Pfeil and Suzanne Koshow) asking the senate to work together with them to develop a proposal(s) to improve matters. The Provost's Office (Jim Powell, in particular) has developed a new peer institution survey to determine how 'competitive' Notre Dame's graduate student health insurance coverage is. Competition is one concern. Morality, however, is also one. I've asked the Administrative Affairs Committee to join forces with the Graduate Student Union to try and frame a proposal which is both workable and yet makes substantial improvement over the current coverage. In order that this proposal might gain the support of Vice President Merz and his staff, I am asking the committee to bear in mind that the funding their proposal will inevitably require be conceived as a genuine addition to the current Graduate School budget and not be taken from the current budget.

(IV) This summer I met with Vice President Scully to discuss a variety of problems concerning foreign visitors, both student and faculty, both long and short term. These problems range from health insurance to housing to efficient processing of guests' needs for library and computer services to visa problems and advice to payment of honoraria to office space. This is an increasingly serious problem as Notre Dame attempts to increase its stature and involvement in the international arena. It also does not fit neatly within the scope of responsibilities of any of the standing committees. I'm therefore calling for the formation of a second select or standing committee to study these problems and make a recommendation.

Call for volunteers for both select committees.

Correction

Awards Received

For the period August 1, 1997, through August 31, 1997

Anthropology

Martin F. Murphy

Race, Ethnicity, Social Class and Power in the Hispanic
Caribbean

Department of Education

\$48,022

18 months

Awards Received and Proposals Submitted

In the period October 1, 1997, through October 31, 1997

AWARDS RECEIVED

| Category | Renewal | | New | | Total | |
|--------------------------|---------|-----------|-----|-----------|-------|-----------|
| | No. | Amount | No. | Amount | No. | Amount |
| Research | 13 | 1,016,525 | 16 | 1,161,628 | 29 | 2,178,153 |
| Facilities and Equipment | 0 | 0 | 0 | 0 | 0 | 0 |
| Instructional Programs | 1 | 34,231 | 0 | 0 | 1 | 34,231 |
| Service Programs | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Programs | 2 | 24,696 | 5 | 93,681 | 7 | 118,377 |
| Total | 16 | 1,075,452 | 21 | 1,255,309 | 37 | 2,330,761 |

PROPOSALS SUBMITTED

| Category | Renewal | | New | | Total | |
|--------------------------|---------|-----------|-----|------------|-------|------------|
| | No. | Amount | No. | Amount | No. | Amount |
| Research | 6 | 1,656,838 | 43 | 17,603,681 | 49 | 19,260,519 |
| Facilities and Equipment | 0 | 0 | 1 | 45,682 | 1 | 45,682 |
| Instructional Programs | 1 | 34,231 | 3 | 2,461,248 | 4 | 2,495,479 |
| Service Programs | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Programs | 0 | 0 | 2 | 1,890,094 | 2 | 1,890,094 |
| Total | 7 | 1,691,069 | 49 | 22,000,705 | 56 | 23,691,774 |

Awards Received

In the period October 1, 1997, through October 31, 1997

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

Eric J. Jumper

Fluid-Optic Interactions II
Department of the Air Force
\$58,153 19 months

James J. Mason

Dynamic Fracture of Composites
Department of the Navy
\$99,993 36 months

Albin A. Szewczyk

Free-Oscillating Bluff Bodies
Department of the Navy
\$60,000 38 months

Biological Sciences

Nora J. Besansky

Gene Flow Assessment: Malaria Vectors and Anopheles
Gambiae
World Health Organization
\$19,073 15 months

Eye Color Genes of Anopheles Gambiae
World Health Organization
\$14,040 16 months

Frank H. Collins

Network on the Biology of Parasite Vectors
J.D. and C.T. MacArthur Foundation
\$115,822 30 months

Charles F. Kulpa Jr.

TNT Biodegradation
Argonne National Laboratory
\$23,000 20 months

David W. Severson

RFLP Mapping of Plasmodium Refractory Genes in
Mosquitoes
National Institutes of Health
\$149,198 10 months

Chemical Engineering

Paul J. McGinn

Processing of Superconducting Microlaminates
Purdue University
\$34,415 96 months

Melt Textured High Temperature Superconductors
Purdue University
\$138,873 96 months

Albert E. Miller

Superconducting Quantum Structures
Purdue University
\$51,229 96 months

Chemistry and Biochemistry

Francis J. Castellino

Potential Angiostatin Fragments
EntreMed, Inc.
\$36,300 12 months

Thomas L. Nowak

NMR Studies of Metals in Kinases and Related Enzymes
National Institutes of Health
\$283,271 12 months

General Counsel

William P. Hoye and Robert M. Zerr

Risk Assessment Audit for International Study Programs
United Educators Insurance
\$6,000

Computer Science and Engineering

Jay B. Brockman

Design Process Refinement Using WorkXpert
Mentor Graphics Corporation
\$10,000 12 months

Peter M. Kogge, Jay B. Brockman, et al.

Hybrid Technology Multi-Threaded Architecture
Jet Propulsion Laboratory
\$200,000 17 months

Center for the Study of Contemporary Society

Felicia B. LeClere

Analysis of Geocoded NHIS Linked to the 1990 Census
HRSA
\$7,800 5 months

Electrical Engineering

Robert L. Stevenson

Enhancement of Compressed Images
Intel Corporation
\$22,000

English

Christine Jensen Hogan

Un Pas de Deux, Un Pas de Dieu
Fetzer Institute
\$5,000 12 months

Graduate School

Peter Diffley

Fellowship for Kimberly Anne Wallace
Dolores Zohrab Liebmann Fund
\$18,840 12 months

Mathematics**Joachim J. Rosenthal**

Algebraic Methods in Systems Theory
National Science Foundation
\$7,732 12 months

Physics**Howard A. Blackstead**

Microwave and Optical Studies of HTSC
Purdue University
\$125,000 96 months

Randal C. Ruchti, Nripendra N. Biswas, et al.

CMS Experiment at CERN/LHE
Northeastern University
\$36,000 12 months

Steven T. Ruggiero

Transport Properties of YBCO Thin Films
Purdue University
\$63,250 96 months

Psychology**John G. Borkowski**

A Study of Adolescent Mothers, Their Children, and Head Start
Health and Human Services
\$15,000 12 months

John G. Borkowski and Thomas L. Whitman

Research Training in Mental Retardation
National Institutes of Health
\$99,302 12 months

Radiation Laboratory**Jay A. LaVerne**

Hazardous Gas Production in Transuranic Waste Matrices
Department of Energy
\$400,362 36 months

Theology**Eugene C. Ulrich and James C. VanderKam**

The Publication of Four Volumes of Dead Sea Scrolls
Oxford Centre for Hebrew Studies
\$5,000 26 months

South Bend Center for Medical Education**Kenneth R. Olson**

Extracellular Fluid Volume Homeostasis in Fish
Indiana University School of Medicine
\$73,500 12 months

AWARDS FOR INSTRUCTIONAL PROGRAMS**Center for the Study of Contemporary Society****Sheridan P. McCabe**

Student Experiential Program of Work with Homeless
Retirement Research Foundation
\$34,231 12 months

AWARDS FOR OTHER PROGRAMS**Biological Sciences****Nora J. Besansky**

Minority Predoctoral Fellowship Program — NIGMS
National Institutes of Health
\$33,719 12 months

Center for Social Concerns**Rev. Donald P. McNeill, C.S.C.**

Service Learning Coordinator Chapin Street Clinic
Indiana Campus Compact
\$5,856 12 months

Office of the Executive Vice President**Frances L. Shavers**

National Youth Sports Program — Girls Sports Clinics
National Collegiate Athletic Association
\$3,897 12 months

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

Fellowship for Rossana Castiglioni
Inter-American Foundation
\$18,385 26 months

Graduate School**Peter Diffley**

Fellowship for Michael Waddell
Dolores Zohrab Liebmann Fund
\$18,840 12 months
Fellowship for Rachel Koopmans
Dolores Zohrab Liebmann Fund
\$18,840 12 months
Fellowship for Elizabeth Groppe-Sniegocki
Dolores Zohrab Liebmann Fund
\$18,840 12 months

Proposals Submitted

In the period October 1, 1997, through October 31, 1997

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

James J. Mason and Steven Schmid

Next Generation of Automotive Bumpers
A.G. Simpson USA Inc.
\$49,260 12 months

Flint O. Thomas and Robert C. Nelson

Unsteady Aspects of High-Lift Flows
National Aeronautics and Space Administration
\$107,433 24 months

Anthropology

Mark R. Schurr

Geophysical Investigations of Middle Woodland Mounds
Indiana Department of Natural Resources
\$50,000 9 months

University Archives

Charles R. Lamb and William Kevin Cawley

Digital Edition of the William T. Sherman Family Papers
Library of Congress
\$67,219 18 months

Art, Art History and Design

Charles M. Rosenberg

Assistant Professor in Chinese Art History
Chiang Ching-kuo Foundation
\$187,600 36 months

Biological Sciences

Paul R. Grimstad

Vector Competence for La Crosse Virus in Aedes
National Institutes of Health
\$401,718 12 months

David R. Hyde

Molecular Analysis of Phototransduction
National Institutes of Health
\$334,922 12 months

Alan L. Johnson

Physiological Mediators of Granulosa Cell Apoptosis
National Institutes of Health
\$175,513 12 months

Gary A. Lamberti

Dissertation Improvement: Stream Nitrification
National Science Foundation
\$10,484 24 months

Dissertation Improvement: Ecological Stoichiometry
National Science Foundation
\$10,397 24 months

Michael C. Mossing

Structure and Interactions of Oncogene-Related
Homeodomains
American Cancer Society
\$378,962 36 months

Chemical Engineering

Edward J. Maginn and Davide A. Hill

Molecular Dynamics Simulations of Macromolecules
National Center for Supercomputing
\$0 12 months

Roger A. Schmitz

Establishment of an Environmental Molecular Science
Institute
National Science Foundation
\$5,687,702 60 months

Eduardo E. Wolf, Thomas P. Fehlner, et al.

Novel Heterogeneous Catalysts
National Science Foundation
\$487,707 36 months

Chemistry and Biochemistry

Thomas L. Nowak

NMR Studies of Metals in Kinases and Related Enzymes
National Institutes of Health
\$329,484 12 months

Richard E. Taylor

Conformational Libraries
National Institutes of Health
\$92,109 12 months

Computer Science and Engineering

Edwin Hsing-Mean Sha and Xiaobo (Sharon) Hu

On Imprecise Specifications
National Science Foundation
\$272,666 36 months

Peter M. Kogge, Jay B. Brockman, et al.

PIM Designs for DIVA Architecture
University of Southern California
\$639,148 12 months

Electrical Engineering

Patrick J. Fay

Ultra-High Speed E/D HEMT ADCs
University of Illinois, Urbana
\$180,061 36 months

Douglas C. Hall, Gregory L. Snider, et al.
 AASERT: III-V MOSFET and Interface Studies
 Department of the Air Force
 \$122,891 36 months

Gerald J. Iafrate
 Quantum Transport and Electric Field Dependent
 Processes
 Department of the Navy
 \$498,814 36 months

Gerald J. Iafrate and Wolfgang Porod
 Dielectric Response and Control Theory in
 Microelectronics
 DARPA
 \$475,181 36 months

Craig S. Lent, Gregory L. Snider, et al.
 Quantum-dot Cellular Automata
 Department of the Army
 \$3,540,456 36 months

Wolfgang Porod and Craig S. Lent
 Nanoelectronics
 Arizona State University
 \$783,000 36 months

Kaneb Center for Teaching and Learning

Barbara E. Walvoord
 Departmental Action for Student Learning
 Department of Education
 \$219,690 36 months

Mathematics

Jianguo Cao
 Geometric Analysis
 National Science Foundation
 \$100,935 36 months

Karen Chandler
 Special Linear Systems in Algebraic Geometry
 National Science Foundation
 \$83,446 36 months

Matthew J. Dyer
 Geometry and Representation Theory from Coxeter
 Groups
 National Science Foundation
 \$84,133 36 months

William G. Dwyer, Laurence R. Taylor, et al.
 Algebraic and Geometric Topology
 National Science Foundation
 \$503,598 48 months

Leonid Faybusovich
 Geometry Control and Optimization
 National Science Foundation
 \$92,650 36 months

Qing Han
 Partial Differential Equations and Variational Problems
 National Science Foundation
 \$97,144 36 months

A. Alexandrou Himonas
 Partial Differential Equations and Several Complex
 Variables
 National Science Foundation
 \$97,418 36 months

George McNinch
 Representation Theory in Positive Characteristics
 National Security Agency
 \$24,550 24 months
 Representation Theory in Positive Characteristic
 National Science Foundation
 \$80,699 36 months

Juan C. Migliore and Chris S. Peterson
 Gorenstein Liaison
 National Security Agency
 \$54,648 24 months
 Gorenstein Liaison Theory
 National Science Foundation
 \$146,987 36 months

Mei-Chi Shaw
 Partial Differential Equations and Several Complex
 Variables
 National Science Foundation
 \$121,846 36 months

Dennis M. Snow
 Complex Homogeneous Manifolds
 National Science Foundation
 \$94,595 36 months

Physics

Albert-Laszlo Barabási
 Spatial Ordering of Self-Assembled Quantum Dots
 Department of the Air Force
 \$302,100 36 months

David P. Bennett and Sun Hong Rhie
 Detection of Extra-Solar Planets
 National Aeronautics and Space Administration
 \$50,000 12 months

Bruce A. Bunker
 X-ray Studies of Ordering in Liquids Near Interfaces
 National Science Foundation
 \$279,833 36 months

James A. Glazier
 Dynamics and Rheology of Liquid Foams
 National Science Foundation
 \$1,239,998 60 months
 U.S.-Brazil Cooperative Research: Cellular Patterns
 National Science Foundation
 \$17,295 36 months

Terrence W. Rettig
 Search for Dim Companions Embedded in Circumstellar
 Disks
 National Science Foundation
 \$120,099 36 months

Randal C. Ruchti, Nripendra N. Biswas, et al.
 CMS Experiment at CERN/LHE
 Northeastern University
 \$37,116 12 months

Steven T. Ruggiero

Travel to SMEA Workshop '98
Purdue University
\$3,175 8 months

Jonathan R. Sapirstein

Weak and QED Radiative Corrections in Atomic Physics
National Science Foundation
\$123,642 36 months

Uri Sarid

Supersymmetry and Unification: Gauge Mediation and Beyond
National Science Foundation
\$245,344 60 months

Psychology**E. Mark Cummings**

Family Process, Emotional Security, and Child Adjustment
University of Rochester
\$156,851 12 months

PROPOSALS FOR FACILITIES AND EQUIPMENT

Electrical Engineering**Howard A. Blackstead**

Microwave and Optical Studies of HTSC
Purdue University
\$45,682 12 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

Biological Sciences**John G. Duman, Michelle A. Murphy, et al.**

Howard Hughes Undergraduate Biological Sciences Program
Howard Hughes Medical Institute
\$2,198,562 48 months

Chemistry and Biochemistry**Karen M. Morris**

Community Based Learning in Science
Indiana Campus Compact
\$9,154 9 months

Center for the Study of Contemporary Society**Sheridan P. McCabe**

Student Experiential Program of Work with Homeless
Retirement Research Foundation
\$34,231 12 months

Mathematics**Alexander J. Hahn and Clive R. Neal**

Mathematics/Science Curriculum Reform at Notre Dame
National Science Foundation
\$253,532 24 months

PROPOSALS FOR OTHER PROGRAMS

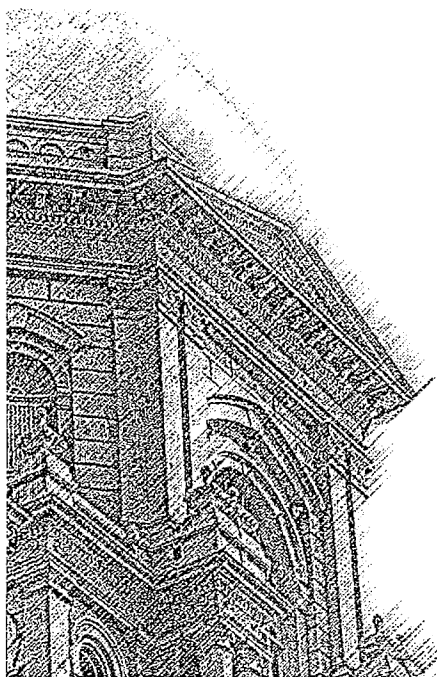
Educational Talent Search**Warren G. Outlaw, Mario Borelli, et al.**

Talent Search
Department of Education
\$1,888,094 60 months

Law School**James A. Roemer**

Minority Law Intern
Indiana Campus Compact
\$2,000 7 months

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