

NOTRE DAME REPORT

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FACULTY NOTES

Appointments

Kevin M. Rooney, director of undergraduate admissions since 1984, has been named an assistant dean in the First Year of Studies effective July 1. He will create programs for talented first-year students, assess the relationships between admissions criteria and students' performance at Notre Dame and provide overall support in the administration of the First Year of Studies.

Honors

Peri E. Arnold, professor of government and international studies and director of the Hesburgh Program in Public Service, has been invited to join the editorial board of *Presidential Studies Quarterly*.

Matthew J. Barrett, associate professor of law, was appointed to a three-year term on the Committee on Audit and Association Investment Policy for the Association of American Law Schools.

Cara Carroccia, assistant professor of architecture, was elected a fellow of the Royal Society of the Arts.

Philip Gleason, professor emeritus of history, received the Theodore M. Hesburgh Award at a ceremony held in Washington, D.C., Feb. 4. The award is given annually by the Association of Catholic Colleges and Universities to an individual who has made an outstanding contribution to Catholic higher education.

Sr. Mary Catherine Hilkert, O.P., associate professor of theology, received the first Sophia Award from the Washington Theological Union in Washington, D.C. This award was established this year to honor a theologian whose work has contributed to an understanding of the contemporary church.

Rev. Edward A. Malloy, C.S.C., president and professor of theology, has been elected to the national board of trustees of the Boys and Girls Clubs of America. As a national trustee, he will help generate support for the club's annual campaign, which supports programs and services provided by the national organization to local clubs and communities.

Karamjit S. Rai, professor of biological sciences, has been elected a fellow of the National Academy of Sciences of India. His election recognizes his more than three decades of research in vector biology and genetics.

Thomas J. Schlereth, professor of American studies and concurrent professor of history, was reappointed to the

National Board of Advisors working with the Library of Congress staff in the preparation of the major exhibition "Treasures of the Library of Congress" scheduled to open to the public in late 1997. He has been named as a historical consultant to the television series, *The American Experience*, jointly produced by WGBH-TV (Boston) and the Corporation for Public Broadcasting (New York/Washington).

Roger B. Skurski, professor of economics, associate dean of arts and letters and director of the Center for the Study of Contemporary Society, was elected vice president at large of the National Association of Forensic Economics.

John J. Uhran Jr., professor of electrical engineering and computer science and engineering and associate dean of engineering, has begun a two-year term as a member of the board of directors of the American Society of Engineering Education.

Eugene Ulrich, professor of theology, received the Award Medal of the University of Helsinki, Finland, for his leadership in publishing the Dead Sea Scrolls, Feb. 12.

Raimo Väyrynen, professor of government and international studies and Regan director of the Kroc Institute, has been appointed the chairperson of the board of the Copenhagen Peace Research Institute for a three-year period, 1997 to 1999, by the Danish Ministry of Research and Technology.

Activities

Panos J. Antsaklis, professor of electrical engineering, gave a talk titled "Supervisory Control of Petri Nets with Uncontrollable/Unobservable Transitions" and chaired the session on "Petri Nets" at the 35th IEEE Conference on Decision and Control in Kobe, Japan, Dec. 11-13. He gave an invited talk on "Hybrid Systems" at the Department of Electrical and Computer Engineering of Rice University in Houston, Tex., Feb. 10.

Peri E. Arnold, professor of government and international studies and director of the Hesburgh Program in Public Service, discussed prospects for President Clinton's second term as a guest on the Milton Rosenberg Show on WGN Radio, Chicago, Ill., Jan. 20.

Howard A. Blackstead, professor of physics, co-authored the papers "Observation of Josephson Vortices in Crystalline $Y_{1-u}Pr_uBa_2Cu_3O_7$ " with **David B. Pulling**, assistant professional specialist in physics, and **B. Jayaram**, and "Insulators and Superconductors: Predictions" with **J.D. Dow** presented at the fall 1996 Materials Research Society Conference in Boston, Mass., Dec. 2.

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Jay W. Brandenberger, associate professional specialist in the Center for Social Concerns and concurrent assistant professor of psychology, presented "Developmental Perspectives of Service Learning: Directions for Research and Practice" and served as an invited panelist in the session "Experiential Learning in International/Intercultural Settings" at the annual meeting of the National Society for Experiential Education in Snow Bird, Utah, Oct. 24-26. He presented "Youth, Poverty, and Violence" at the Charles Martin Center in South Bend, Ind., Feb. 6.

Daniel J. Costello, chairman and professor of electrical engineering, presented a talk titled "A Brief Overview of Turbo Codes" at the Electrical Engineering Department Seminar at Purdue University in West Lafayette, Ind., Jan. 22.

James T. Cushing, presented a physics colloquium titled "Need Quantum Mechanics Be Indeterministic?" at Indiana University in Bloomington, Ind., Feb. 12.

Kevin Dreyer, assistant professional specialist in communication and theatre, created the scenic design for the Department of Communication and Theatre's production of "A Christmas Carol" at the University of Notre Dame, Notre Dame, Ind., Nov. He designed the lighting for Southhold Dance Theatre's "Nutcracker" and designed and executed scenery for Indiana Opera North's production of "Amahl and the Night Visitors" in South Bend, Ind., Dec.

Keith J. Egan, adjunct professor of theology, gave the presentation "Faculty Formation and the Catholic Tradition" at the annual meeting of the Association of Catholic Colleges and Universities in Washington, D.C., Feb. 5. He presented five lectures on "The Meals of Jesus" to adult education members of First United Methodist Church of Plymouth, Ind., in Swan Lake, Ind., Feb. 14-15.

Barbara J. Fick, associate professor of law, presented the lecture titled "Sexual Harassment in the Medical Profession" to residents and interns at St. Mary's Community Hospital in South Bend, Ind., Feb. 20.

Teresa Ghilarducci, associate professor of economics, spoke in the Teamsters Local Union 364 Public Talks Speaker Series on privatizing Social Security in South Bend, Ind., Jan. 29. She testified in the House Education and Work Force Committee on Defusing the Retirement Time Bomb in Washington, D.C., Feb. 12. She gave two presentations to the new leadership program of the International Union of Brick Layers and Allied Craft workers at the George Meaney Center in Silver Spring, Md., Feb. 11.

Douglas C. Hall, Clark assistant professor of electrical engineering, presented the paper "Prism Coupling Measurements of the Refractive Index of $\text{Al}_x\text{Ga}_{1-x}\text{As}$ Native Ox-

ides" at the workshop on Native Oxides of Compound Semiconductors in San Antonio, Tex., Feb. 19-20.

Glenn Hendler, assistant professor of English, chaired a panel titled "The Wild Boys: Burroughs, Rechy, and White" at the 25th annual Twentieth-Century Literature Conference at the University of Louisville in Louisville, Ky., Feb. 20-22.

Sr. Mary Catherine Hilkert, O.P., associate professor of theology, served as the invited preacher for the celebration in honor of Thomas Aquinas at the Aquinas Institute of Theology in St. Louis, Mo., Jan. 23. She gave the inaugural Holy Wisdom lecture "Preaching the Wisdom of the Cross" at the Washington Theological Union in Washington, D.C., Feb. 23.

George A. Lopez, professor of government and international studies and fellow in the Kroc Institute, served as the chair and commentator for the first working conference of recipients for MacArthur Foundation grants in peace and international cooperation in Chicago, Ill., Nov. 14-15. He chaired the selection committee for the foundation's 1996 program for grants in research and writing in peace and international cooperation, Dec. 11-13. He presented the paper, co-authored with **David Cortright**, guest lecturer in the Kroc Institute, "Sanctions and Incentives as Tools for Conflict Prevention" at the third annual conference on Preventive Action for the Council on Foreign Relations in New York, N.Y., Dec. 12.

Grant Mathews, professor of physics, gave the invited talk "Numerical Relativistic Hydrodynamics Results Relevant to Gravity Wave Detectors" at the Aspen winter conference on Gravitational Waves and Their Detection at the Center for Physics in Aspen, Colo., Jan. 30. He gave the Physics Department Colloquium titled "Instabilities in Close Neutron Star Binaries" at Hope College in Holland, Mich., Feb. 5. He gave the Theoretical Astrophysics Colloquium titled "Instabilities in Close Neutron Star Binaries" and gave the Astronomy Colloquium titled "Halo White Dwarfs and the Hot Intergalactic Medium" at the University of Arizona in Tucson, Ariz., Feb. 17.

Paul McGinn, associate professor of chemical engineering, presented a talk titled " $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ /Ag-Pd Composite Tape Low pO_2 Zone Melt Texturing" and co-authored poster presentations titled "Interactions of Ce-based Additions with the Melt During Texturing of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ " and "Microstructure of Zone Melt Textured $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ /Ag-Pd Composite Wire" at the MISCOS group meeting at Indiana University in Bloomington, Ind., Feb. 5-7. He co-organized a five-session symposium titled "High Temperature Superconductors" at the TMS annual meeting in Orlando, Fla., Feb. 9-13. He presented talks titled "Interactions of Ce-based Additions with the Melt During Texturing of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ " and "Segregation of Second Phase

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Particles During Melt Texturing of $\text{YBa}_2\text{Cu}_3\text{O}_{7.8}$ " at that symposium. He presented reports at meetings of the Student Affairs Committee and the Electronic, Magnetic and Photonic Materials Division Council of TMS.

Thomas J. Mueller, Roth-Gibson professor of aerospace and mechanical engineering, presented a seminar titled "Experimental Aerodynamics and Aeroacoustics of Unsteady Flows" at the Institute for Aerospace Studies at the University of Toronto in Toronto, Canada, Feb. 6.

Rev. Thomas F. O'Meara, O.P., Warren professor of theology, gave the lecture, "The Challenge of Fundamentalism" at the annual lecture sponsored by the Anti-Defamation League and the Catholic Diocese of Cleveland in Cleveland, Ohio, Jan. 26. He gave the seminar "Issues in Catholic Theology and Education for the Ministry" at St. Mary's Seminary in Cleveland, Ohio, Jan. 27. He presented the lecture "The Ministry of Priest and Expanding Ministries" at the Catholic Theological Union in Chicago, Ill., Feb. 9.

William A. O'Rourke, professor of English, gave a fiction reading in the Visiting Writers Series at Butler University in Indianapolis, Ind., Feb. 6.

Peter Schiffer, assistant professor of physics, gave the Condensed Matter Seminar titled "The Compositional Phase Diagram of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ " at the University of Wisconsin in Madison, Wis., Feb. 6, and at the University of Chicago in Chicago, Ill., Feb. 17.

Patrick J. Schiltz, associate professor of law, was interviewed about clergy sexual abuse on the Fox News Channel, Feb. 17. He made several appearances on WSBT-TV regarding the O.J. Simpson litigation during the weeks of Jan. 19, Jan. 26 and Feb. 2.

Thomas J. Schlereth, professor of American studies and concurrent professor of history, gave the keynote address "Seven Wonders of the American Enlightenment's Material World" at the meeting of the Society for Eighteenth-Century Studies at the Indianapolis Museum of Art in Indianapolis, Ind., Oct. 17. He worked as a historical consultant to the National Park Service at several of its sites between April and November 1996, and with the curatorial staff of the State Historical Society of Wisconsin in August through November.

Thomas L. Shaffer, Short professor of law, gave the inaugural Glen Tabor Lecture in Legal Ethics titled "On Living the Same Way in Town and at Home" and conducted a continuing legal education seminar for practicing lawyers at Valparaiso University in Valparaiso, Ind., Feb. 13. He led a law-faculty colloquium in the Law School and gave guest lectures in two legal-ethics courses at Valparaiso University, Feb. 14.

Dennis M. Snow, associate professor of mathematics, gave a colloquium titled "Dolbeault Cohomology of Homogeneous Vector Bundles" at McGill University in Montreal, Canada, Jan. 31.

John J. Uhran Jr., professor of electrical engineering and computer science and engineering and associate dean of engineering, and **Eugene Henry**, professor of computer science and engineering, presented a paper titled "Engineering Design for the Global Environment" at the IGIP World Congress in Budapest, Hungary, July 3. Uhran gave the invited talk "Path Planning for Robots: Theory and Practice" to the group on Cellular Neural Networks at the Hungarian Academy of Sciences in Budapest, Hungary, July 4. He presented a paper co-authored with **Danny Z. Chen**, assistant professor of computer science and engineering, and Robert Szczerba, graduate student, titled "An Efficient Approach for Determining Shortest Paths Among 2-D and 3-D Weighted Regions" at the CESA-'96 IMACS multiconference in Lille, France, July 10.

Eugene Ulrich, professor of theology, was invited to present the principal lecture at the annual meeting of the Finnish Exegetical Society titled "The Shape of the Scriptures at the Time of Christ and Hillel" in Helsinki, Finland, Feb. 13. He presented a lecture titled "The Community of Israel and the Composition of the Scriptures" at the Swedish university Åbo Akademi in Turku, Finland, Feb. 14. He presented "The Scriptures at the Time of Christ, and Therefore *The Qumran Bible*" at the University of Helsinki in Helsinki, Finland, Feb. 19.

Raimo Väyrynen, professor of government and international studies and director of the Kroc Institute, co-organized and co-chaired an international conference on the "Early Identification and Prevention of Violent Conflicts in Post-Communist States" in Moscow, Russia, Feb. 13-15. He presented one of the four key papers on "The Dilemmas of Humanitarian Action" to the conference on Humanitarian Response and Preventing Deadly Conflict organized by the Carnegie Commission on Preventing Deadly Conflict and the U.N. High Commissioner for Refugees in Geneva, Switzerland, Feb. 16-17.

Rev. James F. White, professor of theology, gave the lecture "Trends in Music, Worship, and Theology Since the Reformation" at St. Luke's Episcopal Church in Darien, Conn., Oct. 16. He gave the talk "United Methodist Worship: Whence and Whither?" at Garret Evangelical Theological Seminary in Evanston, Ill., March 5.

Eduardo E. Wolf, professor of chemical engineering, presented a seminar titled "Novel Approaches to Catalyst and Reactor Design" at the School of Chemical Engineering at Purdue University in West Lafayette, Ind., Feb. 13.

ADMINISTRATORS' NOTES

Appointments

Kitty Cooney Hoyer has been appointed to the newly created position of director of the Office of Career Services and Law School Relations in the Notre Dame Law School. Most recently director of career services in the Law School, Hoyer now will oversee placement activities as well as publications and alumni relations. She also will serve as the law school's liaison with the University development office.

Mary Ellen Koepfle has been appointed director of the Office of Research and Sponsored Programs Accounting. Coincident with Koepfle's appointment, the name of the office, formerly the Office of Restricted Funds Accounting, has been changed to reflect Notre Dame's growing research base and the increasing complexity of federal guidelines and tax issues relative to research and sponsored program activities. Koepfle, acting director since January 1996, is responsible for administering the multi-million dollar federal and nonfederal grants and contracts awarded annually to the University.

Honors

Kim Hocker, superintendent of golf, has been elected vice president of the Michiana Golf Course Superintendents Association for 1997.

Timothy Truesdell, director of development research, was elected vice president of the Indiana chapter of the Association of Professional Researchers for Advancement at its board of directors meeting in Indianapolis, Ind., Jan. 24.

Activities

Richard W. Conklin, associate vice president for University relations, presented "Crisis Management: A Light-Hearted but Informative Look at the Principles of Damage Control" at the 10th annual meeting of the National Association of Presidential Assistants in Higher Education in Washington, D.C., Feb. 22.

Publications

Alan S. Bigger, director of building services, and Linda B. Bigger, assistant director of purchasing, wrote "101 Dalmatians: What Stops Our World From Going to the Dogs (or Cats)?" published in the March 1997 issue of *Executive Housekeeping Today*. They wrote "Maximizing Vacuum Performance" published in the February 1997 issue of *Maintenance Solutions*.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Current Publications and Other Scholarly Works

Correction to *Notre Dame Report* #11:

LAW SCHOOL

Bauer, Joseph P.

- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 1. Cincinnati: Anderson Publishing. iv + 52 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 2. Cincinnati: Anderson Publishing. iv + 351 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 3. Cincinnati: Anderson Publishing. iv + 75 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 4. Cincinnati: Anderson Publishing. iv + 71 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 5. Cincinnati: Anderson Publishing. iv + 36 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 6. Cincinnati: Anderson Publishing. iv + 57 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 7. Cincinnati: Anderson Publishing. iv + 32 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 8. Cincinnati: Anderson Publishing. iv + 94 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 9. Cincinnati: Anderson Publishing. iv + 45 pp.
- E.W. Kintner and J.P. Bauer. 1997. Cumulative Supplement in *Federal Antitrust Law*. Vol. 10. Cincinnati: Anderson Publishing. iv + 28 pp.

COLLEGE OF ARTS AND LETTERS

Anthropology

DaMatta, Roberto A.

- R.A. DaMatta. 1997. Understanding Messianism in Brazil: Notes from a Social Anthropologist. *Inter-American Development Bank Cultural Center Publication* 17 (Sept.): 1-15.

Classical and Oriental Languages and Literatures

Forbis Mazurek, Elizabeth

- E. Forbis. 1996. *Municipal Virtues in the Roman Empire*. Stuttgart and Leipzig: B.G. Teubner Press. 299 pp.

Core Course

Langford, James R.

- J.R. Langford. 1997. *Happy Are They: Living the Beatitudes in America*. New York: Triumph Books. xi + 176 pp.
- J.R. Langford. 1996. Both Catholic and Scholarly. In *Labors from the Heart: Mission and Ministry in a Catholic University*, ed. M. Poorman, C.S.C., 115-118. Notre Dame: University of Notre Dame Press.

Communication and Theatre

Radner, Hilary

- P. Sulkunen, J. Holmwood, H. Radner and G. Schulze. 1997. *Constructing the New Consumer Society*. London, U.K.: Macmillan. 312 pp.

English

O'Rourke, William A.

- W.A. O'Rourke. 1997. Forward to the Past. In *SLF Album: An Informal History of the Sophomore Literary Festival 1967-1996*, by L. DeCicco, xiii-xxii. Notre Dame: University of Notre Dame Press.
- W.A. O'Rourke. 1996. Is There a Connection Between Watergate and Whitewater? *Chicago Tribune*, Dec. 10, sec 1, p. 13.

Government and International Studies

Arnold, Peri E.

- P.E. Arnold. 1996. Policy Leadership in the Progressive Presidency: The Case of Theodore Roosevelt's Naval Policy and His Search for Strategic Resources. *Studies in American Political Development* 10 (Fall): 333-359.

McAdams, A. James

- A.J. McAdams. 1997. Germany after Unification: Normal at Last? *World Politics* 49 (2): 282-308.

Sociology

Weigert, Andrew J.

- A.J. Weigert. 1997. *Self, Interaction, and Natural Environment*. Albany, N.Y.: State University of New York Press. viii + 218 pp.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Theology

Bradshaw, Paul F.

- P.F. Bradshaw and L.A. Hoffman. 1997. *Life Cycles in Jewish and Christian Worship*. Notre Dame: University of Notre Dame Press. 303 pp.
- P.F. Bradshaw. 1996. Cathedral and Monastery: Two Ways of Praying. In *The Contemplative Path: Reflections on Recovering a Neglected Tradition*, ed. E.R. Elder, 25-37. Kalamazoo: Cistercian Publications.
- P.F. Bradshaw. 1996. An Ecumenical Ordination Prayer? *Studia Liturgica* 26:202-208.
- P.F. Bradshaw. 1996. Priester/Priestertum. *Theologische Realenzyklopadie* 27:414-421.
- P.F. Bradshaw. 1996. The Shape of the Ordination Liturgy. In *A Prayer Book for the 21st Century*, ed. R.A. Meyers, 146-155. New York: Church Hymnal Corporation.
- Hilkert, Mary Catherine
- M.C. Hilkert. 1997. *Naming Grace: Preaching and the Sacramental Imagination*. New York: Continuum. 252 pp.
- Ulrich, Eugene
- E. Ulrich and P.W. Skehan. 1996. An Edition of 4QIsa^a, Including the Former 4QIsa¹. In *Hommage à Józef T. Milik*, ed. F. García Martínez and É. Puech, 23-36. Paris: Gabalda.

COLLEGE OF SCIENCE

Biological Sciences

Lamberti, Gary A.

- P.M. Charlebois and G.A. Lamberti. 1996. Invading Crayfish in a Michigan Stream: Direct and Indirect Effects on Periphyton and Macroinvertebrates. *Journal of North American Benthological Society* 15 (4): 551-563.
- T.G. Horvath, G.A. Lamberti, D.M. Lodge and W.L. Perry. 1996. Zebra Mussel Dispersal in Lake-stream Systems: Source-sink Dynamics? *Journal of North American Benthological Society* 15 (4): 564-575.
- Lodge, David M.
- See under Lamberti, Gary A. 1996. *Journal of North American Benthological Society* 15 (4): 564-575.

Chemistry and Biochemistry

Bretthauer, Roger K.

- See under DeFord, Melanie E. 1997. *Biotechnology and Applied Biochemistry* 25:63-74.
- Castellino, Francis J.
- See under DeFord, Melanie E. 1997. *Biotechnology and Applied Biochemistry* 25:63-74.
- Chibber, Bakshy A.K.
- See under DeFord, Melanie E. 1997. *Biotechnology and Applied Biochemistry* 25:63-74.

DeFord, Melanie E.

- S.L. Nilsen, M.E. DeFord, M. Prorok, B.A.K. Chibber, R.K. Bretthauer and F.J. Castellino. 1997. High-level Secretion in *Pichia pastoris* and Biochemical Characterization of the Recombinant Kringle 2 Domain of Tissue-type Plasminogen Activator. *Biotechnology and Applied Biochemistry* 25:63-74.
- Fehlner, Thomas P.
- K.J. Deck, P. Brenton and T.P. Fehlner. 1996. Substitution on Metallaboranes at Boron. Synthesis of *closo*-1-X-[2,3,4-(η^5 -C₅Me₅)₃(μ -H)₂Co₃B₂H]₃, X=Cl and OH, and *closo*-1,5-Cl₂-[2,3,4-(η^5 -C₅Me₅)₃(μ -H)₂Co₃B₂H]₃ from *closo*-[2,3,4-(η^5 -C₅Me₅)₃(μ -H)₂Co₃B₂H]₃. *Inorganic Chemistry* 36:554-558.
- Hammes-Schiffer, Sharon
- S. Hammes-Schiffer. 1996. Multiconfigurational Molecular Dynamics with Quantum Transitions: Multiple Proton Transfer Reactions. *Journal of Physical Chemistry* 100 (6): 2236-2246.
- Scheidt, W. Robert
- K.E. Brancato-Buentello, A.G. Coutsolelos and W.R. Scheidt. 1996. Chloro (2,3,7,8,11,12,17,18-octaethyl-porphinato)gallium(III). *Acta Crystallographica Section C* C52:2707-2710.
- See under Shang, Maoyu. 1996. *Inorganic Chemistry* 35:3733-3734.
- Shang, Maoyu
- M. Mazzanti, M. Veyrat, R. Ramasseul, J-C. Marchon, I. Turowska-Tyrk, M. Shang and W.R. Scheidt. 1996. A New Ruthenium(II) Chirporphyrin Containing a Multipoint Recognition Site: Enantioselective Receptor of Chiral Aliphatic Alcohols. *Inorganic Chemistry* 35:3733-3734.

Mathematics

Shaw, Mei-Chi

- M-C. Shaw. 1997. Homotopy Formulas for $\bar{\partial}_b$ in CR Manifolds with Mixed Levi Signatures. *Mathematische Zeitschrift* 224: 113-136.
- Yin, Hong-Ming
- Y. Lin, S. Xu and H-M. Yin. 1997. Finite Difference Approximations for a Class of Nonlocal Parabolic Equations. *International Journal of Mathematics and Mathematical Sciences* 20 (1): 147-164.

Physics

Berry, H. Gordon

- R. Ali, I. Ahmad, R.W. Dunford, D.S. Gemmell, M. Jung, E.P. Kanter, P.H. Mokler, H.G. Berry, A.E. Livingston, S. Cheng and L.J. Curtis. 1997. Shape of the Two-Photon-continuum Emission from the 1s2s's₀ State in He-like Krypton. *Physical Review A* 55:994-1006.

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Blackstead, Howard A.

H.A. Blackstead and J.D. Dow. 1996. Absence of Magnetic Pair-Breaking by Ni in Most High-Temperature Superconductors. *Journal of Low Temperature Physics* 105:699-704.

H.A. Blackstead and J.D. Dow. 1996. Pair-Breaking as a Probe of d-Wave High Temperature Superconductivity. *Journal of Superconductivity* 9:563-570.

H.A. Blackstead, J.D. Dow and D.B. Pulling. 1996. Theory of $\text{Sm}_{1.5}\text{Ce}_{0.5}\text{Sr}_2\text{Cu}_2\text{NbO}_{10}$: Critical Temperature and Doping Effects. *Journal of Low Temperature Physics* 105:705-710.

Livingston, A. Eugene

See under Berry, H. Gordon. 1997. *Physical Review A* 55:994-1006.

Pulling, David B.

See under Blackstead, Howard A. 1996. *Journal of Low Temperature Physics* 105:705-710.

COLLEGE OF ENGINEERING

Chemical Engineering

McGinn, Paul J.

U. Balachandran, P.J. McGinn and J.S. Abell, eds. 1996. *High Temperature Superconductors: Synthesis, Processing and Large-Scale Applications*. Warrendale, Pa.: Minerals, Metals and Materials Society. 365 pp.

C. Varanasi, A. Banerjee, S. Yeung and P. McGinn. 1996. Melt Processing of $\text{YBa}_2\text{Cu}_3\text{O}_{7.8}$ with Nd Additions. In *High Temperature Superconductors: Synthesis, Processing and Large Scale Applications*, eds. U. Balachandran, P. McGinn and S. Abell, 249-259. Warrendale, Pa.: Minerals, Metals and Materials Society.

M. Black, P. McGinn and M. Tomsic. 1996. Microstructure of Zone Melt Textured $\text{YBa}_2\text{Cu}_3\text{O}_{7.8}/\text{Ag-Pd}$ Composite Wire. In *High Temperature Superconductors: Synthesis, Processing and Large Scale Applications*, eds. U. Balachandran, P. McGinn and S. Abell, 275-281. Warrendale, Pa.: Minerals, Metals and Materials Society.

Stadtherr, Mark A.

J.U. Mallya and M.A. Stadtherr. 1997. A Multifrontal Approach for Simulating Equilibrium-Stage Processes on Supercomputers. *Industrial and Engineering Chemistry Research* 36 (1): 144-151.

Electrical Engineering

Antsaklis, Panos J.

J.O. Moody and P.J. Antsaklis. 1996. Supervisory Control of Petri Nets with Uncontrollable/Unobservable Transitions. In *Proceedings, 35th IEEE Conference on Decision and Control*, Kobe, Japan, Dec. 11-13, 4433-4438.

Michel, Anthony N.

M.A. Pai, C.D. Vournas, A.N. Michel and H. Ye. 1997. Applications of Interval Matrices in Power System Stabilizer Design. *International Journal of Electrical Power and Energy Systems* 19 (3) 179-184.

LAW SCHOOL

Fick, Barbara J.

B.J. Fick. 1997. *Review and Assessment of Collective Labor Law in Eight Central European Countries*. Washington, D.C.: Free Trade Union Institute. iii + 74 pp.

B.J. Fick. 1997. The Scope of Employer Liability for Employee Exposure to a Hazardous Substance: No Harm, No Foul? *Preview of United States Supreme Court Cases* (5):311-314.

KROC INSTITUTE FOR INTERNATIONAL PEACE STUDIES

Väyrynen, Raimo

R. Väyrynen. 1997. Towards Effective Conflict Prevention: A Comparison of Different Instruments. *International Journal of Peace Studies* 2 (1): 1-18.

Radiation Laboratory

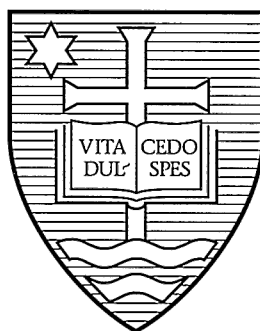
Guldi, Dirk M.

D.M. Guldi, M. Maggini, G. Scorrano and M. Prato. 1997. Intramolecular Electron Transfer in Fullerene/Ferrocene Based Donor-Bridge-Acceptor Dyads. *Journal of American Chemical Society* 119 (5): 974-980.

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