

# notre dame report

---

## contents

### the university

- 41 Beck Foundation Scholarship Fund
- 41 Rambend Gift to Notre Dame
- 42 Conference to Mark Vatican II
- 42 Satellite Telecommunication
- 42 New Check Endorsement Procedures

### faculty notes

- 43 Appointments
- 43 Honors
- 29 Activities

### administrators' notes

- 46 Appointments
- 46 Honors
- 46 Activities

### documentation

- 47 Letter From the Provost
- 48 Library Hours During Fall Break  
October 14-23, 1988

### advanced studies

- 49 Current Publications and Other Scholarly  
Works

88-89

September 30, 1988

number 3

---

# the university

---

## beck foundation scholarship fund

The University has received a \$150,000 commitment from the Elsie E. and Joseph W. Beck Foundation of Shrewsbury, N.J., to establish a scholarship fund. Since its incorporation in January 1973, the foundation has focused on making unrestricted grants to institutions of higher learning throughout the country as well as restrictive grants for certain scholarship programs. When the Becks' combined final estates were concluded in 1984, the majority of their assets passed to the Foundation to help continue fostering previous goals and ideals. A Foundation spokesman said, "This benefaction of \$150,000 to the University of Notre Dame represents one of the largest contributions and commitments which the Foundation has made to any donee organization, reflecting the high esteem which its trustees hold for Notre Dame."

## rambend gift to notre dame

The University has received the first installment of a \$40,000 gift from the Rambend Realty Corporation of South Bend, owners of the South Bend Ramada Inn, to establish an undergraduate scholarship fund. In presenting the gift, John R. Walz, secretary and treasurer of Rambend Realty, said, "My partners, Frank Meloy and Mervin Lung, and I are pleased to assist the University of Notre Dame. We believe our commitment is a sound investment and makes good business sense because it supports an organization that has a positive cultural and economic impact upon our community."

---

Vol. 18, No. 3

September 30, 1988

Notre Dame Report (USPS 7070-8000) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Department of Public Relations and Information. Second-class postage paid at Notre Dame, Ind. Postmaster: Please send address corrections to: Records Clerk, Department of Human Resources, Brownson Hall, University of Notre Dame, Notre Dame, Ind. 46556

© 1988 by the University of Notre Dame, Ind. 46556. All rights reserved.

---

---

## conference to mark vatican II

The University will celebrate the 25th anniversary of the closing of the Second Vatican Council by holding a major international academic conference during the fall semester of 1990. Provost Timothy O'Meara has appointed a seven-member faculty committee to plan the conference. Rev. Richard P. McBrien, chairman and Crowley-O'Brien-Walter professor of theology, will chair the committee. Other members are Frederick J. Crosson, Cavanaugh professor of humanities for the program of liberal studies; Catherine LaCugna, associate professor of theology; David Legee, professor of government and international studies and director of the Hesburgh Program in Public Service; Rev. Thomas F. O'Meara, O.P., Warren professor of theology; Patricia O'Hara, associate professor of law; and Rev. Robert S. Pelton, C.S.C., director of the Institute for Pastoral and Social Ministry.

## satellite telecommunication

On October 9 the University will become the first university to provide interactive educational programming to alumni via satellite transmission.

The initial program in a series "The American Family: A Challenged Tradition" will be beamed from the University to six Notre Dame alumni clubs. Audiences at the locations--Albany, N.Y.; Columbus, Ohio; Menlo Park, Oakland, San Anselmo, and San Diego, Calif.--will view the program live and have the opportunity to contribute comments and questions by telephone. The program "The Dual Career Family: Its Liberties and Liabilities" will include the following panelists: Teresa Ghilarducci, assistant professor of economics, Rev. Andre Leveille, C.S.C., director of campus ministry, and Toni Henke-Wheeler, clinical psychiatrist for Family and Children's Services, Inc., South Bend, Ind.

## new check endorsement procedures

To facilitate faster check clearing and to limit the hold period on checks, the Federal Reserve Board has adopted Regulation CC. This regulation limits the endorsement on a check to a specific area. Since these new endorsement procedures affect all University departments that handle and endorse checks, these departments should contact the Cashier's Office to obtain a copy of the procedures.

# faculty notes

---

## appointments

Sr. Mary Ewens, O.P., adjunct professor in the arts and letters core courses, has been appointed associate director of the Charles and Margaret Hall Cushwa Center for the Study of American Catholicism by Provost Timothy O'Meara. A Sinsinawa Dominican nun and former president of Edgewood College, she received doctoral and master's degrees in American studies from the University of Minnesota and has taught English, history, American literature, art, religion, music, and interdisciplinary courses.

LT. Lynnette C. Metcalf, U.S.N., assistant professor of naval science, was promoted by the Navy to the rank of Lieutenant Commander. LCDR. Metcalf, of Palmdale, Calif., has been assigned to the Naval ROTC Unit at the University since August 1987.

Sr. Aquin O'Neill, R.S.M., has been appointed visiting associate professor of theology and undergraduate coordinator of the University's Jerusalem program in Tantur. She holds a master's and doctoral degrees in moral theology from Vanderbilt University and has taught at Loyola College in Baltimore, Md., and at Salve Regina College in Newport, R.I.

## honors

Joseph Blenkinsopp, O'Brien professor of Old Testament studies, department of theology, has been elected president of the Catholic Biblical Association for the 1988-89 academic year.

John G. Borkowski, professor of psychology, was appointed chair of the M.R.R.C. study section, National Institutes of Health.

Robert A. Howland, associate professor of aerospace and mechanical engineering, has been elected to the governing committee of the division on Dynamical Astronomy in the American Astronomical Society.

Anthony Kerrigan, senior guest scholar in the Kellogg Institute for International Studies, has been awarded a senior fellowship in literature grant by the National Endowment for the Arts.

Rev. Edward A. Malloy, C.S.C., president and professor of theology, has been named to the Bishops and Presidents' Committee of the Association of Catholic Colleges and Universities. The group was formed in 1974 to foster collaboration between the American hierarchy and the heads of Catholic institutions of higher learning in the United States.

Paul J. McGinn, assistant professor of materials science and engineering, was named to the Superconducting Materials Committee of the Metallurgical Society.

---

## activities

Panos J. Antsaklis, associate professor of electrical and computer engineering, participated as an invited panelist in a discussion "Machine Learning in a Dynamic World: A Joint Venture of Artificial Intelligence and Control" at the third I.E.E.E. International Symposium on Intelligent Control held at Arlington, Va., Aug. 24-26.

Victor J. Bierman, Jr., associate professor of civil engineering, gave a presentation titled "Partitioning of Organic Chemicals in Sediments: Estimation of Interstitial Concentrations Using Organism Body Burdens" at a workshop on Transport and Transformation of Contaminants Near the Sediment - Water Interface, U.S. Environmental Protection Agency, Narragansett, R.I., Aug. 29-31.

Rev. Austin I. Collins, C.S.C., assistant professor of art, art history, and design, gave a solo sculpture exhibition at Marbeck Center Gallery, Bluffton College, Bluffton, Ohio, Sept. 1-Oct. 3. He gave another solo sculpture exhibition at the Reicher Gallery, Barat College, Lake Forest, Ill., Sept. 8-Oct. 1. He was also part of a group sculpture exhibition at 14 Sculptors Gallery, New York, N.Y., Sept. 27-Oct. 15.

Daniel J. Costello, Jr., professor of electrical and computer engineering, gave the papers "Bandwidth Efficient Coding on Channels With Phase Jitter," "Channel Coding With Multi-Dimensional Trellis Coded Phase Modulation," "Construction of Good Trellis Codes," and "Differential Trellis Coding" at the I.E.E.E. International Symposium on Information Theory, Kobe, Japan, June 19-24. He

presented "Trellis Coded Phase Modulation" and "Bandwidth Efficient Coding Schemes for Satellite Communications" at the International Forum on Information Theory and Its Applications, Tokyo, Japan, June 27-29. He also presented "Cascaded Coding for Error Control" at the Beijing International Workshop on Information Theory, Beijing, China, July 3-7.

Andre Goddu, assistant professor of liberal studies, and Carl Roberts of Iowa State University presented a paper titled "The Decline of Christendom in the Middle Ages: Mannheim's Contribution to the Weber Thesis" in a section on Historical Sociology and its Methods at the 83rd annual meeting of the American Sociological Association in Atlanta, Ga., Aug. 24-28.

William G. Gray, chairman and professor of civil engineering, presented a seminar "A Framework for the Mathematical Description of Multiphase Processes" at the department of mathematics, University of Houston, Tex., Aug. 30.

Robert A. Howland, associate professor of aerospace and mechanical engineering, presented a paper "A New Approach to the Liberational Solution in the Ideal Resonance Problem" at the 1988 meeting of the American Astronomical Society's Division on Dynamical Astronomy in Gaithersburg, Md., July 22-23. He also delivered a talk on the computer implementation of this approach at a special colloquium "Applications of Computer Technology to Dynamical Astronomy" at the International Astronomical Union held in Gaithersburg, July 24-26.

Jeffrey C. Kantor, associate professor of chemical engineering, presented an invited seminar titled "Discrete - Event Models for Batch Chemical Processes" to the Systems Development Group, Shell Development Company, Westhollow Research Center, Houston, Tex., Aug. 31.

V. Paul Kenney, professor of physics, presented an invited paper "Transverse Momentum Measurements for 1.8 TeV pp Interactions in the C-Zero Experiment at the Tevatron" at the 23rd Rencontre de Moriond on Current Issues in Hadron Physics, Les Arcs, France, March 19. He also presented a paper "Status Report on Generic Detector Research and Development" at the 1988 summer study on High Energy Physics in the 1990s, Snowmass, Colo., July 5.

Kwan S. Kim, professor of economics and faculty fellow in the Kellogg Institute, was an invited speaker at the conference "Growth and Equity in Korean Development" organized by the Korean Economic Association in Seoul, Korea, Aug. 3.

Ingemar P.E. Kinnmark, assistant professor of civil engineering, presented a paper titled "Implicit Wave Equation Model of the English Channel and the Southern Part of the North Sea" and chaired one session in simulation of surface water flow at the international conference on Computational Methods in Flow Analysis in Okayama, Japan, Sept. 5-8.

David J. Kirkner, associate professor of civil engineering, chaired a session "Solute Transport in Saturated Porous Media" at the seventh international conference on computational methods in Water Resources held at Massachusetts Institute of Technology, Cambridge, June 13. He also presented the paper "Multicomponent Solute Transport With Moving Precipitation/Dissolution Boundaries" at that conference.

David C. Leege, professor of government and international studies and director of the Hesburgh Program in Public Service, delivered a paper titled "Social Class, Religious Values, and Political Attitudes: Individualism and Communitarianism Among American Catholics" at the Institute for the U.S. and Canada in Moscow, U.S.S.R., June 20, and later participated in seminars at Echmiadzin, Armenian S.S.R., and Alexander Nevsky Lavra Monastery, Leningrad. He chaired the "Roundtable on Religion, Politics, and the Mass Media" at the American Political Science Association's annual convention in Washington, D.C., Sept. 2.

Scott Mainwaring, associate professor of government and international studies and assistant faculty fellow in the Kellogg Institute, presented "Political Parties and Prospects for Democracy in Brazil" at the XIV world congress, International Political Science Association, Washington, D.C., Aug 29.

Mark J. McCready, assistant professor of chemical engineering presented the paper "Characterization of Waves on Thin, Sheared Liquid Films," co-authored with L.A. Jurman and K. Bruno, at the second international symposium on Annular and Dispersed Flows held in Oxford, U.K., Sept. 6-8.

Martin F. Murphy, assistant professor of anthropology, presented an invited paper "Etnicidad y Participacion Social" at Ciclo de Coloquios "La Democracia Dominicana: Experiencias y Desafios," Santo Domingo, Dominican Republic, July 27.

Kenneth F. Ripple, professor of law, gave an invited lecture titled "The Article III Judiciary: The Ideal and the Reality" at Jaworski Constitutional Institute, University of Pennsylvania, Philadelphia, June 22.

James H. Seckinger, director, National Institute for Trial Advocacy, and professor of law, served as a faculty member for the inauguration of the first Southern California Regional Program at Loyola Law School, Los Angeles, Aug. 4. He was a board member for a meeting of the American Judicature Society at the annual American Bar Association meeting, Toronto, Canada, Aug. 5. He also gave an invited lecture "Expert Testimony in Business Litigation" and was a faculty member for the NITA/Price Waterhouse Expert Witness Program, Toronto, Aug 11-12.

A.L. Soens, associate professor of English, presented "Penrod: Whistling on Thin Ice" at Hoosier Writers I sponsored by the Indiana Commission on Humanities, Friends of the Goshen Public Library, Goshen, Ind., Sept. 6.

J. Kerry Thomas, Nieuwland professor of Chemistry, presented the Sandia lecture "Photophysical Studies in Polymer Films, and Clays, Effects of Environment, Geometry, and Mobility" at the University of New Mexico, Albuquerque, Sept. 1. He also presented a seminar "Photophysics in Polymer Films, Light Induced Charge Transfer" at the IBM Corporation, Endicott, N.Y., Sept. 7-8.

M. Katherine Tillman, associate professor in the program of liberal studies, gave a keynote address titled "The Image of a University: Newman's Lesser Known Educational Writings" at the 1988 Newman conference at the University of Massachusetts, Amherst, Aug. 6. She also lectured to the faculty of Holy Cross Junior College, Notre Dame, Ind., on "The Value Today of Traditional Liberal Education," Sept. 15.

G.N.R. Tripathi, professional specialist in the Radiation Laboratory, presented the paper "Time-Resolved Resonance Raman Spectroscopy of Terephthalic Acid Radical Anions" at the XI international conference on Raman Spectroscopy, London, England, Sept. 5-9.

Arvind Varma, professor of chemical engineering, presented a paper titled "An Isothermal Fixed-Bed Reactor With Nonuniformly Active Catalysts: Experiments and Theory" at the 10th international symposium on Chemical Reaction Engineering held in Basel, Switzerland, Aug. 29-Sept. 1. He also presented an invited graduate seminar titled "Optimal Catalyst Activity Profiles in Pellets" at the Institut fur Physikalische und Theoretische Chemie, Universitat Tubingen, Tubingen, West Germany, Sept. 2.

# administrators' notes

---

## appointments

Dennis K. Moore has been named assistant director of public relations and information. Moore's previous experience has included corporate public relations, marketing, and magazine writing and editing. For more than eight years he was a freelance writer and consultant specializing in corporate public information programs. Most recently Moore was creative director of Financial Marketing Corp., Chicago, Ill., a marketing and public relations agency serving the financial services industry.

## honors

Rex J. Rakow, director of security, has been elected to the board of directors for the International Association of Campus Law Enforcement Administrators for a two-year term. He will be the association's representative for schools in Illinois, Indiana, and Michigan.

## activities

William J. Hickey, Jr., director of University Food Services, presented "Food Market" Trends, Concepts, and Values; The Institutional Viewpoint" to the DelMonte Foodservice Sales and Marketing Group for their summer sales meeting in Lake Geneva, Wisc., Sept. 1.

# documen- tation

---

## letter from the provost

Dear Colleagues,

The search committee elected to recommend a successor to Dr. Robert E. Gordon, Vice President for Advanced Studies, is currently seeking suggestions and nominations for the position.

I am chairing the committee of six, elected in a joint session of the Graduate Council and the University Committee on Research and Sponsored Programs. The members are: Francis Castellino (Science), Yusaku Furuhashi (Business Administration), David T. Link (Law), Michael J. Loux (Arts and Letters), Sarah E. Oates (Graduate Student Union), and Roger A. Schmitz (Engineering).

The committee and I consider your input valuable to the search process for this position, so critical to the continued growth of graduate studies and research at Notre Dame. Please address your letters to me within the course of the next month.

I look forward to your assistance and cooperation.

Yours sincerely,

*Timothy O'Meara*

Timothy O'Meara  
Provost



## libraries' hours during fall break october 14-23, 1988

Date	HESBURGH LIBRARY		ENGINEERING AND SCIENCE LIBRARIES
	Building	Public Services	
Fri. Oct. 14	8 a.m.-9:45 p.m.	8 a.m.-4:45 p.m.	8 a.m.-5 p.m.
Sat. Oct. 15	9 a.m.-9:45 p.m.	9 a.m.-4:45 p.m.*	Closed
Sun. Oct. 16	1 p.m.-9:45 p.m.	closed	Closed
Mon. Oct. 17 through Fri. Oct. 21	8 a.m.-9:45 p.m.	8 a.m.-4:45 p.m.	8 a.m.-5 p.m.
Sat. Oct. 22	9 a.m.-9:45 p.m.	9 a.m.-4:45 p.m.*	Closed
Sun. Oct. 23	All libraries return to their regular schedules.		

\* The following public service areas will be open Oct. 15 and 22:

Circulation Services  
Current Periodicals Center  
Reference Center

# advanced studies

---

## current publications and other scholarly works

Current publications should be mailed to the Division of Sponsored Programs, Room 314, Administration Building

### COLLEGE OF ARTS AND LETTERS

#### Anthropology

Gaffney, CSC, Patrick D.

P.D. Gaffney, CSC. 1988. Magic, Miracle and Politics of Narration in the Contemporary Islamic Sermon. Religion and Literature 20(1):111-138.

#### Economics

Ruccio, David F.

D.F. Ruccio. 1988. State, Class, and Transition in Nicaragua. Latin American Perspectives 15(57):50-71.

#### History

Critchlow, Donald T.

D.T. Critchlow and E.W. Hawley. 1988. Editors. Federal Social Policy: The Historical Dimension. The Pennsylvania State University Press, University Park, Pennsylvania. 217 pp.

#### Modern and Classical Languages

Sheerin, Daniel J.

D.J. Sheerin. 1988. Review of A.G. Rigg, ed. and translator, Gawain on Marriage: The Textual Tradition of the De coninge non ducenda. Studies in the Age of Chaucer 10:189-191.

#### Music

Buranskas, Karen L.

K.L. Buranskas and M. Hayashi. 1988. Recital. East/West Artists, Carnegie Recital Hall, New York, New York.

#### Program of Liberal Studies

Fallon, Stephen M.

S.M. Fallon. 1988. 'To Act or Not': Milton's Conception of Divine Freedom. Journal of the History of Ideas 49(3): 425-449.

#### Psychology

Borkowski, John G.

J.G. Borkowski, M. Milstead and C. Hale. 1988. Components of Children's Meta-memory: Implications for Strategy Generalization. Pages 73-100 in, F. Weinert and M. Perlmutter, eds., Memory Development: Individual Differences and Universal Changes. Erlbaum, Hillsdale, New Jersey.

J.G. Borkowski and L.A. Turner. 1988. Cognitive Development. Pages 251-265 in, J. Kavanaugh, ed., Understanding Mental Retardation: Research Accomplishments and New Frontiers. Paul H. Brooks, Baltimore, Maryland.

J.G. Borkowski, R.S. Weyhing and M. Carr. 1988. Effects of Attributional Retraining on Strategy-based Reading Comprehension in Learning Disabled Students. Journal of Educational Psychology 80:46-53.

J. Belmont and J.G. Borkowski. 1988. A Group Test of Children's Metamemorial Knowledge. Bulletin of the Psychonomic Society 26:206-208.

#### Sociology

Christiano, Kevin J.

K.J. Christiano. 1988. Teaching Social Stratification: Some Moral and Humanistic Concerns. Pages 1-6 in, C.J. Auster, ed., Syllabi and Instructional Materials for Social Stratification. Teaching Resources Center, American Sociological Association, Washington, D.C.

K.J. Christiano. 1988. "Class, Status, and Power" Course Materials. Pages 39-55 in, C.J. Auster, ed., Syllabi and Instructional Materials for Social Stratification. Teaching Resources Center, American Sociological Association, Washington, D.C.

#### Theology

LaCugna, Catherine M.

C.M. LaCugna and K. McDonnell. 1988. Returning from the Far Country: Theses for a Contemporary Trinitarian Theology. Scottish Journal of Theology 41:191-215.

O'Meara, OP, Thomas F.

T.F. O'Meara, OP. 1988. Revelation in Schelling's Lectures on Academic Studies. Pages 121-144 in, I. Falgueras, ed., Los Comenzos Filosóficos de Schelling. Universidad de Malaga. Malaga, Spain.

#### COLLEGE OF SCIENCE

#### Biological Science

Kulpa, Jr., Charles F.

See under CIVIL ENGINEERING; Irvine, Robert L. 1988. Pages 265-276 in, Proceedings: 2nd International Conference on New

Frontiers for Hazardous Waste Management. U.S. Environmental Protection Agency, Hazardous Waste Engineering Research Laboratory, Cincinnati, Ohio.

#### Chemistry

Creary, Xavier

X. Creary and T.E. Aldridge. 1988. Carbocation Stabilization by the Thioamide Group. Journal of Organic Chemistry 53: 3888-3890.

Patterson, Larry K.

M. Bazin, L.K. Patterson, J.C. Ronfard-Haret and R. Santus. 1988. Superoxide Dismutase as an Amplifier of the Chemical Reactivity of Porphyrin Radical-Cations. Photochemistry and Photobiology 48(2): 177-180.

Thomas, J. Kerry

K. Kikuchi and J.K. Thomas. 1988. Reactions of Exciplexes with Water Pools in Hydrophobic Media. Chemical Physics Letters 148(2,3):245-248.

#### Physics

Cushing, James T.

J.T. Cushing. 1988. Foundational Problems in and Methodological Lessons from Quantum Field Theory. Pages 25-39 in, H. Brown and R. Harre, eds., Philosophical Foundations of Quantum Field Theory. Oxford University Press, Oxford, England.

Dow, John D.

See under Ren, Shang-Yuan. 1988. Physical Review B 33(3):1999-2001.

See under Tsai, Min-Hsiung. 1988.

Physical Review B 38(3):2176-2178.

Ren, Shang-Yuan

S.-Y. Ren and J.D. Dow. 1988. Special Points for Superlattices and Strained Bulk Semiconductors. Physical Review B 33(3):1999-2001.

Tsai, Min-Hsiung

M.-H. Tsai, J.D. Dow and R.V. Kasowski. 1988. Local-Density-Pseudofunction Theory in Bulk Si. Physical Review B 38(3):2176-2178.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

- Batill, Stephen M.  
S.M. Batill, R.C. Nelson and P.F. Dunn. 1988. Unmanned Flight Vehicles - From Concept to Prototype: An Undergraduate Design Experience. Pages 1-11 in, AIAA/AHS/ASEE Aircraft Design, Systems and Operations Meeting. AIAA Paper No. 88-4414.
- Dunn, Patrick F.  
See under Batill, Stephen M. 1988. Pages 1-11 in, AIAA/AHS/ASEE Aircraft Design, Systems and Operations Meeting. AIAA Paper No. 88-4414.
- Nelson, Robert C.  
See under Batill, Stephen M. 1988. Pages 1-11 in, AIAA/AHS/ASEE Aircraft Design, Systems and Operations Meeting. AIAA Paper No. 88-4414.
- R.C. Nelson. 1988. Flight Stability and Automatic Control. McGraw-Hill, New York, New York. 279 pp.
- R.C. Nelson. 1988. Visualization Techniques for Studying High Angle of Attack Separated Vortical Flows. Pages 234-241 in, AIAA 15th Aerodynamic Testing Conference, Paper No. 88-2025. San Diego, California.

Civil Engineering

- Bierman, Jr., Victor J.  
J.F. Paul, V.J. Bierman, Jr., W.R. Davis, G.L. Hoffman, W.R. Munns, C.E. Pesch, P.F. Rogerson and S.C. Schimmel. 1988. The Application of a Hazard Assessment Research Strategy to the Ocean Disposal of Dredged Material: Exposure Assessment Component. Pages 123-135 in, D.A. Wolfe and T.P. O'Connor, eds., Oceanic Processes in Marine, Pollution, Volume 5, Urban Wastes in Coastal Marine Environments. Krieger, Malabar, Florida.
- Brenner, Ascher  
See under Irvine, Robert L. 1988. Pages 265-276 in, Proceedings: 2nd International Conference on New Frontiers for Hazardous Waste Management. U.S. Environmental Protection Agency, Hazardous Waste Engineering Research Laboratory, Cincinnati, Ohio.
- Irvine, Robert L.  
A. Brenner, R.L. Irvine, L.H. Ketchum, Jr., C.F. Kulpa, Jr., and J.P. Moreau. 1988. Screening Study for On-Site Biological Remediation of Soils Contaminated by Coal Conversion Residuals and By-products. Pages 265-276 in, Proceedings: 2nd International Conference on New Frontiers for Hazardous Waste Management. U.S. Environmental Agency, Hazardous Waste Engineering Research Laboratory, Cincinnati, Ohio.
- Ketchum, Jr., Lloyd H.  
See under Irvine, Robert L. 1988. Pages 265-276 in, Proceedings: 2nd International Conference on New Frontiers for

Hazardous Waste Management. U.S. Environmental Protection Agency, Hazardous Waste Engineering Research Laboratory, Cincinnati, Ohio.

Electrical and Computer Engineering

- Michel, Anthony N.  
D.L. Gray, A.N. Michel and W. Porod. 1988. Application of Neural Networks to Sorting Problems. Neural Network 1(1):441.
- Porod, Wolfgang  
See under Michel, Anthony N. 1988. Neural Networks 1(1):441.

Materials Science and Engineering

- Choudhary, Krishna M.  
K.M. Choudhary, P.S. Mangat, A.E. Miller, D. Kilday, A. Filipponi and G. Margaritondo. 1988. Photoemission Extended X-ray Absorption Fine-structure from Clean and Al-covered InP(110) Surfaces. Physical Review B 38(2):1566-1568.
- McGinn, Paul J.  
P.J. McGinn, A.E. Miller, P. Kumar and A.J. Hickl. 1988. Mechanisms of Liquid Phase Sintering in Stellite Alloy No. 6 PM. Pages 331-345 in, K. Kulkarni, ed., Powder Metallurgy for Full Density Products. Metal Powder Industry Federation, Princeton, New Jersey.
- P.J. McGinn, M.A. Black and A. Valenzuela. 1988. Texture Processing of YBa<sub>2</sub>CuO<sub>7-x</sub> by Joule Heat Zone Melting. Physica C 156:57-61.
- Miller, Albert E.  
See under McGinn, Paul J. 1988. Pages 331-345 in, K. Kulkarni, ed., Powder Metallurgy for Full Density Products. Metal Powder Industry Federation, Princeton, New Jersey.
- See under McGinn, Paul J. 1988. Physical Review B 38(2):1566-1568.
- Pelton, Alan R.  
A.R. Pelton. 1988. TEM Diffraction Investigations of Amorphous Materials. Pages 454-455 in, G.W. Bailey, ed., Proceedings of the 46th Annual Meeting of the Electron Microscopy Society of America. San Francisco Press, Inc., San Francisco, California.

COLLEGE OF BUSINESS ADMINISTRATION

Finance and Business Economics

- Bundt, Thomas P.  
T.P. Bundt and R. Schweitzer. 1988. Deposit Composition, Deregulation, and Bank Profitability: Evidence of a Changing Relationship. American Business Review 6(2):59-65.

UNIVERSITY LIBRARIES

- Huebner, Joseph H.  
J.H. Huebner. 1988. Ballet Core Books. Ballet Review 15(4):76-82.

---

## **notre dame report**

An official publication of the University of Notre Dame, Department of Public Relations and Information. Individual copies are available in the Notre Dame Hammes Bookstore at 50 cents each. Mail subscriptions are \$10 per year. Back copies are available through the mail at 70 cents each.

**Linda M. Diltz, Editor**

**Heather Ingraham, Layout**

Publications and Graphic Services

415 Main Building

Notre Dame, Ind. 46556

(219) 239-5337

---