

NOTRE DAME REPORT

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FEBRUARY 18, 1994 • NUMBER 11

Open Meeting for Faculty With North Central Accreditors

The 10-year accreditation visit by a team from the North Central Association will take place from Monday, February 21, 1994, to Wednesday, February 23, 1994. During the course of the visit, subgroups of the accreditation team will meet with various faculty, students and administrators of the University.

There will be an open meeting for any faculty who wish to attend on Tuesday, February 22, at 4:15 p.m. in room 210 of the Center for Continuing Education.

A meeting with students is scheduled for Monday, February 21, at 5:30 p.m. in the lecture room of the Center for Social Concerns.

The accreditation visit is being coordinated by Rev. Oliver F. Williams, C.S.C., associate provost (631-6858).

Contributions for 1993 Announced

The University raised a record \$60.9 million in cash contributions in fiscal year 1993, according to the annual report of the Department of Development.

The total, which does not take into account pledges of future gifts, exceeded by more than \$7 million the record established in 1990 and represented a \$13 million increase over 1992.

The receipt of several large gift payments from the "Strategic Moment" capital campaign (completed in 1990) played a significant role in Notre Dame's first year of more than \$60 million in cash gifts. Of this amount, cash raised through planned giving totaled \$2 million more than 1992, and record levels also were achieved in the Annual Fund and Sorin Society.

Planned gifts — including bequests, trusts, insurance and other estate gifts — amounted to almost \$8.2 million, and planned giving commitments totaled \$14.5 million. The Badin Guild, established for benefactors who include Notre Dame in their estates, now numbers 399 members whose anticipated gifts total more than \$110.7 million.

In its 50th year, the Annual Fund raised a record \$13 million, a 10 percent increase over 1992. The fund's matching gifts program also reached a new high of \$2.5 million. Among U.S. colleges and universities, Notre Dame is second only to Harvard University in both its number of matching gifts and total dollars raised through matching gifts.

The Sorin Society, the flagship of the Annual Fund, surpassed the \$6 million mark for the first time. The program includes contributors of a minimum of \$1,000 annually in unrestricted gifts, as well as Founders Circle members, who donate \$3,000 or more annually.

Foundation and corporate support to Notre Dame totaled \$18.7 million, the third highest total in the program's history.

FACULTY NOTES

Honors

Robert Amico, professor of architecture, has been appointed to the Bishop's Committee on Art and Environment for the Catholic Diocese of Fort Wayne/South Bend. The committee is responsible for the review of facilities design proposals. He has been appointed co-director of the community education project of the Task Force on Housing for Disabled and Disadvantaged Citizens in St. Joseph County to research and document existing housing programs.

J. Philip Gleason, professor of history, has received the University of Dayton's Marianist Award at a ceremony in Dayton, Ohio, Jan. 27. The Marianist Award annually honors distinguished contributions to American Catholic scholarship.

Jean Porter, associate professor of theology, was elected to the board of directors of the Society of Christian Ethics. She was appointed to the editorial board of the *Annual of the SCE*.

John J. Powers, adjunct associate professor of American studies, has been elected to the Indiana Journalism Hall of Fame. Powers, who teaches news writing and editing, served more than 30 years as managing editor, and then executive editor, of the *South Bend Tribune*. He was twice president of the Indiana Associate Press Editors and is a life regent of the Associated Press.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, has been appointed to the NASA/DOD/DOE Pyrotechnics Steering Committee.

Laura J. Pyrak-Nolte, assistant professor of civil engineering and geological sciences, received an award from the Notre Dame Chapter of Sigma Xi for Outstanding Research Paper by an Engineering Faculty.

Leah Rutchick, assistant professor of art, art history and design, received the summer research stipend for junior faculty, 1993, for "Memory-Work and Monumental Sculpture in the Moissac Cloister" from the Institute for Scholarship in the Liberal Arts in the College of Arts and Letters at the University of Notre Dame.

Todd Whitmore, assistant professor of theology, was named a fellow for the Center of Theological Inquiry in Princeton, N.J., for 1994-95. He was named to the Research and Publications Committee of the Catholic Theological Society of America and was named as a delegate for the president of the University of Chicago at the inauguration of the president of Wabash College. Whitmore

was appointed to the Ad Hoc Advisory Committee for the Board of Early Child Development Center at Notre Dame. He was named Henry Luce III Fellow in Theology for 1994-95 in the category "Church and Culture."

Activities

Sunny K. Boyd, assistant professor of biological sciences, presented a paper titled "Distribution of AVT mRNA in the Bullfrog Brain" co-authored with R.T. Zoeller at the Society for Neuroscience annual national meetings in Washington, D.C., Nov. 6-12.

George B. Craig Jr., Clark professor of biological sciences, presented the seminar "The Diaspora of *Aedes albopictus*" to staff of the Florida Medical Entomology Laboratory in Vero Beach, Fla., Jan. 4. He presented a seminar titled "Rapid Evolution in *Aedes albopictus*" at the University of Florida and USDA Medical Entomology Labs in Gainesville, Fla., Jan. 10.

Xavier Creary, professor of chemistry and biochemistry, presented a seminar titled "Aromaticity and Antiaromaticity in Reactive Intermediates Derived from Diazirines" to the Department of Chemistry at Rice University in Houston, Tex., Jan. 12, and to the Department of Chemistry at Trinity University in San Antonio, Tex., Jan. 13.

James T. Cushing, professor of physics, gave a Physics Department Colloquium titled "Why the 'Copenhagen' Hegemony?" at the University of Minnesota in Minneapolis, Minn., Jan. 27.

Sister Elaine DesRosiers, O.P., professional specialist and director of Educational Media, lectured on "A New Paradigm in College Teaching" for the American Association of University Women at the University of Notre Dame in Notre Dame, Ind., Jan. 12.

Michael Detlefsen, professor of philosophy, gave the paper "Hilbert's Formalism" to the philosophy department at Bowling Green State University in Bowling Green, Ohio, Oct. 15. He gave the invited paper "Two Conceptions of Constructivist Existence Claims" at the meeting of the Boston Colloquium for the Philosophy of Science in Boston, Mass., Nov. 8-9.

Alan Dowty, professor of government and international studies, presented a paper on "Return or Compensation: The Legal and Political Context of the Palestinian Refugee Issue" to the study group on the Shape of the Arab-Israeli Settlement for the Council on Foreign Relations in New York, N.Y., Jan. 10.

FACULTY NOTES

James A. Glazier, assistant professor of physics, presented the invited seminar "The Fractal Structure of DNA" at the Myriad Genetics Corp. in Salt Lake City, Utah, Nov. 12. He gave the invited seminar "The Energetics of Cell Sorting" at the Material Research Society fall meeting in Boston, Mass., Dec. 2, and at Ecole Normale Supérieure in Paris, France, Jan. 4.

Denis Goulet, O'Neill professor in education for justice, economics, presented a paper titled "Authentic Development: Is It Sustainable?" to Workshop 2 of the General Assembly of the International Union for the Conservation of Nature in Buenos Aires, Argentina, Jan. 20. He made a presentation on "Changing How Projects are Planned" at Workshop 3 of the assembly, Jan. 21.

Paul W. Huber, associate professor of chemistry and biochemistry, presented the seminar "Not Just Sequence: Protein Nucleic Acid Interactions Involving Transcription Factor IIIA" at the Department of Chemistry at Kenyon College in Gambier, Ohio, Jan. 25.

David J. Kirkner, associate professor of civil engineering and geological sciences, presented "Modeling of Permanent Deformations in Pavement Systems Subjected to Moving Loads" at the 73rd annual meeting of the Transportation Research Board in Washington, D.C., Jan. 9-13.

Janet A. Kourany, adjunct associate professor of philosophy, conducted a workshop on "Ethics Across the Curriculum" at Utah Valley College in Orem, Utah, Dec. 12-14.

Catherine Mowry LaCugna, professor of theology, gave the lecture "The Church, Icon of the Trinity" at the Newman Forum in the Newman Center at the University of Minnesota in Minneapolis, Minn., Feb. 21.

Scott P. Mainwaring, professor of government and international studies, gave a presentation on "Comparing Party Systems in Latin America" at the second international colloquium on Great Changes and Paradoxes at the University of Guadalajara, Mexico, Jan. 21.

Dian Murray, associate dean of arts and letters and associate professor of history, presented "Gender and Representation: Cheng I. Sao, The Dragon Lady of the Sea" at the Program of East Asian Languages and Cultures at Indiana University in Bloomington, Ind., Jan. 21.

Rev. Hugh R. Page Jr., assistant professor of theology, organized and gave opening remarks at the second annual colloquium of the Institute for Ancient Near Eastern and Afroasiatic Cultural Research held in Washington, D.C., Nov. 19. He presented the paper "Athtar as Construct in the Baal Myth: Toward an Understanding of Character-

ization and Divine Personality in Ugaritic Literature" at that same conference. He presented a paper titled "Studies in 18th Century Afrodiasporic Historiography and Biblical Hermeneutics: The Masonic Charges of Prince Hall" for the African American Theology and Biblical Hermeneutics Group at the AAR/SBL annual meeting in Washington, D.C., Nov. 21. He conducted a comprehensive pre-General Ordination Examination review session for members of the Organization of Black Episcopal Seminarymen held at the College of Preachers in Washington, D.C., Dec. 3-4.

Jean Porter, associate professor of theology, delivered the paper "Divine Ideals and Human Institutions: Towards the Vindication of the Natural Law as a Tradition" at the annual meeting of the Society of Christian Ethics in Chicago, Ill., Jan. 7-9.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, presented a paper titled "Calculations for Steady Propagation of a Generic Ram Accelerator Configuration Using the Roe Method" at the AIAA 32nd Aerospace Sciences Meeting in Reno, Nev., Jan. 10-13.

Leah Rutchick, assistant professor of art, art history and design, served as a session organizer and presider for "Paradigms, Processes and Medieval Studies" at the 1993 Midwest Medieval History Conference held at the University of Notre Dame, Notre Dame, Ind., Nov. 5-6. She spoke on "Devil Take the Hindmost: Two Romanesque Capitals in the Sniite Museum of Art at the University of Notre Dame" and was a program committee member at that conference.

Todd Whitmore, assistant professor of theology, gave the lecture "The Just War Tradition: The Cases of Bosnia and Somalia" to Navy and Marine ROTC at the University of Notre Dame, Notre Dame, Ind., Nov. 9. He chaired an interest group on Families and the Social Order at the annual meeting of the Society of Christian Ethics in Chicago, Ill., Jan. 8.

Martin H. Wolfson, assistant professor of economics, presented "Corporate Restructuring and the Budget Deficit Debate" at the Allied Social Sciences Associations annual meetings in Boston, Mass., Jan. 5.

Kwang-tzu Yang, Hank professor of aerospace and mechanical engineering, co-authored the paper "Pattern Selection for Rayleigh-Benard Convection in Intermediate Aspect Ratio Boxes" presented by Dr. Dave Mukutmoni at the First Indian Society of Heat and Mass Transfer American Society of Mechanical Engineers Heat and Mass Transfer Conference held in Bombay, India, Jan. 5-7.

Board of Trustees Executive Summary October 6, 1993

Three new trustees were introduced. Catherine A. David, a buyer with Target in Minneapolis, and Martin W. Rodgers, Washington, D.C., a legislative assistant to Sen. Harris Wofford of Pennsylvania, had been elected to the two positions reserved on the board for young graduates, and Paul J. Bonitabitbus, New Orleans, assumed an ex-officio position on the board as president-elect of the Notre Dame Alumni Association. Two persons put forward by the board's Nominating Committee for trusteeship were approved by the Fellows of the University and the Trustees. They were Raymond G. Chambers, chairman of the board of the Amelior Foundation, Morristown, N.J., and Dr. Antonia C. Novello, former surgeon general of the United States, both honorary degree recipients of the University. Archbishop Marcos McGrath of Panama and Philip Faccenda, vice president and general counsel of the University, were elected life trustees.

Father Malloy and the chair of theology, Prof. Larry Cunningham, led an extended discussion of the apostolic constitution, *Ex corde Ecclesiae*, on the relationship of Catholic colleges and universities to the institutional Church. The trustees authorized Father Malloy to formulate, on the basis of input from appropriate University and Holy Cross groups, a response to the proposed ordinances for implementing the papal document in the United States.

Father Beauchamp briefed the trustees on the University's response to the book, *Under the Tarnished Dome*, which criticized the Notre Dame football program.

Judge Ann Williams reported on the work of the Social Values and Responsibilities Committee, particularly its role in cultural diversity initiatives at the University. A resolution, recommended by the committee and rescinding the board's policy of selective divestment in South Africa in the wake of the request of black leader Nelson Mandela for renewed investment in his country, was passed.

The board heard a report on the investment of Notre Dame's endowment from its committee in that area, and Father Beauchamp reviewed the 1992-93 operations budget.

Father Malloy and Provost O'Meara led a discussion of academic matters at the University in light of Colloquy recommendations.

University Libraries' Hours During Spring Break March 4-13, 1994

Hesburgh Library

	Building	Public Services
Friday, March 4	7:30 a.m.-2 a.m.	8 a.m.-5 p.m.
Saturday, March 5	9 a.m.-2 a.m.	9 a.m.-5 p.m.*
Sunday, March 6	1 p.m.-2 a.m.	1 p.m.-5 p.m.**
Monday, March 7 through Friday, March 11	7:30 a.m.-2 a.m.	8 a.m.-5 p.m.***
Saturday, March 12	9 a.m.-2 a.m.	9 a.m.-5 p.m.*
Sunday, March 13	all libraries return to regular hours	

* The following public services will be open:
Circulation
Current Periodicals/Microtext
Reference

** The following public services will be open:
Circulation
Current Periodicals/Microtext

*** Circulation and Current Periodicals/Microtext will be open until 10 p.m., Monday through Thursday.

Hours above are subject to change, check UNLOC (especially hours) for updated hours.

Branch libraries' hours vary, please call for specific hours:

Architecture	631-6654
Chemistry/Physics	631-7203
Engineering	631-6665
Life Science	631-7209
Mathematics	631-7278

DOCUMENTATION

Graduate School Award

Nominations are requested for the Graduate School Award, given annually to a faculty member for distinction in graduate teaching or other exemplary contributions to graduate education. This honor will be presented at the President's Dinner for the faculty in May, and the recipient will receive a citation and cash prize.

Questions and letters of nomination should be addressed to Dr. Nathan O. Hatch, Vice President, Graduate School, 312 Main Building, Notre Dame, Indiana 46556, and must be received by March 11. Letters of nomination must be accompanied by a copy of the nominee's curriculum vitae.

Graduate School Award Winners Since 1990

1989-90	Rev. Ernan McMullin
1990-91	Lawrence Marsh
1991-92	Wilhelm Stoll
1992-93	Scott Maxwell

Special University Awards

Nominations are requested for the three special awards as well as sufficient background material and/or documentation to support the candidate's nomination. Selection is based on the letter and materials submitted by the nominator. Nominations should be sent to Isabel Charles, Associate Provost, 207 Main Building, by Friday, March 11, to be forwarded to the selection committees. Award winners will be honored at the President's Dinner in May.

Faculty Award

Established in the 1927-28 academic year by the Alumni Association, the Faculty Award singles out that faculty member who, in the opinion of his or her colleagues, has contributed outstanding service to the University of Notre Dame. Each year a selection committee, composed of prior winners and representing the colleges and the Law School, studies the recommendations submitted by former recipients of this award, by the deans, and by individual faculty members, and selects a winner.

Faculty Award Winners Since 1960

1959-60	Otto Bird
1960-61	John Frederick
1961-62	Milton Burton
1962-63	Stephen Kertesz
1963-64	Raymond Gutschick
1964-65	Matthew Fitzsimons
1965-66	Bernard D. Cullity
1966-67	John Magee
1967-68	Rev. Charles E. Sheedy, C.S.C.
1968-69	Bernard Waldman
1969-70	James Massey
1970-71	Thomas Stritch
1971-72	Ernest Sandeen
1972-73	Rev. Ernan McMullin
1973-74	Robert E. Rodes Jr.
1974-75	Herbert E. Sim
1975-76	Ronald Weber
1976-77	Walter Miller
1977-78	J. Philip Gleason
1978-79	K.T. Yang
1979-80	Frederick J. Crosson
1980-81	Jeremiah P. Freeman
1981-82	Morris Pollard
1982-83	James Kohn
1983-84	John Malone
1984-85	Rudy Bottei
1985-86	Rev. David Burrell, C.S.C.
1986-87	Paul Weinstein
1987-88	Ray Powell
1988-89	Robert A. Leader
1989-90	Edward J. Murphy
1990-91	Eugene Henry
1991-92	George B. Craig Jr.
1992-93	Lee Tavis

Reinhold Niebuhr Award

Rev. Theodore M. Hesburgh, C.S.C., and Chancellor Willy Brandt of West Germany were the first recipients of Reinhold Niebuhr awards sponsored by friends of the Protestant theologian and author. Receiving this award in September 1972, at ceremonies at Union Theological Seminary in New York City, Father Hesburgh announced the establishment of a Reinhold Niebuhr award at the University of Notre Dame. This award is made annually to a student, faculty member or administrator whose *life and writings* promote or exemplify the area of *social justice* in modern life. The initial award to Father Hesburgh was \$5,000. This he turned over to the Notre Dame endowment to underwrite an annual cash award of \$250 for the winner of this campus honor. The selection committee includes representatives from the colleges and Law School, Campus Ministry, Center for Social Concerns, rectors, Ladies of Notre Dame and the student body. All members of the Notre Dame community are invited to submit recommendations for this award.

Reinhold Niebuhr Award Winners Since 1973

1973	Msgr. John J. Egan
1974	CILA (Community for the International Lay Apostolate)
1975	George N. Shuster
1976	Rev. Louis Putz, C.S.C.
1977	Mr. and Mrs. Arthur Quigley
1978	Thomas P. Broden
1979	Rev. William Toohey, C.S.C.
1980	Rev. Don McNeill, C.S.C.
1981	Charles K. Wilber
1982	Kenneth and Penny Jameson
1983	Julian Pleasants
1984	John W. Houck and Oliver F. Williams, C.S.C.
1985	James Sterba
1986	John H. Yoder
1987	Stephen Worland
1988	Denis Goulet
1989	Sharon Lynn O'Brien
1990	John J. Gilligan
1991	Thomas and Nancy Shaffer
1992	Patrick E. Murphy
1993	John Borkowski

Grenville Clark Award

On October 20, 1978, Father Hesburgh was one of three recipients of the Grenville Clark Prize, an award given every three years by the Grenville Clark Fund at Dartmouth College. Following the procedure established when he won the Reinhold Niebuhr award in 1972, Father Hesburgh donated the \$5,000 Clark stipend to the Notre Dame endowment to underwrite a cash prize of \$250 to be awarded each year. This award is made to a faculty member, administrator or student whose *voluntary activities* serve to advance the cause of peace and human rights to which Grenville Clark devoted his extraordinary life of *public service*. The selection committee includes representatives from the colleges and Law School, Campus Ministry, Center for Social Concerns, rectors, Ladies of Notre Dame and the student body. All members of the Notre Dame community are invited to submit recommendations for this award.

Grenville Clark Award Winners Since 1979

1979	Peter Walshe
1980	James and Mary Ann Roemer
1981	Sr. Judith Ann Beattie, C.S.C.
1982	Kenneth W. Milani
1983	Peggy Roach
1984	The Notre Dame Legal Aid and Defender Association
1985	Cecil and Mary Mast
1986	Rev. Robert F. Griffin, C.S.C.
1987	Conrad Kellenberg
1988	D'Arcy Chisholm and David Link
1989	Lloyd and Shelley Ketchum Kevin and Kathy Misiewicz
1990	Peter Morgan and Sr. Annette Giarrante, O.S.F.
1991	Kathleen Maas Weigert and Dolores Tantoco-Stauder
1992	Rev. H. Thomas McDermott, C.S.C.
1993	Michael and Christine Etzel

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Current Publications and Other Scholarly Works

Current publications should be mailed to the Office of Research of the Graduate School, Room 312, Main Building.

COLLEGE OF ARTS AND LETTERS

Classical and Oriental Languages and Literatures

Forbis, Elizabeth P.

E.P. Forbis. 1993. *Liberalitas and Largitio: Terms for Private Munificence in Italian Honorary Inscriptions. Athenaeum* 81.2:483-498.

Economics

Kim, Kwan S.

R. Minami, K.S. Kim and H. Yazawa. 1993. Long-Term Changes in Income Distribution: Comparison of Prewar and Postwar Japan. *Keizai Kenkyu (Economic Research)* 44(4):351-364.

English

Jemielity, Thomas J.

T.J. Jemielity. 1993. Teaching A Journey to the Western Islands of Scotland. Pages 99-106 in, D.R. Anderson and G.J. Kolb, eds., *Approaches to Teaching the Works of Samuel Johnson*. The Modern Language Association of America, New York, New York.

Government and International Studies

Walshe, A. Peter

A.P. Walshe. 1993. Between the Two Fires: the Anglican Church and Apartheid. *Journal of Religion in Africa* (September):158-160.

A.P. Walshe. 1993. Capitalism and Political Transition in South Africa. *The Review of Politics* 55(1):189-192.

Philosophy

McInerny, Ralph M.

R.M. McInerny. 1994. Review of Priority of Prudence, by D.M. Nelson. *Ethics* 104(2):401-412.

Theology

VanderKam, James C.

J.C. VanderKam. 1993. The Scrolls, the Apocrypha and the Pseudepigrapha. *Hebrew Studies* 34:35-47.

Yoder, John H.

J.H. Yoder. 1994. Review of Niebuhr and His Age: Reinhold Niebuhr's Prophetic Role in the Twentieth Century, by C.C. Brown. *Modern Theology* 10(1):114-116.

Zachman, Randall C.

R.C. Zachman. 1993. Review of Martin Luther: The Preservation of the Church 1532-1546, by M. Brecht. *Anglican Theological Review* 75(4):572-574.

COLLEGE OF SCIENCE

Chemistry and Biochemistry

Smith, Bradley D.

M.-F. Paugam, G.T. Morin and B.D. Smith. 1993. Metal Cation: Glucopyranoside Co-Transport Through a Liquid Organic Membrane. *Tetrahedron Letters* 34(49):7841-7844.

Mathematics

Migliore, Juan C.

J.C. Migliore. 1993. Submodules of the Deficiency Module. *Journal of the London Mathematical Society* 48(3):396-414.

Snow, Dennis M.

D.M. Snow. 1993. The Nef Value and Defect of Homogeneous Line Bundles. *Transactions of the American Mathematical Society* 340:227-241.

Wilczynski, Dariusz M.

R. Lee and D.M. Wilczynski. 1993. Representing Homology Classes by Locally Flat 2-Spheres. *K-Theory* 7:333-367.

Physics

Bunker, Bruce A.

K.M. Kemner, B.A. Bunker, H. Luo, N. Samarth, J.K. Furdyna, M.R. Weidmann and K.E. Newman. 1993. X-Ray Absorption Spectroscopy Investigations of Atomic Reordering at ZnTe/CdSe Interfaces. Pages 203-206 in, P.E.A. Turchi and A. Gonis, eds., *Statics and Dynamics of Alloy Phase Transitions*. Plenum, New York, New York.

Furdyna, Jacek K.

See under Bunker, Bruce A. 1993. Pages 203-206 in, *Statics and Dynamics of Alloy Phase Transitions*.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Kolata, James J.

J.J. Kolata. 1993. Elastic Scattering and Fragmentation of Halo Nuclei. Pages 174-182 in, M. Ishihara, N. Takigawa and S. Yamaji, eds., Proceedings RIKEN International Workshop on Heavy-Ion Reactions with Neutron-Rich Beams. World Scientific, Singapore.

M.J. Balbes, M.M. Farrell, R.N. Boyd, X. Gu, M. Hencheck, J.D. Kalen, C.A. Mitchell, J.J. Kolata, K. Lamkin, R. Smith, R.J. Tighe, K. Ashktorab, F.D. Becchetti, J. Brown, D. Roberts, T.F. Wang, D. Humphrey, G. Vourvopoulos and M.S. Islam. 1993. ^2H -induced Reactions on ^8Li and Primordial Nucleosynthesis. *Physical Review Letters* 71:3931-3934.

Luo, Hong

See under Bunker, Bruce A. 1993. Pages 203-206 in, Statics and Dynamics of Alloy Phase Transitions.

Newman, Kathie E.

K.E. Newman, T. Kim and X. Xiang. 1993. Ground States and Ordering in Semiconducting (Chalcopyrite)-(Zinc-Blende) Alloys. Pages 553-556 in, P.E.A. Turchi and A. Gonis, eds., Statics and Dynamics of Alloy Phase Transitions. Plenum, New York, New York.

See under Bunker, Bruce A. 1993. Pages 203-206 in, Statics and Dynamics of Alloy Phase Transitions.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Renaud, John E.

J.E. Renaud and G.A. Gabriele. 1994. Approximation in Nonhierarchical System Optimization. *AIAA Journal* 32(1):198-205.

J.E. Renaud and G.A. Gabriele. 1993. Improved Coordination in Nonhierarchical System Optimization. *AIAA Journal* 31(12):2367-2373.

Sen, Mihir

N. Acharay, M. Sen and H.-C. Chang. 1994. Thermal Entrance Length and Nusselt Numbers in Coiled Tubes. *International Journal of Heat and Mass Transfer* 37:336-340.

Chemical Engineering

Chang, Hsueh-Chia

H.-C. Chang and S. Kalliadasis. 1994. Apparent Dynamic Contact Angle of an Advancing Gas-Liquid Meniscus. *The Physics of Fluids* 6(1):12-23.

See under Aerospace and Mechanical Engineering; Sen, Mihir. 1994. *International Journal of Heat and Mass Transfer* 37:336-340.

Civil Engineering and Geological Sciences

Spencer, Billie F., Jr.

B.F. Spencer, Jr., J. Suhardjo and M.K. Sain. 1994. Frequency Domain Optimal Control Strategies for Aseismic Protection. *Journal of Engineering Mechanics* 120(1):135-158.

Computer Science and Engineering

Chen, Ziyi Danny

D.Z. Chen and S. Guha. 1993. Testing a Simple Polygon for Monotonicity Optimally in Parallel. *Information Processing Letters* 47(6):325-331.

Electrical Engineering

Michel, Anthony N.

D. Liu and A.N. Michel. 1993. Analysis and Synthesis of Sparsely Connected Feedback Neural Networks. Pages 3251-3252 in, Proceedings of the 32nd IEEE Conference on Decision and Control, San Antonio, Texas.

D. Liu and A.N. Michel. 1993. Robustness Analysis and Design of Sparsely Interconnected Neural Networks. Pages 3676-3681 in, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 4 of 4, San Antonio, Texas.

A.N. Michel and K. Wang. 1993. Robust Stability: Perturbed Systems with Perturbed Equilibria. Pages 1996-2001 in, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 3 of 4, San Antonio, Texas.

D. Liu and A.N. Michel. 1993. Sparsely Interconnected Artificial Neural Networks for Associative Memories. Pages 155-160 in, J. Mira, J. Cabestany and A. Prieto, eds., New Trends in Neural Computation (Lecture Notes in Computer Science). Springer-Verlag, Berlin, Germany.

See under Wang, Kaining. 1993. Pages 2014-2019 in, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 3 of 4, San Antonio, Texas.

See under Wang, Kaining. 1993. Pages 2856-2861 in, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 3 of 4, San Antonio, Texas.

Sain, Michael K.

See under Civil Engineering and Geological Sciences; Spencer, Billie F., Jr. 1994. *Journal of Engineering Mechanics* 120(1):135-158.

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Wang, Kaining

K. Wang and A.N. Michel. 1993. Controllability and Observability of a Class of Linear, Time-Invariant Systems with Interval Plants. Pages 2856-2861 *in*, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 3 of 4, San Antonio, Texas.

K. Wang and A.N. Michel. 1993. Necessary and Sufficient Conditions for the Stability of Interval Matrices. Pages 2014-2019 *in*, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 3 of 4, San Antonio, Texas.

See under Michel, Anthony N. 1993. Pages 1996-2001 *in*, Proceedings of the 32nd IEEE Conference on Decision and Control, Vol. 3 of 4, San Antonio, Texas.

COLLEGE OF BUSINESS ADMINISTRATION

Management

O'Rourke, James S., IV

J.S. O'Rourke, IV. 1993. Ethical Issues in Business Communication: Grading the Work of Non-Native Speakers of English. *The Bulletin of the Association for Business Communication* 56(December):56-57.

J.S. O'Rourke, IV. 1993. Intercultural Business Communication: Building a Course from the Ground Up. *The Bulletin of the Association for Business Communication* 56(December):22-27.

Williams, Oliver F., CSC

O.F. Williams, CSC. 1993. Catholic Social Teaching: A Communitarian Democratic Capitalism for the New World Order. *Journal of Business Ethics* 12:919-932.

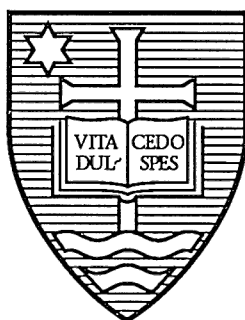
UNIVERSITY LIBRARIES

Porter, G. Margaret

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