



THE UNIVERSITY

- 467 *Notre Dame Receives Seven CASE Awards*
- 467 *CTNA To Broadcast Alumni Interactive Telecasts*

FACULTY NOTES

- 468 *Faculty Honors*
- 468 *Faculty Activities*

ADMINISTRATORS' NOTES

- 472 *Administrators' Appointments*
- 472 *Administrators' Honors*

DOCUMENTATION

- 473 *Addendum to the Faculty Roster*
- 474 *257th Graduate Council Minutes
April 13, 1994*
- 477 *Faculty Senate Journal*

THE GRADUATE SCHOOL

- 486 *Current Publications and Other Scholarly Works*
- 489 *Awards Received and Proposals Submitted*
- 490 *Awards Received*
- 492 *Proposals Submitted*

JULY 29, 1994 • NUMBER 20

Notre Dame Receives Seven CASE Awards

Notre Dame was recognized for its receipt of seven awards from the Council for Advancement and Support of Education (CASE) at the 1994 annual convention in Chicago, Ill., July 9-13.

The Department of Development was selected to the CASE Circle of Excellence in Educational Fund Raising for outstanding overall performance. Other winners in the top category were Harvard and Duke Universities, the Universities of Pennsylvania and Denver, and Stevens Institute of Technology in New Jersey.

Notre Dame Magazine earned two awards in the alumni publications competition: a gold medal for writer Scott Russell Sanders' essay "Rediscovering Our Sense of Place" in the winter-spring issue, and a silver medal for writer Eric Zorn's story "Getting Your Act Together" in last fall's issue.

Publications and Graphic Services garnered two silver medals and one bronze for a brochure produced for the University Libraries describing the Rev. Edmund P. Joyce, C.S.C., Sports Research Collection. The publication was designed by E. Marten Schalm Jr. and edited by Linda M. Diltz.

The Department of Public Relations and Information earned a gold medal in the video news releases, PSAs and commercial spots category for a series of University news and feature reports broadcast during halftimes of televised Notre Dame basketball games.

CTNA To Broadcast Alumni Interactive Telecasts

The Alumni Association and the Catholic Telecommunications Network of America (CTNA) have agreed on a three-year contract to broadcast the association's interactive telecasts on family life. The agreement also grants CTNA the right to rebroadcast previous telecasts in the award-winning series concerning such topics as marriage, parenting and family communications.

The Alumni Association has produced eight telecasts on the family since 1988. These telecasts make use of satellite telecommunications and cable systems to enable the participation of viewers in some 200 alumni clubs and in schools, churches and social agencies.

Kathleen Sullivan, director of alumni continuing education, announced that "Violence and the Media: Finding Solutions" will be aired November 5. A program on conflict resolution is planned for March, and a program in which children discuss violence is planned for November 1995.

Located in Washington, D.C., CTNA is a private satellite network founded by the U.S. Catholic bishops in 1981. Since January 1994, CTNA has been delivering a program service of almost 500 hours annually to Catholic parishes, dioceses and other institutions.

FACULTY NOTES

Honors

Matthew J. Barrett, associate professor of law, was named to the founding board of advisors of *The Journal of Limited Liability Companies*, a quarterly publication of Warren, Gorham & Lamont which discusses issues regarding the formation and operation of a new form of business organization currently recognized in 42 states. The journal published its first issue in June.

George A. Lopez, professor of government and international studies and faculty fellow in the Kroc Institute, has been named to the editorial board of *Human Rights Quarterly* for 1994-97.

Anthony N. Michel, McCloskey dean and Freimann professor of electrical engineering, was reappointed vice president, technical affairs, of the IEEE Control Systems Society for 1995. He is an elected member of the board of governors of the IEEE Control Systems Society and has been appointed an associate editor at large for the *IEEE Transactions on Automatic Control*.

Walter J. Nicgorski, professor in the Program of Liberal Studies, has been appointed editor of the *Review of Politics*. The quarterly review was founded at Notre Dame in 1939 by the political philosopher Waldemar Gurian, a Russian-born Jew and convert to Catholicism.

Kenneth R. Olson, adjunct professor of biology, South Bend Center for Medical Education, received the University of Wisconsin-LaCrosse Maurice O. Graff Distinguished Alumni Award at the UW-L Graff Award Banquet in LaCrosse, Wis., May 13. This is the highest award presented by the university.

Donald E. Sporleder, professor of architecture, was appointed to the Indiana Department of Natural Resources Trails Advisory Board, June 1. He was selected to represent pedestrians on the Indiana Trails Advisory Board in the development of the Indiana Trails 2000 plan. He was appointed to the National Council of Architectural Registration Boards, Architects Registration Examination Building Design Grading Coordinators Committee.

Raimo Väyrynen, professor of government and international studies and Regan director of the Kroc Institute, has been appointed by the rector of the United Nations University as a member of its Advisory Team on Peace, Security and Global Governance.

Activities

Panos Antsaklis, professor of electrical engineering, gave an invited talk titled "Intelligent Control and Hybrid Systems" at the University of Patras, Greece, June 15. He presented three papers "Modeling and Design of Hybrid Control Systems," "Robust Stabilization of Linear Continuous Systems under Parameter Uncertainty in all State-Space Matrices" and "An Introduction to Control, FDI and Reconfiguration using Neural Networks" and chaired one session at the second IEEE Mediterranean symposium on New Directions in Control and Automation in Crete, Greece, June 19-22. He presented the paper "Integration of Controls and Diagnostics using Neural Networks" and chaired two sessions at the 1994 American Control Conference in Baltimore, Md., June 29-July 1.

Scott Appleby, associate professor of history, presented the paper "Public Catholicism Reconsidered" at the conference "Anamnesis: Re-Presenting the History of American Catholics" at Princeton University in Princeton, N.J., June 18.

Marijan Babic, assistant professor of civil engineering and geological sciences, presented a paper titled "Evolution of Microstructure in Wall-Bounded Granular Flows" and chaired a session titled "Mechanics of Granular Materials" at the 12th U.S. National Congress of Applied Mechanics at the University of Washington in Seattle, Wash., June 27-July 1. He presented a paper titled "Microscopic Simulations of Subsurface Processes" at the 10th international conference on Computational Methods in Water Resources in Heidelberg, Germany, July 19-22.

Supriyo Bandyopadhyay, associate professor of electrical engineering, served as the co-chair of the program committee and the organizing committee of the 185th meeting of the Electrochemical Society (Special Symposium on Quantum Confinement) held in San Francisco, Calif., May 21-28. He chaired six sessions in this conference and presented three papers titled "Negative Transport Lifetimes in Quantum Wires" co-authored with Nina Telang, "Spontaneous Spin Polarization in Arrays of Quantum Dots" co-authored with Albert E. Miller, professor of electrical engineering, and Biswajit Das, assistant professor of electrical engineering, and "Electrochemical Synthesis of Quasi Periodic Quantum Dot Arrays" co-authored with A.E. Miller, G. Banerjee, D-F. Yue, R.E. Ricker, S. Jones and J.A. Eastman. Bandyopadhyay presented the paper titled "Electrochemical Fabrication of Metallic and Semiconductor Lateral Surface Superlattices" at the Engineering Foundation Workshop on Ordered Molecular and Nanoscale Electronics held in Kona, Hawaii, June 5-10.

FACULTY NOTES

Jay B. Brockman, assistant professor of computer science and engineering, and **John E. Renaud**, assistant professor of aerospace and mechanical engineering, delivered a presentation titled "Concurrent Optimization of Integrated Circuits and Packaging" to the Integrated Circuit Research and Design Organization at Delco Electronics in Kokomo, Ind., June 20.

Leonard F. Chrobot, adjunct professor of sociology, delivered the keynote address "Polish Americans: An Attempt at Typologies" to the Youth Leadership Conference of the American Council of Polish Culture at George Washington University in Washington, D.C., June 13.

Robert R. Coleman, assistant professor of art, art history and design, gave the lecture "Michelangelo's Vatican Pieta and the Marble David: Renaissance Sculpture in Time and Place" as part of a Sculpture Lecture Series sponsored by the Northern Indiana Arts Association at the William J. Bachman Gallery, Munster, Ind., June 21.

Rev. Austin I. Collins, C.S.C., associate professor of art, art history and design, presented a one-person sculpture exhibition at the Art Center Gallery at Andrews University in Berrien Springs, Mich., April 5-29. He gave a one-person sculpture exhibition at the Krasl Art Center in St. Joseph, Mich., June 16-July 30.

Lawrence S. Cunningham, chairperson and professor of theology, organized and chaired five sessions at the conference titled "Fundamentalisms: Jewish, Christian, and Islamic" at the Tantur Ecumenical Center at Jerusalem, Israel, May 29-June 1.

Rev. William J. Dohar, C.S.C., associate professor of history, gave a paper titled "The Plague and the Courts: Hereford Cathedral vs. the Vicar of St. Peter's" at the 29th international congress on Medieval Studies at Western Michigan University in Kalamazoo, Mich., May 5.

Elizabeth D. Eldon, assistant professor of biological sciences, presented a poster regarding her lab's work titled "The *Drosophila melanogaster* 18 Wheeler gene encodes a receptor-like molecule, is expressed during embryonic and larval development and is required for morphogenesis" co-authored with M. Williams, M. Duman and H. Bellen at the annual society for Developmental Biology meeting in Madison, Wis., June 15-19.

Richard W. Fessenden, professor of chemistry and associate director of the Radiation Laboratory, presented the invited paper "Direct EPR Studies of the Photochemistry of Aromatic Compounds" at the 22nd annual meeting of the American Society for Photobiology in Scottsdale, Ariz., June 26-29.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, presented an invited lecture titled "Does a Turbulent Boundary Layer Ever Achieve Self-Preservation?" at Université de Poitiers, France, June 2, at Ecole Polytechnique, Paris, France, June 10, at Delft University of Technology, The Netherlands, June 14, at Ecole Polytechnique Fédérale de Lausanne, Switzerland, June 27, at Université d'Aix-Marseille II, France, June 29, and at Ecole Centrale de Lyon, France, July 4. He presented an invited lecture titled "Innovative Control of Turbulent Flows: A Futuristic View" at Delft University of Technology, The Netherlands, June 13, and at Université de Poitiers, France, June 23. He served on a jury for the second doctoral degree (Habilitation a Diriger des Recherches) of Dr. Alain Textier, Laboratoire de Mécanique des Fluides, Université de Poitiers, France, June 16. He presented an invited lecture titled "Système d'enseignement supérieur aux U.S.A. — Structure et financement de la recherche" at Université de Poitiers, France, June 20.

J. Philip Gleason, professor of history, delivered the address at the initiation of new members of the Notre Dame chapter of Phi Beta Kappa, Notre Dame, Ind., May 14. He responded to three panelists who discussed his book, *Speaking of Diversity*, at the 1994 meeting of the College Theology Society held at Saint Mary's College, Notre Dame, Ind., May 29. Gleason delivered the keynote address titled "A Look Back at the Catholic Intellectualism Issue" at a conference on the history of American Catholicism sponsored by Princeton University's Center for the Study of American Religion held at Princeton University in Princeton, N.J., June 17.

Ronald A. Hellenthal, professor of biological sciences, gave the invited talk "A Benthologist's Guide to the Internet" at the annual meeting of the North American Benthological Society in Orlando, Fla., May 20-31.

Ruthann K. Johansen, assistant director in the arts and letters core course and faculty fellow in the Kroc Institute, was selected as one of 25 participants in the National Endowment for the Humanities Summer Institute sponsored by the Folklore Program and the Department of Anthropology on "Telling Tales: Humanities Approaches to the Study of Folk Narrative" at the University of Wisconsin in Madison, Wis., June 26-July 29.

Prashant V. Kamat, professional specialist in the Radiation Laboratory, gave the invited paper "Mechanistic Aspects of Semiconductor Mediated Decoloration of Textile Dyes. Oxidation and Reductive Pathways" at the first international conference on Advanced Oxidation Technologies for Water and Air Remediation in London, Ontario, Canada, June 25-30.

FACULTY NOTES

Charles F. Kulpa, professor of biological sciences, gave the invited talk titled "Anaerobic Metabolism of Nitroaromatic Compounds by Sulfate Reducing and Methanogenic Bacteria" at a symposium on Biodegradation of Nitroaromatic Compounds in Las Vegas, Nev., May 22-23. He presented two posters with Dr. S. Selvaratnam titled "Detection of an Introduced Catabolic Gene in Activated Sludge Biomass by Polymerase Chain Reaction" and "Application of Reverse Transcription and Polymerase Chain Reaction (RT-PCR) for Analysis of Specific Gene Expression in Activated Sludge and Effluent" at the American Society for Microbiology meeting in Las Vegas, Nev., May 24-27.

Gary Lamberti, assistant professor of biological sciences, presented a paper titled "Influence of Exotic Invertebrates in Stream Ecosystems" at the annual meeting of the North American Benthological Society in Orlando, Fla., May 21-28.

George A. Lopez, professor of government and international studies and faculty fellow in the Kroc Institute, delivered the Sullivan Memorial Lecture "Wicked Problems and the Future of the Study of Violence and Peace" at the Center for Peace and Global Change at Indiana University in Bloomington, Ind., May 13.

Nicos Makris, assistant professor of civil engineering and geological sciences, presented "Generalized Differentiation and the Complex Memory of Structures" at the FRACTALS in Engineering symposium in Montreal, Canada, June 1-5. He presented the paper titled "Nonlinear Analysis of Single Piles Under Dynamic Loading" at the second international conference on Computational and Stochastic Mechanics in Athens, Greece, June 13-15.

Anthony N. Michel, McCloskey dean and Freimann professor of electrical engineering, presented a paper titled "Qualitative Limitations Encountered in the Implementation Process of Feedback Neural Networks: Delays, Parameter Perturbations, and Interconnection Constraints" at the eighth Yale workshop on Adaptive and Learning Systems held at Yale University in New Haven, Conn., June 12-16. He presented a paper titled "Sparsely Interconnected Neural Networks — Theory and Applications" at the second IEEE Mediterranean symposium on New Directions in Control and Automation in Chania, Crete, Greece, June 19-23. Michel presented the papers "Stability and Stabilizability of a Class of Systems with State Saturation and Parameter Uncertainties" and "Stability of Interconnected Systems: Results without Quasimonotonicity Conditions" at the 1994 American Control Conference held in Baltimore, Md., June 28-July 1. He chaired a session titled "Stability of Nonlinear Systems" at that conference.

Philip Mirowski, Koch professor of economics and history of science, gave a series of lectures on "Scissors, Lies and Scotchtape: The Repressed History of Demand and Supply" to the Duke University Economics Department in Durham, N.C., March 15-21. He gave an invited presentation titled "Passing Around the Gift: From Mauss to Sahlins to Derrida" to the Duke Center for Interdisciplinary Studies in Science and Cultural Theory, March 17. He addressed the Research Triangle Seminar in the History of Science on "Civilization and its Discounts" in Durham, N.C. He gave the paper "A Visible Hand in the Marketplace of Ideas" to the seminar on Economic Thought at Michigan State University in East Lansing, Mich., April 5. He presented the paper "Precision Measurement as Arbitrage" to the Stanford University Program in the History and Philosophy of Science in Stanford, Calif., May 19. He delivered the paper "The Attribution of Quantitative Error and the Erasure of Plural Interpretations in Various Sciences" to the conference on Pluralism in Economics in Bergamo, Italy, May 27.

Michael C. Mossing, assistant professor of biological sciences, presented a talk titled "Structure and Stability of a Family of Engineered DNA Binding Proteins" at the Great Lakes-Central Joint Regional American Chemical Society meeting in Ann Arbor, Mich., June 1-2. He presented a poster with Shopon Mollah titled "Structure and Stability of a Family of Engineered Binding Proteins" at the Protein Engineering Design Symposium at the Beckman Institute in Urbana, Ill., June 2-5. He presented a poster titled "Structure and Stability of Monomeric Variants of lambda Cro" at the Biopolymers Gordon Conference in Newport, R.I., June 26-July 1.

Ingrid Müller, assistant professor of biological sciences, presented the poster "Gamma Interferon (INF- γ) Response by and Expansion of CD8⁺ T Cells in Secondary *Leishmania Major* Infections" co-authored with P. Kropf, G. Milon and J. Louis at the symposium on Interferons and Interacting Cytokines: Cellular and Clinical Response and Resistance in Litchfield Park, Ariz., June 23-26.

Walter Nugent, Tackes professor of history, spoke on "Continuing Perspectives on Regionalism: An American Perspective" at Utah State University in Logan, Utah, May 21.

Kenneth R. Olson, adjunct professor of biology, South Bend Center for Medical Education, presented the commencement address at the 85th annual commencement ceremony at the University of Wisconsin in LaCrosse, Wis., May 14. He presented an invited tutorial titled "Vascular Corrosion Casting: Methods and Physiological Considerations" at the sixth international Scientific Meeting sponsored by the Foundation for Advances in Medicine and Science in Charleston, S.C., May 19. He pre-

FACULTY NOTES

sented a seminar titled "Anatomy and Physiological Function of the Fish Gill" at the National Fisheries Contaminant Research Center in Columbia, Mo., June 2.

Samuel Paolucci, associate professor of aerospace and mechanical engineering, presented a paper titled "Stability of Mixed Convection Flow in a Differentially Heated Vertical Channel with Large Temperature Differences" at the sixth AIAA/ASME Thermophysics and Heat Transfer Conference held in Colorado Springs, Colo., June 20-23.

Wolfgang Porod, professor of electrical engineering, co-authored the presentations "Local Fields in Open Two-Dimensional Electronic Scattering Systems" with Henry K. Harbury, "Resonance-Antiresonance Features for Transmission in Quantum Waveguide Systems" with Zhi-an Shao and **Craig S. Lent**, associate professor of electrical engineering, "Numerical Simulation of Electron Confinement in Quantum Dot Structures" with Minhan Chen, and "Quantum Cellular Automata" with Craig S. Lent and Douglas Tougaw at the March meeting of the American Physical Society held in Pittsburgh, Pa., March 21-25. Porod presented a paper titled "Numerical Simulation of Electron Confinement in Quantum Dot Structures" at the Engineering Foundation Conference on Surfaces and Interfaces in Mesoscopic Devices held in Kona, Hawaii, April 25-29.

Joseph M. Powers, assistant professor of aerospace and mechanical engineering, presented a paper titled "Modeling Pyrotechnic Shock in a NASA Standard Initiator Driven Pin Puller" at the 30th AIAA/ASME/SAE/ASEE Joint Propulsion Conference in Indianapolis, Ind., June 27-29.

Billie F. Spencer Jr., associate professor of civil engineering and geological sciences, co-chaired a session titled "Damage and Fatigue" and presented a paper titled "Risk-Sensitive Structural Control Strategies" co-authored with C.H. Won and **Michael K. Sain**, Freimann professor of electrical engineering, at the second international conference on Computational Stochastic Mechanics in Athens, Greece, June 13-15. He co-authored three other papers presented at that conference: "Some Reflections on the Efficiency of Moment Closure Methods" with L.A. Bergman, S.F. Wojtkiewicz and E.A. Johnson, "Harmonic Vibration of Structural Systems with Random Properties" with K. Sobczyk and S. Wedrychowicz, and "Experimental Verification of Acceleration Feedback Control Strategies for MDOF Structures" with S.J. Dyke, P. Quast, M.K. Sain and D.C. Kaspari Jr. Spencer organized and chaired a session titled "Structural Control for Dynamic Hazard Mitigation" and chaired a session titled "Flexible Structures — III" at the 1994 American Control Conference in Baltimore, Md., June 29-July 1. He presented a paper titled "Structural Control Design: A Reliability-Based Approach" with D.C. Kaspari Jr. and M.K. Sain at that conference.

Donald E. Sporleder, professor of architecture, worked on a committee to develop grading criteria and samples for use at the grading session with the Architects Registration Examination Building Design Grading Coordinators Committee in Dearborn, Mich., June 19-21.

John W. Stamper, associate professor of architecture, delivered a paper titled "Six Architectural Memos for the Next Millennium" at the 1994 European conference of the Association of Collegiate Schools of Architecture in London, England, May 26.

Flint O. Thomas, associate professor of aerospace and mechanical engineering, served on the application review panel for the 1994 ONR Graduate Fellowship Program in Washington, D.C., March 1-2. He presented a seminar titled "Experiments on the Flow Field Physics of High Lift Systems" at the Boeing Commercial Airplane Co. in Seattle, Wash., March 7. He presented a seminar titled "The Flow Field Physics of Leading Edge Confluent Boundary Layers for High Lift Systems" at NASA Ames, Advanced Aerodynamics Concepts Branch in Moffett Field, Calif., March 8. Thomas chaired a session on Supersonic Jet Flow Physics at the AIAA Fluid Dynamics Conference held in Colorado Springs, Colo., June 20-23.

Raimo Väyrynen, professor of government and international studies and director of the Kroc Institute, delivered the inaugural address on "Inequality and Global Welfare: The Focus on Children" to about 900 participants of the 26th convention of the International Council of Social Welfare in Tampere, Finland, July 4.

Rev. Oliver F. Williams, C.S.C., associate professor of management, presented "Ethics in the MBA Curriculum" at the annual conference of the Graduate Management Admission Council in San Diego, Calif., June 24.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "IR Thermography Studies of CO Oxidation on Rh Catalysts" at the U.S.-Russian workshop on Environmental Catalysis in Wilmington, Del., Jan. 16. He co-authored a paper titled "Transient Studies of Methane Oxidative Coupling" at the San Diego ACS meeting in San Diego, Calif., March 13-17. He presented a seminar titled "Interactive Teaching With Computers" at the Depto. Ingenieria Quimica at the Universidad de Zaragoza in Zaragoza, Spain, March 9. He co-authored a paper titled "Scanning Probe Microscopy Studies of the Microstructure and Activity of Pd Thin Film Catalysts" and two posters presented by Feng Qin on "Effect of Forced Oscillations on the Dynamics of CO Oxidation on a Rh Catalysts and Transient Studies of the Oxidative Coupling of Methane on Metallo-Oxide Catalysts" at the spring symposium of the Chicago Catalysis Society in Naperville, Ill., May 8.

ADMINISTRATORS' NOTES

Appointments

Kent Goffinet, assistant director of the Annual Fund, has been named director of the development phone center. His new responsibilities include the operation of the phone center and the expansion of the fund's reunion giving and challenge programs.

Kathryn A. Hart, assistant project director for Information Resources, Inc., in Chicago, has been appointed assistant director of the Annual Fund. A 1993 Notre Dame graduate, Hart worked in the development phone center as an undergraduate student.

Jeffrey R. Shoup has been appointed director of residence life. A member of the residence life staff since 1989, he has served as acting director for the past year. His responsibilities include oversight of the University's student judicial system and hall staff training.

Jeanine A. Van Es, assistant director of the Annual Fund, has been promoted to associate director of the fund. Her new responsibilities include directing the fund's acknowledgments and mailing procedures.

Kathleen M. Webb, assistant director of the Annual Fund, has been named director of the fund. She will direct all aspects of the phone center as well as of the Sorin Society and the direct mail and matching gifts programs.

Honors

Shiree S. Moreland, assistant director for information services, Office of University Computing, received the Volunteer of the Year Award by Logan Industries in recognition for outstanding service to the developmentally disabled members of the community as a member of the Logan Industries Computer Task Force, June 14.

Addendum to the Faculty Roster

Fall 1993 Faculty

The following faculty member came to the University during the 1993 fall semester and was not included in *Notre Dame Report #4*.

FAYE L. MAGNESON, *Guest Assistant Professor of Biological Sciences*. B.S., Univ. of Northern Colorado, 1975; M.D., Bowman Gray School of Medicine, 1979. (1993)

Spring 1994 Faculty

The following faculty members came to the University during the 1994 spring semester and were not included in *Notre Dame Report #4*.

SCOTT APPLEBY, *Associate Professor of History*. B.A., Univ. of Notre Dame, 1978; M.A., Univ. of Chicago, 1979; Ph.D., *ibid.*, 1985. (1994)

JOYCE BLOCK, *Adjunct Assistant Professor of Psychology*. B.A., City College of New York, 1974; Ph.D., City Univ. of New York, 1982. (1994)

BERND BULDT, *Visiting Professor of Philosophy*. Grundstudium, Univ. of Bonn, 1980; Ph.D., Univ. of Bochum, 1991. (1994)

THOMAS A. CLEMENTS, *Adjunct Associate Professor of Law*. B.A., Univ. of Notre Dame, 1975; J.D., *ibid.*, 1986. (1994)

PRESTON C. CONRAD, *Guest Professor of Chemistry and Biochemistry*. Ph.D., Purdue Univ. (1994)

KARLA A. CRUISE, *Adjunct Instructor in German and Russian Languages and Literatures*. B.A., Hamilton College, 1985; M.A., Princeton Univ., 1988; M.A., Univ. of Chicago, 1992. (1994)

ELIZABETH A. DRUMM, *Adjunct Assistant Professor in the Program of Liberal Studies*. B.A., Univ. of Notre Dame, 1983; M.A., Univ. of Chicago, 1985. (1994)

RUSSELL S. FAEGES, *Part-time Instructor in Government and International Studies*. B.A., Univ. of Chicago; M.A., Georgetown Univ. (1992, 1994)

VICTOR V. FLAMBAUM, *Visiting Professor of Physics*. B.S., Novosibirsk Univ., 1974; M.S., Institute for Nuclear Physics, 1978; Ph.D., *ibid.*, 1987. (1994)

M.V. GEORGE, *Visiting Professor in the Radiation Laboratory*. B.S., Madras Christian College, 1948; M.S., St. John's College, 1951; Ph.D., *ibid.*, 1954. (1994)

LT. MATTHEW S. GRAEF, *Instructor in Naval Science*. B.S.M.E., Univ. of Illinois, 1988. (1994)

DOUGLAS C. HALL, *Visiting Assistant Professor of Electrical Engineering*. B.S., Miami Univ., 1985; M.S., Univ. of Illinois, 1988; Ph.D., *ibid.*, 1991. (1994)

PHILIP E. ISENBERG, *Adjunct Instructor in Music*. B.M., Univ. of Southern California, 1983; M.M., Manhattan School of Music, 1985. (1994)

PAUL J. JARRETT, *Instructor in Naval Science*. B.S., Montana College of Mineral Science and Technology, 1987. (1994)

MARY M. KEYS, *Visiting Instructor in Government and International Studies*. B.A., Boston College, 1988; M.A., Univ. of Toronto, 1989. (1994)

JACEK M. KURCZEWSKI, *Visiting Faculty Fellow in the Helen Kellogg Institute for International Studies*. Habilitation, Univ. of Warsaw, 1983. (1994)

MILOS MAREK, *Melchor Visiting Professor of Chemical Engineering*. postgrad., Charles Univ., 1964; Ph.D., PICT, 1965; M.Sc., *ibid.*, 1968. (1994)

THOMAS MASON, *Vice President for Business Affairs and Concurrent Assistant Professor of Accountancy*. B.S., Univ. of Detroit, 1959; M.B.A., *ibid.*, 1961. (1994)

AMITABH MATTOO, *Visiting Faculty Fellow in the Joan B. Kroc Institute for International Peace Studies*. M.Phil., Jawahar Lal Nehru Univ., 1985; Ph.D., Univ. of Oxford, England, 1992. (1994)

BRANKO MITROVIC, *Visiting Assistant Professor of Architecture*. P.I.M., S. Mitrovica, Yugoslavia, 1980; Dip.Inp.Arch., Belgrade Univ., 1987; Dipl., *ibid.*, 1992; M.S., Univ. of Pennsylvania, 1993. (1994)

TAMMY G. MITTELSTAEDT, *Assistant Professional Specialist in Accountancy*. B.S., Univ. of Illinois, 1986. (1994)

LINDA MONROE, *Part-time Adjunct Assistant Professor of Psychology*. B.A., Indiana Univ., South Bend, 1981; M.A., Univ. of Notre Dame, 1985; Ph.D., *ibid.*, 1988. (1994)

KYM A. MOORE, *Visiting Assistant Professor of Communication and Theatre*. B.A., State Univ. of New York, New Paltz, 1981; M.F.A., Univ. of Massachusetts, Amherst, 1992. (1994)

INGRID M. MÜLLER, *Assistant Professor of Biological Sciences*. M.S.C., Freie Univ. Berlin, 1983; Dr. Max-Planck-Inst. für Immunbiologie, Freiburg, 1986. (1994)

LIAM O'CONNOR, *Visiting Assistant Professor in the Rome Architecture Program*. B.A., Polytechnic of Central London, 1984; Dipl. in Arch., *ibid.*, 1988. (1993, 1994)

JOANNE PIERCE, *Visiting Assistant Professor of Theology*. A.B., Georgetown Univ., 1976; M.Div., Yale Univ., 1979; M.A., Univ. of Notre Dame, 1985; Ph.D., *ibid.*, 1988. (1994)

HAIDER RIZVI, *Visiting Faculty Fellow in the Joan B. Kroc Institute for International Peace Studies*. B.A., Punjab Univ., 1983; M.A., *ibid.*, 1986. (1994)

BEN R. SCHNEIDER, *Faculty Fellow in the Helen Kellogg Institute for International Studies*. B.A., Williams College, 1976; M.A., Columbia Univ., 1981; Ph.D., Univ. of California, Berkeley, 1987. (1994)

A.H. SCHWEBEL, *Visiting Assistant Professor of Architecture*. P.E.R.L., Univ. of Chicago, 1988. (1994)

JEFFREY A. SCONCE, *Visiting Instructor in Communication and Theatre*. B.A., Univ. of Texas, Austin, 1985; B.S., *ibid.*, 1985; M.A., *ibid.*, 1989. (1994)

DIETER STURMA, *Visiting Professor of Philosophy*. Staatsexamen, Univ. Hannover, 1980; Ph.D., *ibid.*, 1984. (1994)

TIMOTHY E. TANCEY, *Concurrent Instructor in Accountancy*. Assoc. Degree, Southwestern Michigan College, 1988; B.S., Indiana Univ., South Bend, 1990. (1994)

MANETTA A. TEPE, *Part-time Adjunct Instructor in Architecture*. B.Arch., Univ. of Notre Dame, 1992. (1994)

ALEXANDER TULINSKY, *Visiting Professor of Chemistry and Biochemistry*. A.B., Temple Univ., 1952; Ph.D., Princeton Univ., 1956. (1994)

257th Graduate Council Minutes April 13, 1994

Members present: Nathan O. Hatch, chair; JoAnn DellaNeva; Peter Diffley; Ethan T. Haimo; John W. Houghton; Jeffrey C. Kantor; Scott P. Mainwaring; Anthony N. Michel; Wilson D. Miscamble, C.S.C.; Thomas J. Mueller; Kathie E. Newman; Thomas L. Nowak; Sharon L. O'Brien; James H. Powell; Chris R. Vanden Bossche; Diane R. Wilson; Edward Wingenbach.

Members absent and excused: Harold W. Attridge; Francis J. Castellino, represented by Charles F. Kulpa, Jr.; Gregory E. Dowd; Morton S. Fuchs; Kimberly A. Gray; John G. Keane; Robert C. Miller, represented by Maureen Gleason; Andrew J. Sommese; Barbara M. Turpin; John H. Van Engen.

Guests: Reginald Bain; James Collins; Michael Etzel; Stephen Fredman; Mark Pilkinton.

Observer: Edward J. Conlon.

Dean Nathan O. Hatch opened the meeting at 3:40 p.m. on April 13, 1994, in Room 210, Center for Continuing Education. He welcomed the guests present for the review of the Department of Communication and Theatre, and new member Edward Wingenbach, recently elected president of the Graduate Student Union. He announced the results of the Graduate Council election; the newly elected members are Michael Detlefsen, professor of philosophy; Christopher Hamlin, associate professor of history; and Scott Maxwell, chair and professor of psychology. He thanked all members of the council for their contributions during the past year, especially those involved in special committee work, and he recognized departing members Rita Francis, Kimberly Gray, Ethan Haimo, John Houghton, Scott Mainwaring, Wilson Miscamble, C.S.C., Kathie Newman, Andrew Sommese, Chris Vanden Bossche and John Van Engen.

Dean Hatch noted that Notre Dame has moved up one category in the new Carnegie Foundation classification of educational institutions, from Doctoral Universities I to Research Universities II. Institutions are classified according to the highest level of degree they award, the number of degrees conferred, and the amount of federal research support they receive. He also distributed copies of a chart illustrating the dramatic increase in external fellowships awarded to Notre Dame graduate students in recent years, from two in 1981 to 62 in 1994.

DOCUMENTATION

I. Minutes of the 256th Graduate Council Meeting

The minutes were approved without correction.

II. Admission to Degree Candidacy

Prof. Hatch asked for a motion to approve the applicants for degree candidacy; a motion was made and was approved by voice vote.

III. Review of the Department of Communication and Theatre

Fr. Miscamble prefaced his presentation of the internal review committee's report on the review of the Department of Communication and Theatre by observing that things might have changed since the departmental report was prepared by Mark Pilkinton in 1992. He also said it was important to note that the committee worked with four external reviewers, two from the communications field and two from theatre, and it did not find consensus in their reports. He said the committee members did their best to come up with their own considered judgments on six central issues: department structure (to integrate or separate); graduate program; faculty; curriculum; name of department; adequacy of facilities.

All of the reviewers were unanimous in praising Prof. Mark Pilkinton for his excellent work in bringing the two sides of the department together. There was also general agreement about the poor condition of facilities. Theatre is somewhat better now, but communication is in desperate shape. He said hope lies in the plan for the new Performing Arts Center, although its completion date is unknown.

Fr. Miscamble said that communication and theatre is primarily an undergraduate program; the small summer M.A. program was inherited from American studies. The committee recommended a renewed attempt at keeping the communication and theatre programs together. Committee member Michael Etzel said the key dimensions are whether the two groups in the department can work together, and the state of the facilities. Committee member Stephen Fredman stressed that the report is out of date.

In his response, Prof. Pilkinton first addressed the issue of facilities, saying that he had hoped to be breaking ground for the new building by now, and that everyone is disappointed that the building project hasn't moved faster. He said he still finds himself dealing with overloads in the communication area and no new faculty, and it is difficult holding communication majors down to 110; the

number could go up. He said that although it is called "communication," that area is really film/video production and critical theory.

At the time of review, only a few of the department's 110 majors were in theatre. Now the department is graduating 12 theatre majors, and he said there are many "closet majors." In the last 10 months, the number of theatre majors has increased to about 25.

Regarding the department structure, he said the department has divided into two areas and two committees. Picking up on a reviewer's comment, Prof. Pilkinton said the communication and theatre programs did not have a bad marriage — it wasn't a marriage at all because of natures of disciplines. He said the compatibility of the faculty is not a problem. They respect each other but functionally they are doing two different things. He said that being housed in two separate facilities exacerbates the problem of working together.

Prof. James Collins underlined Prof. Pilkinton's points about getting along well, saying that the problem is temporal, not philosophical. If the department's size remains small and separation is not feasible, he said the options would be enforced integration or, preferably, more active cooperation. He also stressed the number problems, saying that in eight years the number of majors has grown from 35 to about 135; film and critical studies courses are restricted to majors-only and they still have waiting lists. Also, the critical studies faculty teach too many introductory courses. The film/video production areas are especially limited by facilities and faculty, he said, and not by a lack of desire or qualified students. All majors in the department share the same core curriculum.

Dean Hatch asked about the state of the graduate program, and Prof. Collins replied that the department is "grandfathering through" students who came with the M.A. program inherited from American studies; about five or six students are still finishing. He described the current program as being "10 miles wide and 2 inches deep." Attempts to give some substance to the program have not been successful and it is in the process of being phased out. No new students have been accepted in two years. The department wants to introduce an interdisciplinary M.A. program in media and contemporary culture. It has in mind clearly a delineated program to address specific questions.

Prof. Pilkinton said that on the theatre side, students and faculty will want a master's program as soon as the department is in the new building. It would be possible with a slight increase in faculty to do an M.F.A. in costume design and production, he said.

Prof. Reginald Bain, who will become chair of the department in the fall, stressed that, even with its problems, the department has a working, viable program. As faculty, he said, we have reached the point now where we're willing to talk about integration, even though we are used to thinking separately. They have begun to discuss ways of linking and have found some very similar approaches and interests.

Prof. Bain said that every year, about half of all the students who go on to very good graduate programs in theatre and film are not majors. Those programs look at auditions, not the number of courses taken. He stressed the importance of balancing technical training with other needs in order to better prepare students.

Prof. Kantor asked for elaboration on the prospects for an M.F.A. program in theatre. Prof. Pilkinton called it the obvious next step — an M.F.A. in areas of need in this country. The first M.F.A.s might be in technical direction and stage management, which are terminal, technical degrees, because there are plenty of opportunities in those areas. He said the new building will provide the base for these programs, which are facilities-driven in the same way as the sciences, requiring highly specialized teaching and facilities. He said directing and acting would be further down the list.

Prof. DellaNeve wanted to publicly thank the department for their cooperation with the Department of Romance Languages and Literatures, especially for getting the French plays off the ground. She also spoke to the benefits of separation, based on her experience in the language programs.

Prof. Mainwaring pointed out a unique element of this report, that is, to end a graduate program. He said he has not heard compelling logic to begin a new one. Is there a distinctive niche? he asked. Do we need this new program, when we're already stretched thin?

Prof. Collins said the department pressed the reviewers about this question because of its own concern about resources. Their opinion was that the kind of program being considered is "growth stock." The move to interdisciplinary programs is on the rise, he said, citing Harvard's programs on thought as an example. There is a niche for the study of media beyond the enclosure of a traditional film department or mass communication department. Currently existing institutional structures will be hard pressed to address the emerging information culture, he said. The department could provide the infrastructure for Notre Dame to address a major shortcoming by making a commitment to the study of contemporary culture and the forces that shape it.

Dean Hatch agreed that the department would certainly need greater resources. Since there were no other pressing questions, he adjourned the Graduate Council meeting and turned the chair over to the provost for the joint meeting of the Graduate Council and the University Committee on Research and Sponsored Programs.

IV. Joint Meeting of the Graduate Council and the University Committee on Research and Sponsored Programs

Members present: Thomas Cosimano; Kent Emery; Anthony K. Hyder; David Kirkner; Francis M. Kobayashi; Thomas J. Mason; Marvin Miller; Walter Nugent; Arvind Varma.

Members absent and excused: Nathan O. Hatch; Trai T. Le; Daniel J. Pasto; Larry Patterson; David Ricchiute.

Provost O'Meara said the joint meeting was called for the purpose of electing a committee to conduct the five-year review of the Vice President for Graduate Studies and Research. It is not a review for renewal of appointment, he said; it is a review of an ongoing administrative position, to which appointment is made by the president with the approval of the trustees. The review is of Prof. Hatch's work, to determine if graduate studies and research have been done well during his tenure. He read the definition for the position from the faculty manual. He said the review could be completed by the end of September or, if necessary, by Thanksgiving.

Provost O'Meara said the group was to elect five faculty members and one student; the committee once constituted would select its own chair. The group agreed that the five faculty should include one representative from each of the Graduate School's four divisions (Humanities, Social Sciences, Science and Engineering) and one member to represent the Law School and College of Business Administration. The student member would be appointed by the president of the Graduate Student Union.

Voting on nominations solicited from the floor resulted in the election of the following committee members and two alternates for each position: Humanities — Philip Quinn (alternates, Gary Gutting and Larry Cunningham); Social Sciences — Scott Mainwaring (alternates, John Borkowski and Peri Arnold); Science — Francis Castellino (alternates, Julia Knight and Gerald Jones); Engineering — Joan Brennecke (alternates, William Gray and Daniel Costello); Law and Business — Tex Dutille (alternates, Thomas Frecka and Trai Le).

The meeting was adjourned at 5:30 p.m.

Faculty Senate Journal January 20, 1994

The chair professor Richard Sheehan called the meeting to order in room 202 of the Center for Continuing Education at 7 p.m. and asked professor Wilson Miscamble, C.S.C., to offer a prayer. He prayed especially for the Pilkinton family, grieving over the loss of professor Lucy Pilkinton.

In his report, the chair asked all senators, on behalf of the self-study committee, to return the survey it had recently distributed; that committee was to meet briefly after the senate's meeting on this night. Responses to the salary survey have been coming in regularly; over 300 have so far been recorded, about half of those sent out; they have been 80 percent favorable to the release of salary data as requested by the senate. The chair will send a reminder letter to all who received the survey to encourage further returns.

On the senate's request to the trustees for a third opportunity to meet with its Academic and Faculty Affairs Committee, the chair Patrick McCartan has responded favorably and will look into possible dates. In its last meeting the senate had asked Sheehan to write to the Provost's Advisory Committee to express its dissatisfaction with the handling of its earlier request to release salary data by college, department and rank, which he did; there has been no response as yet. Finally he reported that the senate's resolution last year to change the Academic Articles in respect to the Elections Committee was received favorably by the Academic Council; it in fact voted to change the procedures even more than the senate had requested.

Next Sheehan turned to the November and December journals. Professor Sonja Jordan moved to accept the November journal, as modified, professor John Affleck-Graves seconded, and the senate agreed. As for the December journal, professor Donald Sporleder moved to accept it, subject to any modifications reported to the secretary within ten days, and professor Philip Quinn seconded. The senate agreed.

STANDING COMMITTEE REPORTS

Benefits — the chair Affleck-Graves asked for comments on the compensation report. Professor Edward Vasta suggested that we find some manner to separate out chaired professors as a specific rank, for salary reporting; the figures for professors are skewed by chaired professors. Affleck-Graves agreed and would look for ways to do so. Sheehan concurred. The secretary Peter Lombardo asked what kind of return he was seeking of the salary survey; he responded that with well over 200 usable returns, this

was a very good start for getting figures by college; if we received three departmental responses by rank, so an individual's salary could not be deduced, then the final report would include figures by department and rank. Sheehan further commented that a few responses have been unfavorable, saying the senate should not be involved in this; he agreed, to the extent that it is a negative comment on Notre Dame's own procedures.

Also the Benefits Committee is looking into group life insurance. Are Notre Dame's offered rates competitive? Professor William Eagan suggested a company that would provide five quotes to each individual who called; as many as 80 percent of our faculty would receive lower rates in this manner. However, for the senate to pursue this might not be in the best interest of the whole community, so Affleck-Graves believed it should be dropped. Professor Mario Borelli asked if the insurance offered might be done in terms other than one or two or three times salary. Affleck-Graves thought that could be changed. Professor Thomas Cashore reported that the changes this year were probably as result of the new carrier TIAA/CREF. Borelli moved to send the Faculty Compensation Report to the entire faculty, Quinn seconded and the senate agreed.

Eagan asked if any response had been received from the provost on the senate's request for the release of IRS 990; Sheehan replied none as yet.

Administrative Affairs — no report.

Student Affairs — no report.

Academic Affairs — professor David Burrell, C.S.C., being on leave, Jordan would chair the committee this semester. She reported the committee was concentrating on getting responses from departments on the question of Catholic identity. Only one-third had so far replied to the committee's request. Borelli reported that one other issue before the committee, a follow-up to Colloquy recommendation #4 on a University teaching center, was also before the Academic Council.

At this point, the senate went into recess to invite its guest for the evening University provost Timothy O'Meara, to speak and answer questions from members. O'Meara said he always looked forward to spending time with the senate, and recognized professor Frank Connolly for the first question. Connolly asked about the status of the group Gays and Lesbians of Notre Dame and Saint Mary's College (GLNDSMC); more than a year ago the vice president for student affairs Patricia O'Hara had met with a group of senators to explain her rejection of their application for recognition and had offered as an alternative some formation under the auspices of Campus Ministry, but nothing had been heard since.

DOCUMENTATION

O'Meara remembered that the officers had discussed this matter at a meeting last summer and he had talked about it with vice president O'Hara that afternoon. But, he would have to check to see exactly what was decided. The provost would pass along the strong feeling of the senate on this, and would hope to have an answer back to the senate soon. Connolly reminded him that GLNDSMC had been waiting for some response for a total of eight years.

Professor Philip Quinn turned the questioning to a recent news story in the *National Catholic Reporter* (NCR) which he had found very alarming. It alleged that twice in recent years outside interventions had violated Notre Dame's institutional autonomy, in particular the integrity of our academic appointments process for faculty and other academic staff. He knew the provost must also be concerned about this. The first instance cited was a letter of the local ordinary, John D'Arcy, to several powerful Catholics in which he opposed an attempt by several faculty members at Notre Dame to bring Catholic theologian Fr. Charles Curran to the University as a tenured fellow of the Peace Institute. The second was a decision by University president Fr. Monk Malloy, C.S.C., to abolish the Program for Church Leaders rather than appoint as director the candidate unanimously recommended by the search committee, Beverly Brazauskas; she has a law suit pending against both the diocese and Sacred Heart Parish on campus. Was the decision to abolish the program driven in some part by fear of the bishop's possible displeasure? Quinn asked O'Meara if the allegations were true, what inferences we should draw if they are, and which parts of the story are not true?

O'Meara would not comment on the second allegation because of pending litigation involving individuals at the University. Quinn asked that, since he was not a defendant in the lawsuit, why would he not talk candidly about it with colleagues? In answer, O'Meara said he was not trying to evade an answer, but he was concerned that he might be called upon for testimony. He felt the nature of the litigation demanded that he give his own comments considerable forethought, so they would not be misinterpreted. When the litigation has been completed, he would then feel free to discuss it in greater detail.

For O'Meara, the larger issue raised by the story and Quinn's question was the independence and autonomy of the University from outside influences as described. This was one of the major issues facing Notre Dame and other Catholic institutions. The University had recently presented, he believed, a very forthright statement on this for consideration by the bishops, which made it clear that there can be no outside intervention or interference with our appointments process. On the Curran matter, Fathers McBrien and McCormick had approached Fr. Malloy concerning the possibility of an academic ap-

pointment for Fr. Curran in the Peace Institute. He was unaware of their seeing Fr. Malloy until after the fact. However, there was not an appointment for Curran in process at any time.

Professor Jean Porter referred to the provost's statement that he did not know of the possibility of a Curran appointment, and was disturbed by the implication that the chief academic officer was not involved in this process, including the discussions or conversations which led to the decision not to offer an appointment. Porter was disturbed that he seemed to have been put in a position where he did not know something of importance.

The provost said that no appointment was even in process and that he was unaware at the time of any conversations on the matter. He was informed only after Fathers McBrien and McCormick had gone to see Fr. Malloy.

Professor Richard McBrien sought to clarify the discussion on Curran, although he would not speak on the second allegation made in the NCR article, because of his own interest in this matter. He and a colleague in the theology department, Rev. Richard McCormick, S.J., spoke with the president about the possibility of bringing Fr. Curran onto the faculty in Malloy's first year as president. He spoke frankly with them about his concern in regard to Fr. Curran's departure from Catholic University, and he did not want to start his term of office amid the controversy that would ensue if Curran were to come to Notre Dame. The NCR article also reported on the role of Cardinal Bernardin of Chicago, who wanted to try to do something of a positive nature to bring about a reconciliation between theologians and bishops in the United States, to try to heal the wounds caused by the Curran departure from Catholic University. Another party, whom McBrien could not mention, assured McBrien and McCormick that Bernardin would be supportive of the idea that Curran be appointed to the Peace Institute at Notre Dame, not to the theology department, and it was this idea that was floated to the president. The cardinal made it clear that he would see to it that the bishops and the Vatican would not oppose such an appointment, if there was no opposition from the local bishop.

Bernardin then proposed the idea to the local bishop who gave no direct response, except to say they should continue talking. Shortly after that discussion, the bishop wrote to the president of the U.S.C.C., to the Vatican, to Cardinal Bernardin, and to Fr. Malloy that such an appointment would be pastorally harmful. McBrien agreed with the vicar general of the diocese that a bishop has the right and duty to protect the pastoral integrity and health of his diocese. But, although the bishop may try to deny that he had interfered in the academic appointments process, the record was otherwise. McBrien continued, say-

DOCUMENTATION

ing that he and Fr. McCormick were simply exploring the possibilities of such an appointment with Fr. Malloy. No formal procedures had as yet been initiated. He and McCormick were trying to devise a delicate and sensitive compromise to make Curran available to the University, and to assist with the Bernardin effort at reconciliation and healing. All of this was aborted by the bishop's intervention.

O'Meara repeated that he knew only that McBrien and McCormick had spoken to Malloy, but he was not aware of the details in those conversations at the time. He knew the outcome was negative. In fact, he did not know until several years later of the discussions with Bernardin, which McBrien had felt duty-bound not to reveal.

McBrien concluded that the appearances in the *NCR* story were bad. To him the burden was on others to clear up those appearances for the University. Professor Wilson Miscamble, C.S.C., said that *NCR* had not always been the most truthful source of information about Church matters, and that the course followed by McBrien and McCormick was quite irregular. Even if it were a delicate political situation, why would they have considered involving an outside prelate in a University matter? This was as bad as what they were accusing the local bishop of doing. This discussion to him was sickening and would only serve to bring disrespect on the senate.

O'Meara adamantly believed that the University must be totally responsible for its own academic appointments. He had no doubt that Notre Dame would continue to exercise its independence in these matters. Having only recently learned the details provided by McBrien, he did not want to comment on the specifics of the Bernardin matter. In general, though, Notre Dame and Fr. Malloy have publicly taken a strong stand, in its response to the Ordinances, against the kind of external influence we are talking about here. The University has always been quite clear on this issue. In the meanwhile, we should not be undercutting our procedures through end runs. Catholic higher education is in a transition state, and the statement Notre Dame has presented to the bishops is part of the continuing dialogue to assert its own institutional autonomy.

In their defense, McBrien said he and McCormick went to the president because McCormick and Malloy were colleagues as moral theologians in the same department, and McBrien was departmental chair. He agreed that Miscamble's view may be correct, and well-taken. But Curran was an eminent moral theologian, at the time without any full-time academic appointment anywhere, and there seemed to be an opportunity for a solution of the problem not only to Curran's advantage and the Church's, but also to Notre Dame's. Malloy was obviously nervous about any possibility of Curran coming to

Notre Dame. However, Bernardin, as part of his own larger purpose of reconciliation, was simply offering to be helpful. Nobody here went to him seeking his assistance; he offered his help through a third party. Miscamble pointed out that neither McBrien nor McCormick had any connection to the Peace Institute and that their behavior was inappropriate.

For O'Meara, end runs such as this one generally do more harm than good, and this one is a case in point.

Porter asked what sort of assurance O'Meara could give the faculty that interference by a bishop or official religious official would not take place in the future?

O'Meara responded that nobody can guarantee the future, but that he was personally confident about maintaining Notre Dame's institutional independence. Fr. Malloy as well as the provost have been consistent in this regard, most recently in the University's response to the Ordinances.

The University must be responsible for all facets of its life as a university, including its Catholic identity. The involvement of the faculty in all facets, including Catholic identity, is one of the greatest assurances we have to protect our independence as a university. If the faculty washed its hands of the concern to define and construct a great Catholic university, then it would not be accepting its proper responsibility, and others will try to define Catholic identity for Notre Dame. This is the point he is making to the departments as he visits each one in turn: be engaged in this issue. Although he could not predict the future, he could not conceive of a bishop trying to interfere with Notre Dame's academic appointments processes. But the president as well as he has emphatically stated the University's position.

Professor Mario Borelli agreed that Notre Dame's response to the Ordinances, endorsed by both the Faculty Senate and the Academic Council, was a good case in point.

The provost continued, noting that there is a real difference in the way in which people go about business in an ecclesial culture as compared to an academic one. Once again, O'Meara referred to the ongoing discussions on the Ordinances as an illustration of the phenomenon. It is through engaging in frank discussions that we can change this relationship, and iron out the differences. O'Meara repeated that the faculty has a responsibility to contribute to the growth of the institution in this respect.

Professor Gerald Bradley asked: What if some course of action had led to an appointment of Fr. Curran, and what if the bishop had issued a public statement that he had serious concerns for Notre Dame's Catholic character? What did the provost think might happen?

DOCUMENTATION

O'Meara saw this as very hypothetical, but for the sake of argument he said any individual bishop was fully entitled to express his opinion. He used as a model for his discussion the role of Milwaukee's Archbishop Weakland in the Marquette University controversy over professor Dan Maguire's position on abortion. The archbishop distinguished between theological exploration as a legitimate role protected by academic freedom in a university setting and setting this forth as Catholic doctrine. Weakland simply said Maguire's teaching was not consistent with Catholic doctrine, but did not ask for him to be silenced or fired. There was a difference in jurisdictional roles which Weakland understood, and the provost hoped that others would also understand. The bishop can and should express an opinion, and the University must defend its academic integrity. Again he referred to Notre Dame's strong statement in response to the Ordinances.

But Bradley thought such a statement from a bishop, even if seen only as an expression of opinion, would have a chilling effect the next time a university president was faced with a controversial appointment. Did the provost see this as giving a bishop the right to intervene in the appointments process?

O'Meara repeated that everyone had the right to voice an opinion. There is of course quite a distinction between influence and pressure. Ultimately the matter resides in how the University responds.

Bradley saw the bishop's role as one thing and a university chief academic officer's as another. The two must work in tandem, and it would be useful to have a continuing conversation between the bishop and the university. Both should resist the temptation to characterize discussions as positive or negative.

O'Meara agreed totally and added that Notre Dame as well as he himself has very good relations with the local bishop.

McBrien questioned the provost on a related issue. The University's response to the Ordinances contained the sentence, "Evaluative judgment concerning the product of a theologian's scholarly research will normally be left to his or her peers." He was concerned about "normally." Such judgment will always and only be left to his or her peers.

O'Meara was sure the word as used there was only rhetorical, not a strict, carefully-crafted use.

Later in the same document, McBrien continued, there was a call for cooperation with the local bishop "in the framework of a respectful and cordial pastoral relationship," and also the statement that a bishop's canonical

authority does not depend on the ordinances for its existence or effectiveness. But just before that, the text said there were grounds for appropriate action on the part of Church authority, if the Christian message was at stake.

In reply, O'Meara said that he personally saw, for example, a Weakland kind of action as perfectly appropriate.

McBrien would not question the right of a bishop to say whatever he wanted, or even a group of them, denouncing theological or canonical positions of someone in a university community. The question was not prerogatives within the canonical/pastoral sector of a bishop's office, but nothing any of them do should ever, ever have any impact on the internal life and governance of a university. He stressed "never" in terms of faculty appointments, promotions, and the like. None of this impinged on his pastoral work or authority, nor did it ever make him an unwelcome guest on campus for dialogue, for conversation, for liturgy. There was no intent to challenge a bishop's pastoral authority or responsibility, only to assert the integrity of the academic process.

For professor Michael Detlefsen the case was not so simply closed. The senate had just heard of a bishop engaging in his freedom of expression with the outcome, very predictably, being that an offer of employment was stopped dead before the process could be completed. He felt we had to have a president and chief academic officer who would assure us of the integrity of our appointments process. McBrien agreed, saying the blame would ultimately be not on the bishop but on the academic officer(s) who yielded to the pressure, even indirect, or who made academic decisions on other than academic grounds. Detlefsen asserted that we should have academic officers who would not let public or private expressions of positions by a bishop determine whether they favor an appointment or whatever.

O'Meara affirmed that the local bishop has as much right as other public figures — including the press, our colleagues in academe, and anyone else — to try to exert his influence. He believed in ongoing and cordial relations with the institutional Church. But in the end the University's decisions must be its own.

Professor Paul Weithman wondered if the more we talk about Catholic character, the more potential we create for a disaster if we make an appointment that a bishop speaks out against.

O'Meara replied that the very same arguments Weithman was making led him to the opposite conclusion. Indeed it was only if University faculty and administration took Catholic identity seriously, and were perceived as doing so, that the bishops will not try to interfere with institutional integrity.

DOCUMENTATION

For Weithman the issue would then be to give a clear and coherent sense of what it is to be a Catholic university.

O'Meara said he understood the sensitivities involved in this issue, and believed that they were greater than any particular instance with one bishop. The main issue was how will Notre Dame continue to be a great Catholic university into the next century, and who will carry the ball? He repeated that the faculty should play a significant role in this.

Porter asked a hypothetical question to try to understand better what was involved here. If it was granted that one way, as O'Meara said, to help guarantee the appropriate boundary between a bishop and a university was for the faculty to take greater responsibility for Catholic character, that might enable us to internalize the decisions and judgments a bishop might make on an appointment before he actually makes them. Suppose a department sent to the provost an appointment whose academic credentials were outstanding but who had publicly taken a position contrary to the Magisterium. Would it be appropriate for anyone above the departmental level to block that appointment solely on the ground that the person's views were inconsistent with Catholic orthodoxy?

O'Meara, saying this was a very hypothetical situation, could not recall anything like that ever reaching him. In a more general context, however, there already are, for example, non-academic grounds, which are not in any way related to our Catholic identity, for denying an appointment.

McBrien agreed there can be other considerations: Would that person make a good colleague, does he or she have a dysfunctional personality, would he or she get along well with students? Here at Notre Dame how would a person fit with our Catholic identity, however defined? As to Porter's point on the Magisterium, that should not be a disqualifying factor because circumstances and contexts change over time; it would be best to be very careful about disqualifying someone solely on this.

Professor Edward Vasta added considerations of budget to the non-academic reasons why someone might be turned down for tenure; perhaps there's not enough money for four tenure promotions, only two. He saw the trustees of the University as another group who might influence appointments or promotions, and they certainly are part of the University. He asked if board members have intervened in these kinds of decisions.

O'Meara said absolutely not. Perhaps they do elsewhere, but not at Notre Dame. The concept of their doing so here was foreign to their method of operation, and of the way he has worked with them.

Vasta related the story of the way a board member assisted his department in trying to hire the foremost authority in a certain field; the administration on budgetary grounds turned down any pursuit of this person. A board member was approached with this problem and agreed to endow a chair to attract this person to Notre Dame; he accepted it and is here now.

O'Meara agreed that this was a fortunate and happy conclusion.

Vasta had also heard that a certain person in his department was denied tenure because a board member did not like him. Vasta asked the provost to comment.

O'Meara said that was nonsense. Indeed, the provost added, in the Curran case, if Curran had been at the University, no pressure would have dislodged him.

McBrien agreed, saying that if Curran had been here, not even the Vatican would have been able to touch his status on the faculty. The pressure would always come at the time of appointment and not so much on promotion to tenure or toward a person with tenure. The laws are too clear on that.

Professor John Borkowski asked O'Meara if he agreed with Vasta's interpretation of the budgetary restrictions. Have we refused to promote someone because there wasn't money to do so?

The provost responded absolutely no, the resources question has never been used, during his tenure as provost, against a promotion.

Miscamble turned the questioning to another topic, asking the provost to speak about the work of the four follow-up committees of the Colloquy, especially that on curriculum.

Since these committees had only recently been formed, O'Meara could report little. As far as the curriculum committee was concerned there were now four subcommittees, representing each of the undergraduate colleges and each chaired by a faculty member, to solicit input and suggestions (O'Connor — arts and letters; Lappin — science; Keating — business administration; Stanisic — engineering).

Borkowski wondered how the provost felt about the administrative changes recently put in place in regard to PAC, the Academic Council and the senate itself.

On the issue of faculty governance, O'Meara thought Notre Dame was still evolving. He recalled that the formative years for his view of faculty and how universities should operate came in part from his time as a math-

DOCUMENTATION

ematics professor full-time but more especially from his years as provost; much of the evolution in his own thinking had come as a result of his contact with the senate or when he would work with members of the senate on a project. In the recent past, the University has seen a reaction to the inadequate involvement of faculty over the years. In a few years when it is time to re-evaluate these new mechanisms, we will undoubtedly want to improve and streamline them. He did feel the senate should remain free of administrators; it should be a faculty body distinct from the other structures we have. He would not tell the senate what its future role should be; that was for the senate to decide and seize.

Borkowski responded that he saw the senate playing a role of conscience within the University; for him its members have a certain freedom of expression that may be offensive or may be constructive, a place where faculty can pinprick the administration, perhaps even including the provost!

Connolly picked up on the provost's remark about administrators sitting on the senate. Since the senate was one of the two University-wide bodies with standing in the Academic Articles, wouldn't it be sensible to have administrators as members for purposes like accountability? A Colloquy committee had recommended this, and the senate itself was studying the concept in light of the April Accords.

O'Meara replied that this matter was not something that was being discussed within the administration at this time. There is no administration position on it. His own personal view was that it was not a good idea; currently both the president and provost visit the senate annually for evenings like this one, and they seem to be well-received. Quinn offered this information: The senate's Administrative Affairs Committee took up the matter of inviting the provost to be an ex-officio member of the senate last year, but there was not a majority on the committee in favor of the idea; thus it was never brought to the senate floor or anywhere else.

Professor William Eagan, on a more mundane note, asked why the senate request for the release of IRS 990 one year ago had not yet been responded to. The form is a matter of public information.

O'Meara promised to look into it and send the information to the senate (Secretary's note: the form was received shortly after this meeting and is available in the Faculty Senate office).

The next topic concerned the expanded role of PAC in relation to the traditional role of the CAP. Professor John Affleck-Graves pointed out that a CAP arrives at its decision after lengthy deliberation; each college dean makes

an independent recommendation, but the dean informs the CAP if disagreement is anticipated. There is a dialogue in this process. However, Affleck-Graves continued, the larger PAC does not have the time to spend on individual cases that the CAP does, and it is not a super CAP. Wouldn't it be possible to have dialogue between CAP and PAC, where there is concern indicated? PAC members, with good will, are not experts in every discipline.

For O'Meara, it should be left to the dean to bring PAC concerns back to the CAP. The provost added that the number of times anything such as this has occurred has been small.

Affleck-Graves thought some mechanism other than the dean could be devised. The current situation just leaves CAP members unsure of how strong or superlative they need to be in their recommendation to make sure PAC understands their position.

O'Meara raised a related matter: The new calendar for decisions may be too rushed. PAC holds two series of meetings; between them, PAC seeks more information on cases where concern has been expressed. He asked Affleck-Graves to send him a letter on these matters.

Professor David Ruccio said there was a difference in accountability between PAC and a CAP; PAC has no written rules, but a CAP does and has to adhere to them in the interests of fairness to the candidate all along the line. The CAP process even includes an established grievance procedure. But with PAC, faculty members don't even know how a problem is defined, or what PAC considers as a concern.

O'Meara gave as an example a case where the outside letters were mixed (two strong, two weak), and further clarification was needed.

But, according to Ruccio, if the CAP has already considered those letters and nevertheless recommended the candidate for promotion, why would PAC see a need for clarification or a problem or a concern?

According to the provost, PAC's role is one of oversight, and it has done this well. Indeed the PAC has played a role in raising standards in weaker departments, in emphasizing standards. PAC was never intended to be a group of experts in a particular field; it is not a super CAP. As for the workings of PAC, the provost writes regularly to the faculty to describe what PAC is and what it does. O'Meara repeated that PAC has contributed significantly to improving the academic quality of the University.

Quinn tried to clarify the idea of a "problem" for PAC. He believed a problem might better be called a question, a need for a bit more information. In such cases the dean

DOCUMENTATION

asks the departmental chair or CAP to supply this information, and he brings it to the next PAC meeting. To him this was a sensible and workable method of operation, but it did leave room perhaps for misunderstanding. A better way might be to allow the chair or CAP representative to appear in person before PAC with the desired information.

Borkowski asked if PAC had gotten involved in strategic planning yet.

O'Meara responded that it has. For example, it was the responsibility of PAC to consider and refine all the recommendations in the Academic Life Report of the Colloquy. This refined list was then taken to the officers for further consideration and approval. This final list of recommendations will form the basis of the next fund-raising campaign. This was a good example of how well PAC is working, and the provost had reported that to the faculty in his letter. On balance O'Meara believed that PAC was developing extremely well.

Detlefsen asked about the over-representation of some campus units on PAC.

O'Meara said he was aware of the over-representation, for example, of the Law School. But it was important to get PAC started. The time to reconsider representation, to sort out problems, will be in the five-year review.

Although PAC did not present an acute problem, Sheehan worried how (given confidentiality requirements) information from this and especially from other bodies would be relayed back to the constituencies.

O'Meara's response was that he has written letters to the faculty to explain PAC; these letters he has tried to make comprehensive and comprehensible. At times a phrase may not come out exactly as he had planned. For instance, he related, his comment on PAC's action in regard to Sheehan's request for faculty salary averages across departments did not convey the extent of the consideration PAC had given the issue. He apologized for the turn of phrase. PAC had actually spent a great deal of time, weighing all the positives and negatives of this issue. The final conclusion of PAC was negative.

Ruccio turned to a practical matter. Referring to the mid-January weather of extreme cold and high winds, he asked who makes the decision to keep the University open or to close it in bad weather?

O'Meara said such a decision is arrived at jointly by the vice president for business affairs and the provost, and is never made lightly. In this case because of his imminent departure for Washington (postponed because of the bad

weather!), it was Roger Schmitz in his place making the decision with Tom Mason. He believed they made the right decision to keep the University in session. But no one should do anything rash. People should stay at home until conditions improve, if they cannot get to campus in safety.

Ruccio interjected that most staff members would not be paid if they stayed home, a powerful incentive. Not everyone has the money to spend on good cars that always start. Conditions were dangerous. Borelli added that even walking on campus exposed people to danger. Ruccio said the University was changing; many more employees live further away from campus than ever before. Borkowski asked that consideration be given to the increased number of students, faculty and staff who must take children to daycare centers in dangerous weather.

The provost acknowledged that staff were not told they could stay home and not be penalized; he realized the dilemma many face in making such a decision. He said the differentiation between continuing classes and full staffing has been made on occasion, as has the decision to close down completely. He would not hesitate to close if conditions warranted. O'Meara said the important thing to remember was that this is primarily a residential campus; the students are here, and their educational concerns must be taken into account.

In connection with the discussion on working conditions, Porter asked how Catholic identity played into equity decisions, especially on salaries for staff?

The provost, who dealt with faculty salaries, did not feel completely qualified to address this, but said salaries for staff were set on a local basis, in relation to what other employers in the area pay for similar jobs; on that level they were good.

Porter responded that Notre Dame, as the largest area employer, actually sets the benchmark for salaries.

Professor James Collins asked the provost to comment on a senate survey from spring 1993 which indicated that some departments had experienced a delay in approval from the provost's office for the hiring of non-Catholics, compared with the time it took for approval to be given to the hiring of Catholics.

In response, O'Meara said that several years ago he had called for affirmative action in terms of at least trying to get a good pool of candidates, including Catholics, for faculty positions. The issue of Catholic identity has to be taken seriously by all faculty members. If the faculty abdicates responsibility in this, others will define it for Notre Dame. He has made this point time and again in

DOCUMENTATION

the various departmental meetings he has attended. As to Collins' remarks: When a candidate is put forward, the provost may ask where was the affirmative action? If no adequate response comes back, or if the matter is treated cavalierly, then delay may occur.

Collins followed up by asking if a department has described its efforts to hire a Catholic, but ultimately settles on a non-Catholic, will there still be a delay?

O'Meara would not anticipate any delay under these circumstances.

Detlefsen reminded the provost that the decline he mentioned occurred at the same time the provost and others were saying the quality of the faculty had experienced its greatest growth. He questioned the wisdom of proceeding fully with hiring only or predominantly Catholics.

The provost responded by saying he knew it was not good enough only to get people who are Catholic in name alone. He knew that many people who are not Catholic contribute mightily to the religious dimension and identity of Notre Dame. He believed too that, once hired, denominational affiliation per se should not enter into advancement. Saying Catholics should predominate indicates a wide range of attributes, so it should not be seen as a solitary thing. O'Meara repeated his belief that the expression "Catholics should predominate" has been well-qualified and posed no threat to the quality of the faculty.

Detlefsen disagreed, saying recommendation #1 says only one thing, and not all that the provost had indicated. He asked again about the growth in quality of the faculty occurring at the same time its Catholic percentage was declining.

O'Meara said the increase in faculty size, quality, salaries and percentage of Catholics occurred in the early 1980s. In the last five years of the decade, the decline in Catholics began to be seen. But he knew of no formula whereby one can be played off against another. Once again, the real point was the need for faculty responsibility and involvement on this issue. The faculty should take the issue of Catholic identity seriously. That was his message to the departments, and that is his message to the senate.

There being no further questions, the provost thanked the senate for its invitation, saying once again he had enjoyed the encounter. The senate responded with a long round of applause, the chair thanked him for his comments and called the meeting back into session.

OLD BUSINESS

Detlefsen asked about the journal for the meeting of September 27. Cashore replied that due to illness the journal has been delayed, and he will have it for the next meeting. Detlefsen asked if committees have to wait for the journal to be approved to act on a resolution. Parliamentary Eagan said committees can act upon passage of a motion and do not have to wait for the journal. Detlefsen asked Cashore to communicate with the appropriate committees about business done at that meeting.

NEW BUSINESS

Miscamble asked the chair to extend greetings to the senate's staff secretary Harriet Flowers after her recent surgery, which he will gladly do. Sporleder reported on the bikeways committee's progress to date; his report is appendix A of this journal.

Sheehan reported that Mark Jordan has resigned as a senator from the College of Arts and Letters; an election will take place to choose his replacement.

There being no further business, Borelli moved adjournment, Jordan seconded, and the senate concurred at 9:30 p.m.

Present: Affleck-Graves, Bender, Borelli, A., Borelli, M., Borkowski, Bradley, Brennecke, Brownstein, Cashore, Coll, Collins, Connolly, Detlefsen, Eagan, Esch, Goetz, Higgins, Jordan, S., Litzinger, Lombardo, McBrien, Miscamble, Parnell, Porter, Quinn, Ruccio, Sheehan, Sporleder, Vasta, Wei, Weithman, Yost, Sandra-Graduate Student Representative

Absent: Atassi, Bottei, Callahan, Garg, Hamburg, Hayes, Jenkins, Kantor, Lopez, Meyerson, Miller, Sauer, Serianni, Simon, Stevenson, Tomasch, Weinfield

Excused: Burrell, Conway, Moe

Respectfully submitted,

Peter J. Lombardo Jr.
Secretary

In accordance with standing senate policy, this journal has been edited in mutual agreement with our guest speaker.

DOCUMENTATION

Appendix A

Report: January 17, 1994

To: Faculty Senate Academic Affairs and Student Affairs Committees

From: Don Sporleder for the Bikeways Committee Group — HCC SMC NDU

Mission Statement and Objectives — draft 1/14/94 (1/19/94)

The mission of the bikeways committee: to encourage development of a network of bikeways/pedestrian ways that provide safe, attractive non-motorized transportation access, as well as usable greenway corridors that improve the quality of life and effectively interconnect the facilities of the Fathers, Sisters and Brothers of the Holy Cross, Saint Mary's College, Holy Cross College, the University of Notre Dame, and the Michiana Community.

Objectives:

1. Encourage development (and publishing) of a HCC SMC & NDU Community Bikeways Plan for safe non-motorized transportation and access alternatives for the community — faculty, staff, students, residents and visitors.
2. Encourage implementation of the Bikeways Plan which involves the efforts of the Community administrators, facility planning departments, faculty, students, residents, and all interested parties for effective coordinated carry through of the Plan (emphasis on safe access ways: Douglas Road, east and west; Juniper Road, north; Bulla Road, east; Dorr Road, west, and Notre Dame Avenue, south).
3. Encourage and support development of the old Michigan Central Railroad corridor as an important part of the Bikeways Plan and as a greenway link with the Michiana community.
4. Encourage development of funding priorities and interaction with South Bend, Clay Township, Mishawaka, St. Joseph County, Michiana Area Council of Governments, and the Indiana Department of Transportation for implementation of the plan.

The bikeways committee group met Wednesday, January 12, 1994, 4 p.m., @ Architecture Building.

Group discussed organization, purposes, and potential work plan.

Present: Ken Sauer, Student Affairs Committee, Faculty Senate; Kern Trembath, Assistant Chair, Theology, ND; Robert Ringel, AIA, Staff Architect, Facilities Engineering, ND; Peter Smith, Rep. Faculty Assembly, SMC; Don Sporleder, AIA, Vice Chair, Faculty Senate

Excused: Maurice Schwartz, Chemistry, ND; Rev. Richard Conyers, C.S.C., HCC

Next Meeting: Wednesday, February 9, 1994, 4 p.m., @ 100 Maintenance Center, ND

Agenda: Review goals and develop work program. Review ND planning work and studies underway.

Bikeways group welcomes your suggestions and participation.

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.

Errata: Corrections on entries in *Notre Dame Report* Issue No. 16 under Biological Sciences:

Müller, Ingrid

M.A. Stefani, I. Müller and J.A. Louis. 1994. Leishmania Major-Specific CD8⁺ T Cells are Inducers and Targets of Nitric Oxide Produced by Parasitized Macrophages. *European Journal of Immunology* 24(3):746-752.

S. deKossodo, G.E. Grau, J.A. Louis and I. Müller. 1994. Tumor Necrosis Factor Alpha (TNF- α) and TNF- β and their Receptors in Experimental Cutaneous Leishmaniasis. *Infection and Immunity* 62(4):1414-1420.

COLLEGE OF ARTS AND LETTERS

English

Costello, Donald P.

D.P. Costello. 1994. Sidney Lumet's Long Day's Journey into Night. *Literature/Film Quarterly* 22(2): 78-92.

Government and International Studies

Dowty, Alan K.

A.K. Dowty. 1994. Zwispältige Erfahrungen Mit Sanktionen-Das Beispiel Irak. *Europa Archiv* 49(11):315-324.

Theology

Ashley, J. Matthew

J.M. Ashley. 1994. Review of Olaf Pedersen, The Book of Nature. *Journal of Religion* 74(2):294.

Cunningham, Lawrence S.

L.S. Cunningham. 1994. On Teaching Theology As a Vocation. Pages 63-70 in, Rev. T. Hesburgh, CSC, ed., The Challenge and Promise of a Catholic University. University of Notre Dame Press, Notre Dame, Indiana.

L.S. Cunningham. 1994. Religious Booknotes: Legends for Their Times. *Commonweal* 121(05/20/94):40-42.

L.S. Cunningham. 1994. Religious Booknotes: The Bible & Its Companions. *Commonweal* 121(04/22/94):25-27.

L.S. Cunningham. 1994. Religious Booknotes: You Could Look It Up. *Commonweal* 121(06/03/94): 26-27.

L.S. Cunningham. 1994. Review of Van Dam's Saints and Their Miracles in late Antique Gaul. *Theological Studies* 55(March):147-148.

L.S. Cunningham. Some Notes on Summer Reading. *The Catholic World* 237(May/June):148-149.

L.S. Cunningham. 1994. Tattered Treasure of Assisi: Saint Francis of Assisi. *Christian History* 13(2):8-17.

L.S. Cunningham. 1994. Teaching Thomas Merton In Asia. *The Thomas Merton Seasonal* 19(Winter):12-14.

L.S. Cunningham. 1994. The Graceful Virtue. *Notre Dame Magazine* 23(Spring):75-77.

L.S. Cunningham. 1994. The Strange Stigmata. *Christian History* 13(2):36-37.

L.S. Cunningham. 1994. Una decada en la investigacion sobre los santos. *Selecciones de Teologia* 33(April-June):121-125.

L.S. Cunningham. What Holds the Catholic Church Together? *US Catholic* (May):12-17.

COLLEGE OF SCIENCE

Chemistry and Biochemistry

Castellino, Francis J.

W.T. Christiansen and F.J. Castellino. 1994. Properties of Recombinant Chimeric Human Protein C and Activated Protein C Containing the γ -Carboxyglutamic Acid and Trailing Helical Stack Domains of Protein C Replaced by Those of Human Coagulation Factor IX. *Biochemistry* 33:5901-5911.

Fehlner, Thomas P.

C.S. Jun and T.P. Fehlner. 1994. Which Metallaborane, B₂H₅FeCo(CO)₆ or B₂H₆Fe₂(CO)₆, Has the Higher Brønsted Acidity? *Organometallics* 13:2145-2146.

L.E. Crascall, B.H.S. Thimmappa, A.L. Rheingold, R. Ostrander and T.P. Fehlner. 1994. Synthesis of [AsPh₄][Fe₃(CO)₉(μ -CO)(μ -3-HBC1)] by Oxidative Chloride Substitution of [Fe₃(CO)₉(μ -3-HBCO)]²⁻. *Organometallics* 13:2153-2158.

Smith, Bradley D.

G.T. Morin, M.-F. Paugam, M.P. Hughes and B.D. Smith. 1994. Boronic Acids Mediate Glycoside Transport through a Liquid Organic Membrane via Reversible Formation of Trigonal Boronate Esters. *Journal of Organic Chemistry* 59:2724-2728.

Mathematics

Dwyer, William G.

W.G. Dwyer and C.W. Wilkerson. 1994. Homotopy Fixed-Point Methods for Lie Groups and Finite Loop Spaces. *Annals of Mathematics* 139:395-442.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Faybusovich, Leonid

L. Faybusovich. 1994. Rational Functions, Toda Flows and LR-like Algorithms. *Linear Algebra and its Applications* 203-204:359-381.

Hu, Bei

B. Hu and H.-M. Yin. 1994. Global Solutions and Quenching to a Class of Quasilinear Parabolic Equations. *Forum Mathematicum* 6:371-383.

Yin, Hong-Ming

See under Hu, Bei. 1994. *Forum Mathematicum* 6:371-383.

Physics

Livingston, A. Eugene

S. Khardi, M.C. Buchet-Poulizac, J.P. Buchet, M. Carre, A. Denis, J. Desesquelles, A.E. Livingston, S. Martin and Y. Ouerdane. 1994. Beam-foil Spectroscopy in the Extreme UV of Highly Ionized Silicon Si XI and the Isoelectronic Ions Al X, S XIII and Ar XV. *Physica Scripta* 49:571-577.

LoSecco, John M.

R. Becker-Szendy, J.M. LoSecco, et al. 1994. New Limits on Magnetic Monopole Flux From the IMB Proton Decay Detector. *Physical Review D* 49:2169-2173.

COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Mason, James J.

J.J. Mason, A.J. Rosakis and G. Ravichandran. 1994. On the Strain and Strain Rate Dependence of the Fraction of Plastic Work Converted to Heat; and Experimental Study using High Speed Infrared Detectors and the Kolky Bar. *Mechanics of Materials* 17:135.

J.J. Mason and A.J. Rosakis. 1993. On the Dependence of the Dynamic Crack Tip Temperature Fields Upon Crack Tip Velocity and Material Parameters. *Mechanics of Materials* 16:337.

J.J. Mason and A.J. Rosakis. 1993. The Effects of Hyperbolic Heat Conduction Around a Dynamically Propagating Crack Tip. *Mechanics of Materials* 15:263.

Paolucci, Samuel

S. Paolucci, S.A. Suslov and O.V. Vasilyev. 1994. Stability of Mixed Convection Flow in a Differentially Heated Vertical Channel with Large Temperature Differences. Pages 33-40 in, T.Y. Chu and T.S. Chen, eds., *Fundamentals of Mixed Convection 1994*. ASME, HTD - Volume 274, New York, New York.

Powers, Joseph M.

J.M. Powers. 1994. Oblique Detonations: Theory and Propulsion Applications. Pages 345-371 in, J. Buckmaster, et al., *Combustion in High-Speed Flows*. Kluwer Academic, The Netherlands.

Yang, Kwang-tzu

K.T. Yang, H.J. Huang and V.F. Nicolette. 1994. Field Model Simulation of Full-Scale Forced-Ventilation Room-Fire Test in the HDR Facility in Germany. *Heat Transfer in Fire and Combustion Systems* 272:13-20.

Chemical Engineering

Kantor, Jeffrey C.

See under Civil Engineering and Geological Sciences; Spencer, Billie F., Jr. 1994. Pages 1591-1598 in, *Proceedings of ICOSSAR '93 - The 6th International Conference on Structural Safety and Reliability*.

Strieder, William C.

Y. Xia and W. Strieder. 1994. Complementary Upper and Lower Truncated Sum, Multiple Scattering Bounds on the Effective Emissivity. *International Journal of Heat Mass Transfer* 37(3):443-450.

L. Zheng and W. Strieder. 1994. Knudsen Void Gas Heat Transport in Fibrous Media. *International Journal of Heat Mass Transfer* 37(10):1433-1440.

Y. Xia and W. Strieder. 1994. Variational Calculation of the Effective Emissivity for a Random Bed. *International Journal of Heat Mass Transfer* 37(3):451-460.

G. Cao, A. Varma and W. Strieder. 1993. Approximate Solutions for Nonlinear Gas-Solid Noncatalytic Reactions. *AIChE Journal* 39(5):913-917.

Varma, Arvind

R. Baratti, A. Gavriilidis, M. Morbidelli and A. Varma. 1994. Optimization of a Non-Isothermal Non-Adiabatic Fixed-Bed Reactor Using Dirac-type Silver Catalysts for Ethylene Epoxidation. *Chemical Engineering Science* 49(12):1925-1936.

Civil Engineering and Geological Sciences

Spencer, Billie F., Jr.

B.F. Spencer, Jr., M.K. Sain and J.C. Kantor. 1994. Reliability-Based Measures of Stability for Actively Controlled Structures. Pages 1591-1598 in, G.I. Schueller, M. Shinozuka and J.T.P. Yao, eds., *Structural Safety & Reliability*. Proceedings of ICOSSAR '93 - The 6th International Conference on Structural Safety and Reliability. Innsbruck, Austria.

B.F. Spencer, Jr., D.C. Kaspari, Jr. and M.K. Sain. 1994. Structural Control Design: A Reliability-Based Approach. Pages 1062-1066 in, *Proceedings of the 1994 American Control Conference*. Baltimore, Maryland.

Westerink, Joannes J.

J.J. Westerink, R.A. Luettich, J.K. Wu and R.L. Kolar. 1994. The Influence of Normal Flow Boundary Conditions on Spurious Modes in Finite Element Solutions to the Shallow Water Equations. *International Journal for Numerical Methods in Fluids* 18:1021-1060.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Electrical Engineering

- Michel, Anthony N.
K. Wang, A.N. Michel and D. Liu. 1994. Necessary and Sufficient Conditions for the Hurwitz and Schur Stability of Interval Matrices. *IEEE Transactions on Automatic Control* 39(6):1251-1255.
- K. Wang and A.N. Michel. 1994. Qualitative Analysis of Dynamical Systems Determined by Differential Inequalities with Applications to Robust Stability. *IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications* 41(5):377-386.
- A.N. Michel, K. Wang and H. Ye. 1994. Qualitative Limitations Encountered in the Implementation Process of Feedback Neural Networks: Delays, Parameter Perturbations, and Interconnection Constraints. Page 121 in, Proceedings of the Eighth Yale Workshop on Adaptive and Learning Systems. Yale University, New Haven, Connecticut.
- D. Liu and A.N. Michel. 1994. Sparsely Interconnected Neural Networks - Theory and Applications. Pages 32-39 in, Proceedings of the Second IEEE Mediterranean Symposium on New Directions in Control and Automation. Chania, Crete, Greece.
- A.N. Michel and K. Wang. 1994. Stability of Interconnected Systems: Results without Quasimonotonicity Conditions. Pages 1781-1785 in, Proceedings of the 1994 American Control Conference, Volume 2 of 3. Baltimore, Maryland.
- A.N. Michel, D. Liu and K. Wang. 1994. Stability and Stabilizability of a Class of Systems with State Saturation and Parameter Uncertainties. Pages 231-235 in, Proceedings of the 1994 American Control Conference, Volume 1 of 3. Baltimore, Maryland.
- Sain, Michael K.
See under Civil Engineering and Geological Sciences; Spencer, Billie F., Jr. 1994. Pages 1062-1066 in, Proceedings of the 1994 American Control Conference.
- See under Civil Engineering and Geological Sciences; Spencer, Billie F., Jr. 1994. Pages 1591-1598 in, Proceedings of ICOSSAR '93 - The 6th International Conference on Structural Safety and Reliability.

COLLEGE OF BUSINESS ADMINISTRATION

Accountancy

- Simon, Daniel T.
B.V. Balachandran and D. Simon. 1993. Audit Services and Fees of Large Accounting Firms. *Journal of Economics & Management Strategy* 2(3):339-348.

LAW SCHOOL

- Pearson, John H., CSC, Rev.
Rev. J.H. Pearson, CSC. 1994. The Law of Easements: Rights in the Property of Another. Pages 387-495 in, D.A. Thomas, ed., Thompson on Real Property, Volume 7, Chapter 60. The Michie Company, Charlottesville, Virginia.
- Phelps, Teresa G.
T.G. Phelps. 1994. The Margins of Maycomb: A Rereading of To Kill a Mockingbird. *Alabama Law Review* 45(2):511-530.
- Shaffer, Thomas L.
T.L. Shaffer. 1994. Growing Up Good in Maycomb. *Alabama Law Review* 45(2):531-561.
- T.L. Shaffer and R.F. Cochran, Jr. 1994. Lawyers, Clients and Moral Responsibility. West Publishing Company, St. Paul, Minnesota. 134 pp + index.
- T.L. Shaffer and R.F. Cochran, Jr. 1994. Teachers Manual to Accompany Lawyers, Clients and Moral Responsibility. West Publishing Company, St. Paul, Minnesota. 75 pp.

RADIATION LABORATORY

- Carmichael, Ian
I. Carmichael. 1994. Hyperfine Splitting in HOCO from ab Initio Calculation. *Journal of Physical Chemistry* 98(23):5896-5901.
- LaVerne, Jay A.
See under Pimblott, Simon M. 1994. *Journal of Physical Chemistry* 98(24):6136-6143.
- Pimblott, Simon M.
S.M. Pimblott and J.A. LaVerne. 1994. Diffusion-Kinetic Theories for LET Effects on the Radiolysis of Water. *Journal of Physical Chemistry* 98(24):6136-6143.

THE GRADUATE SCHOOL
OFFICE OF RESEARCH

Awards Received and Proposals Submitted

In the period June 1, 1994, through June 30, 1994

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	10	770,547	19	1,167,012	29	1,937,559
Facilities and Equipment	1	27,500	0	0	1	27,500
Instructional Programs	1	4,000	0	0	1	4,000
Service Programs	0	0	4	3,047	4	3,047
Other Programs	<u>2</u>	<u>698,753</u>	<u>4</u>	<u>291,213</u>	<u>6</u>	<u>989,966</u>
Total	14	1,500,800	27	1,461,272	41	2,962,072

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	2	461,000	17	5,441,341	19	5,902,341
Facilities and Equipment	0	0	1	129,539	1	129,539
Instructional Programs	0	0	2	721,302	2	721,302
Service Programs	0	0	0	0	0	0
Other Programs	<u>0</u>	<u>0</u>	<u>6</u>	<u>1,083,063</u>	<u>6</u>	<u>1,083,063</u>
Total	2	461,000	26	7,375,245	28	7,836,245

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received

In the period June 1, 1994, through June 30, 1994

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

Thomas, F., Nelson, R.
Experiments on the Flow Physics of High Lift Systems
NASA - Ames Research Center
\$56,734 12 months

Schmid, S.
Research Initiation and Gift-In-Kind Proposal to SME
Foundation
SME Education Foundation
\$42,820 12 months

Biological Sciences

O'Tousa, J.
Fellowship for Phani Kurada
Prevent Blindness
\$1,500 3 months
Genetic Analysis of Retinal Degeneration in *Drosophila*
National Institutes of Health
\$143,918 12 months

Adams, J.
Molecular Analysis of Apical Organelles of Plasmodium
National Institutes of Health
\$93,738 12 months

Civil Engineering and Geological Sciences

Neal, C.
REU Supplement for NSF Grant EAR-93-02471
National Science Foundation
\$3,500 30 months

Ketchum, L.
Indiana Pollution Prevention Institute
Purdue University
\$44,443 18 months

Gray, K.
Photocatalytic and Radiolytic Processes
National Science Foundation
\$62,500 54 months

Chemical Engineering

Varma, A.
Mechanistic Studies of Combustion Synthesis
National Science Foundation
\$21,240 48 months
Mechanistic Studies of Combustion Synthesis
National Science Foundation
\$75,000 48 months

REU Supplement
National Science Foundation
\$5,000 48 months
Leighton, D.
Shear-Induced Migration in Bidisperse Suspensions
Lockheed Company
\$17,846 12 months

Chemistry and Biochemistry

Bumpus, J., Irvine, R.
Regulation of Coal Degradation by Fungi
Department of Energy
\$199,998 36 months

Castellino, F.
Structure-Function Studies on Plasminogen and
Plasmin
National Institutes of Health
\$347,846 12 months

McKee, E.
Regulation of Mitochondrial Protein Synthesis
I.U. School of Medicine
\$132,000 36 months

Tannor, D.
Wavepacket Studies of Transition State Dynamics
National Science Foundation
\$96,000 12 months

Helquist, P.
Novel XLA's
Proctor & Gamble
\$47,734 14 months

Computer Science and Engineering

Brockman, J.
CAD Systems Technology and Design Methodology
Management
Mentor Graphics Corp.
\$21,500 12 months

Electrical Engineering

McGinn, P.
Y2BaCuO5 Segregation in YBa2Cu3O7-x
National Aero. Space Administration
\$47,245 12 months

Bernstein, G.
Presidential Faculty Fellows Program
National Science Foundation
\$100,000 42 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Educational Talent Search

Outlaw, W., Smith, R., et al.
Pre-Employment Orientation
Workforce Development Services
\$11,649 5 months

Government and International Studies

Mainwaring, S.
NAFSA Support for Graduate Student
NAFSA/Association of International Educators
\$9,964 12 months

University Libraries

Jordan, S.
Medieval Institute Microfilming Project
National Endowment for the Humanities
\$651,753 60 months

Academic Services for Student Athletes

Beauchamp, E., Marlowe, D.
NYSP-ND
NCAA
\$47,000 12 months

Upward Bound

Blake-Smith, D.
Student Leadership Council
Community Foundation of St. Joseph County
\$1,000 12 months

Proposals Submitted

In the period June 1, 1994, through June 30, 1994

PROPOSALS FOR RESEARCH

Anthropology

Sheridan, S., Schurr, M.
Nutrition and Stress in Ancient Nubia
National Science Foundation
\$107,533 18 months

Biological Sciences

McAbee, D.
Hepatic Metabolism of Lactoferrin
National Institutes of Health
\$273,277 12 months

Duman, J.
Structure/Function Studies of Dendroides Antifreeze Protein
Aspen Systems, Inc.
\$30,000 6 months

Johnson, A.
Mediation of Apoptosis During Avian Ovarian Follicle Atresia
National Science Foundation
\$269,253 36 months

Bridgham, S.
Climate Change on Boreal Peatlands: a Mesocosm Approach
National Science Foundation
\$766,077 34 months

Civil Engineering and Geological Sciences

Neal, C.
Biennial Grant for Research in Mineralogy and Petrology
Mineralogical Society of America
\$5,065 12 months

Westerink, J.
Enhancements of ADCIRC for Inlets
U.S. Army Corps of Engineers
\$483,493 60 months

Halfman, J.
Seasonal Sediment Dynamics at Lake Malawi (NYASA), Africa
National Geographic Society
\$35,368 22 months

Irvine, R., Varma, A.
Sequencing Batch Biofilm Reactor Engineering Using Fungi
Utah State University
\$1,337,597 60 months

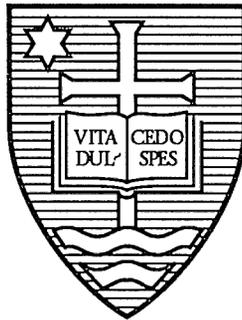
Chemistry and Biochemistry

Bumpus, J.
Metabolism of Organic Pollutants in Bioreactors
Utah State University
\$1,141,309 60 months

Miller, M.
Siderophores, Analogs and Bioconjugates: Synthesis and Study
National Institutes of Health
\$297,304 12 months

Helquist, P.
Synthesis of Streptogramins and Analogues
National Institutes of Health
\$163,696 12 months

Basu, S., Basu, M.
Biosynthesis of SA-Lex Glycolipid in Tumor Cells
National Institutes of Health
\$276,012 12 months



NOTRE DAME REPORT

Volume 23, Number 20

July 29, 1994

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, Office of the Provost. Second-class postage paid at Notre Dame, Indiana. *Postmaster:* Please send address corrections to: Records Clerk, Department of Human Resources, Security Building, University of Notre Dame, Notre Dame, IN 46556.

Linda M. Diltz, Editor
Marten Schalm, Designer
Willa Murphy, Gerard Jacobitz, Layout
Publications and Graphic Services
415 Main Building
Notre Dame, IN 46556
(219) 631-5337

© 1994 by the University of Notre Dame, Notre Dame, IN 46556. All rights reserved.
