### contents

### the university

167 Scholl Foundation Endows Economics Chair

167 ND Represented Among Executives

### faculty notes

168 Honors

168 Activities

171 Deaths

### documentation

172 Faculty Senate Journal

--September 11, 1985

--October 2, 1985

University Libraries Minutes
--October 3, 1985
--Appendix: Development Plan Task Force

Report Executive Summary

178 Addendum to NDR #4

179 Library Hours/Christmas Vacation

### advanced studies

180 Current Publications and Other Scholarly Works



# the university

### scholl foundation endows economics chair

The University will receive a \$1 million grant from the Dr. Scholl Foundation to endow a professorship in international economics.

The Dr. William M. Scholl Professorship in International Economics memorializes the well-known manufacturer of foot care products who died in 1968. Born June 22, 1882, one of thirteen children, William M. Scholl inherited leathercrafting skills both from his father, a carriage maker, and his grandfather, a cobbler. Enrolling at the age of 18 in Illinois Medical College, now Loyola University, Scholl received his M.D. degree in 1904. The same year, he started the foot care business which rapidly became the unchallenged leader in its field. In 1947, he established a private charitable foundation, leaving it the bulk of his estate on his death March 29, 1968.

The Dr. William M. Scholl Chair in International Economics brings to 63 the number of endowed chairs established at the University.

## nd represented among executives

More leading business executives took their undergraduate degrees at Notre Dame than at any other Catholic college or university, according to a survey by the Financial & Economic Information Company of New York City.

The study was based on Poor's Register, which contains data on some 70,000 presidents, vice presidents and directors of more than 40,000 U.S. corporations.

When compared to other private universities, Notre Dame's 641 undergraduate alumni in the survey ranked the University 7th in the nation, and when compared to all American institutions of higher learning, Notre Dame's ranking is 20th. When the survey was done three years ago, Notre Dame was first among Catholic institutions, 11th among private universities and 23rd among all U.S. colleges and universities.

Vol. 15, No. 7

December 6, 1985

Notre Dame Report (USPS 7070-8000) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Department of Public Relations and Information. Second-class postage paid at Notre Dame, Ind. Postmaster: Please send address corrections to: Editor, Notre Dame Report, c/o Rm. 212, Administration Building, Notre Dame, IN 46556

© 1985 by the University of Notre Dame, Ind. 46556. All rights reserved.

# faculty notes

### honors

Daniel J. Costello, professor of electrical engineering, has been elected president of the Board of Governors of the IEEE Information Theory Society for the year 1986. He has also been named co-chairman of the 1988 IEEE International Symposium on Information Theory, to be held in Osaka, Japan.

John D. Dow, Freimann professor of physics, has been elected to the International Advisory Committee of the Second International Conference on Superlattices, Microstructures, and Microdevices, to be held at Chalmers University of Technology, Goteborg, Sweden, in August 1986.

Patrick Horsbrugh, professor emeritus of architecture, has been reappointed to the Committee on Regional Development and Natural Resources of the American Institute of Architects. He was also named chairman of a subcommittee on Littoral and Off-Shore Areas, to report on thalaspacial planning and thalatactural design to the Regional Development and Natural Resources Committee. In addition, he has been appointed by the president of the American Society of Landscape Architects to represent the Society on a coalition including the American Water Resource Association, the National Water Alliance and the American Society of Public Administration, who wish to revive and develop a unified national water policy.

Robert L. Irvine, professor of civil engineering, was elected second vice chairman, Environmental Division, for the American Institute of Chemical Engineers in October.

### activities

Raymond M. Brach, associate professor of aerospace and mechanical engineering, presented an invited lecture titled "Mathematical Models of Vehicle Collisions" to the Whirlpool Chapter of Sigma Xi in Benton Harbor, Mich., Nov. 14.

Peter S. Breslauer, assistant professor of music, delivered a paper on "Diminutional Rhythm and Motive in the Music of Bach and Brahms" at the annual meeting of the Society for Music Theory, Vancouver, British Columbia, Nov. 9.

David B. Burrell, C.S.C., professor of philosophy and theology, participated in a Colloquium on Mysticism and Philosophy at Dumbarton Oaks Nov. 10-12. His contribution was titled "The Unknowability of God in al-Ghazali."

Stephen R. Carpenter, associate professor of biological sciences, presented a colloquium titled "Cascading Trophic Interactions and Lake Ecosystem Productivity" at Earlham College, Richmond, Ind., Nov. 5.

Adela Yarbro Collins, professor of theology, gave a response to a paper titled "Interpreting Mark's Story of Jesus' Death" by David Lull in Session One of a seminar on Early Christian Apocalypticism at the annual meeting of the Society of Biblical Literature, and presided over Session Two of that seminar. She also was a panelist for a discussion of "Feminist Interpretation of the Bible," ed. Letty Russell, at the annual meeting of the American Academy of Religion. The annual meetings of both societies were held jointly in Anaheim, Calif., Nov. 23-26.

Theodore J. Crovello, professor of biological sciences, gave a panel paper titled "The Gap Between Educational Computing and Artificial Intelligence" at the Association of Computing Machinery in Denver, Colo., Oct. 14. Dr. Crovello also presented a seminar at the University of Colorado in Boulder Oct. 17 titled "Quantitative Systematics and Biogeography."

Maura Aiken Daly, assistant professor of modern and classical languages, has been awarded an international travel grant to address the January 1986 meeting of the Association Pour L'Etude de la Pensee de Simone Weil in Paris, France.

Robert T. Devlin, assistant faculty fellow in the Kellogg Institute, gave a presentation titled "An Evaluation of the Management of Latin America's Debt Crisis" at a meeting of the Working Group on Economic Issues of the Inter-American Dialogue, held at the Kellogg Institute Sept. 27. He also presented "Management of the Debt Crisis" at a panel sponsored by the Ibero-American Studies Program of the department of political science at the University of Wisconsin, Madison, Nov. 11.

James P. Dougherty, professor of English, presented "Geometries of Perfection: Atlantis and Utopia" at a meeting of the Midwest Modern Language Association, St. Louis, Mo., Nov. 9. As editor of Notre Dame's journal Religion and Literature, he spoke in a panel on "Publishing a Literature of Belief" at a symposium on Literature and Religious Belief at Brigham Young University, Provo, Utah, Nov. 12-13.

John D. Dow, Freimann professor of physics, gave the following invited talks: "Unified Theory of Barrier Formation at Metal/Semiconductor Contacts" at a joint meeting of the American Vacuum Society and the Electromechanical Society, Argonne National Laboratory, Argonne, Ill., Oct. 4; and "Schottky Barriers" at the Ford Research Laboratories, Dearborn, Mich., Oct. 9.

James C. Dunkerley, faculty fellow in the Kellogg Institute, gave a seminar on "Approaches to the Central American Crisis" at the Center for International Studies, Duke University, Durham, N.C., Oct. 28; lectured on "Political Blocs in El Salvador" for the Latin American Studies Program at Duke, Oct. 29, and gave a presentation on "The Crisis in Bolivia" to U.S. Representatives and their aides in Washington, D.C., Nov. 1.

<u>Patrick F. Dunn</u>, associate professor of aerospace and mechanical engineering, presented an invited lecture titled "Aerosol Sampling During In-Pile Reactor Experiments: Theory and Application" to Ontario Hydro in Toronto, Canada, Nov. 7.

Thomas W. Ebbesen, assistant professional specialist in the Radiation Lab, gave an invited talk titled "Properties of Radical Pairs" for the Department of Nuclear Engineering, University of Tokyo, Japan, Nov. 12.

A book by <u>Josephine Massyngberde Ford</u>, professor of theology, <u>titled "Pastoral Introduction</u> to the New Testament," has been accepted for publication by Michael Glazier and Co.; her "Peace Liturgy" has been accepted by Celebration.

Umesh Garg, assistant professor of physics, was a visiting scientist at the Bhabha Atomic Research Center, Bombay, India, during June and July, where he gave several talks; he also lectured at the Tata Institute of Fundamental Research, Bombay and the Indian Institute of Technology, Kanpur. His topics were "The Notre Dame/Argonne BGO Detector System" and "Giant Resonances from Heavy-Ion Inelastic Scattering." He also presented an invited colloquium on the Notre Dame/Argonne BGO detector system at the Cyclotron Institute, Texas A&M University, College Station, Tex., Oct. 25.

John F. Gaski, assistant professor of marketing, presented a paper, "The Inverse Power - Power Source Relationship: A Note on the Misoperationalization of Power" at the annual meeting of the American Institute for Decision Sciences, Las Vegas, Nev., Nov. 11-13.

Paul R. Grimstad, assistant professor of biological sciences, presented a seminar titled "The Epidemiology and Ecology of Jamestown Canyon Virus in the Midwest: Emergence of a New Mosquito-Borne Human Disease" to the department of biology at Loyola University of Chicago Oct. 3. He also presented a paper titled "Jamestown Canyon Virus --An Emerging North American Problem" at the joint meeting of the Ohio Mosquito Control Association and Indiana Vector Control Association in Cincinnati, Ohio, Oct. 21-22, and chaired the Arbovirus Panel during that joint meeting. He presented a paper titled "Virus-Vector-Host Relationships in the Natural Cycle of Jamestown Canyon Virus" at the annual meeting of the American Society of Tropical Medicine and Hygiene, held in Miami, Fla., Nov. 3-7.

Linda Lucas Hudgins, assistant professor of economics, presented an invited paper titled "Fishery Expansion in the Western Pacific 1975-1982: An International Perspective" at the second International Conference on U.S.-Asia Economic Relations, held in New York City Sept. 30-Oct. 2. She also presented an invited paper titled "Resources Management in Progress: The Baja California Mexico Case" at the International Conference on Man's Impact on the Global Environment in Venice, Italy.

Robert L. Irvine, professor of civil engineering, served as session chairperson for the annual meeting of the American Institute of Chemical Engineers held in Chicago in November. He was coauthor (with M.S. Devarakonda) of a paper titled "Updated Model for Biological Phosphorus Removal," which was presented by Dr. Devarakonda at the meeting.

Jeffrey C. Kantor, assistant professor of chemical engineering, participated in organizing a panel for a teleconference titled "Increasing the Return on Data, Cost Effective Techniques for the Lab and Plant," and presented a talk titled "Process Control and the Effective Use of Date." The teleconference was broadcast Nov. 5 and 6 to the Exxon Research and Engineering Company from the Center for Continuing Education. He also presented a paper titled "Application of Global Controllability Results to Control Design for Nonlinear Chemical Systems" (coauthored by K.A. Hoo) at the 1985 annual meeting of the American Institute of Chemical Engineers in Chicago Nov. 14.

<u>David J. Kirkner</u>, associate professor of civil engineering, chaired a session titled "Transport of Chemicals in the Groundwater and Porous Media" at the annual meeting of the American Institute of Chemical Engineers in Chicago Nov. 11.

Douglas W. Kmiec, director of the White Center on Law and Government and professor of law, gave an invited lecture titled "The Cash Nexus: The Conflict Between Markets and Morals" for the Liberty Fund, Indianapolis, Ind., in October. He also gave invited presentations titled "Can Federalism Survive Garcia?" for the U.S. Advisory Commission on Intergovernmental Relations, Chicago, and "A Re-examination of Fair Housing Enforcement" for the U.S. Civil Rights Commission, Washington, D.C., both in November.

Janet A. Kourany, adjunct associate professor of philosophy, presented a paper titled "The Feminist Critique of Science" at the Midwest Conference of the Society for Women in Philosophy at Southern Illinois University at Carbondale, Oct. 11-13.

Charles F. Kulpa, associate professor of biological sciences, was an invited speaker at a Symposium on Biotechnology and Pollution Control at the American Institute of Chemical Engineers meeting in Chicago, Ill., Nov. 12. The title of his presentation was "Applications of Microbiology and Genetics in Biotechnology and Pollution Control."

<u>Craig S. Lent</u>, postdoctoral research associate in physics, gave an invited talk on "Deep Levels in  ${\rm Al_XGa}$   $_{1-{\rm X}}$  N Photodetectors" at the 33rd Midwest Solid State Physics Conference, held at the University of Missouri-Kansas City, Nov. 8-9.

Scott P. Mainwaring, assistant professor of government and international studies and assistant faculty fellow in the Kellogg Institute, gave a presentation on "Democracy in Brazil" at a workshop on Democracy in Latin America, held at the University of Wisconsin, Madison, Nov. 18.

Rev. Roland E. Murphy, O. Carm., visiting O'Brien professor of theology, presented "Reflections on Metaphors in the Song of Songs," a response given at the annual meeting of the Society of Biblical Literature in Anaheim, Calif., Nov. 25.

William A. O'Rourke, assistant professor of English, presented a paper, "Morphological Metaphors for the Short Story: Matters of Production, Reproduction and Consumption," for a panel devoted to Short Story Theory at the 17th annual meeting of the Midwest Modern Language Association in St. Louis, Mo., Nov. 9.

Luis H. Pasara, visiting faculty fellow in the Kellogg Institute, gave a lecture on "Peru's Apra: New President & Old Party" at the University of Illinois, Urbana, Oct. 25. He also presented "Implementing the Garcia Program" at the conference, "A New Look at Peru," at the University of Southern California, Los Angeles, Nov. 2, and "Consolidating the Fragile Peruvian Democracy" at the Conference on Democratization in Latin America at the University of Wisconsin, Madison, Nov. 18.

Larry K. Patterson, faculty fellow in the Radiation Laboratory, gave a seminar titled "Photophysical Behavior of Chlorophyll at the Air-Water Interface" at The Royal Institution, London, England, Nov. 15.

Teresa Godwin Phelps, assistant professor of law, presented a paper, "The Aging of Huckleberry Finn: The Transformed Criminal in American Fiction" at the annual meeting of the American Society of Criminologists in San Diego, Calif., Nov. 16.

Kenneth M. Sayre, professor of philosophy, addressed the philosophy department of St. Olaf College, Northfield, Minn., on the topic "Philosophy in Contemporary Oxford," and delivered a paper, "What Plato can Contribute to Environmental Ethics" at a Wheaton (Ill.) College conference on "Applied Ethics: Doing Justice" in October.

Roger A. Schmitz, McCloskey dean of engineering and professor of chemical engineering, is coauthor of a paper titled "Experimentally Observed Chaos During the Oxidation of Carbon Monoxide on Polycrystalline Platinum," presented by postdoctoral student Luis F. Razon at the annual AIChE meeting in Chicago Nov. 10-15.

<u>David L. Snyder</u>, assistant professional specialist in the Lobund Laboratory, presented a seminar, "Developing an Animal Model for Aging Studies," at a Symposium on the Scientific Study of Aging presented by the Committee on Science and Society of the Indiana Academy of Science, held at Indiana University, Bloomington, Nov. 16.

James P. Sterba, professor of philosophy, lectured on "The Ethics of Nuclear Strategy" and "How to Make People Just in Today's World" at Ohio Northern University, Ada, Nov. 4-5.

William Strieder, professor of chemical engineering, coauthored a paper titled "Approximate Solutions of Non Linear-Boundary Value Problems," presented at the AIChE 1985 annual meeting in Chicago Nov. 10-15. He also co-chaired the session, "Transport of Chemicals in Groundwater and Porous Media."

<u>Dolores W. Tantoco</u>, librarian, was a group discussant on "Project ESSCAPE -- Expert Systems for Simple Choice of Access Points for Entries" at the 51st International Federation of Library Associations Council and General Conference, held in Chicago, Ill., Aug. 19-24.

Anthony M. Trozzolo, Huisking professor of chemistry, presented a plenary lecture titled "Solid State Photochemistry" at the Beijing International Conference on Photochemistry, People's Republic of China, Oct. 21-24. He also served as session chairman and member of the International Advisory Committee for the conference. He served as co-chairman for the U.S.-China Binational Conference on Photochemistry, Academia Sinica, Beijing, Oct. 24-26, and presented lectures titled "Photochemistry of Three-membered Heterocycles" and "Excited-State Reactions of Laser Dyes" at the Institute of Chemical Physics, Dalien, China, Oct. 29, and the Shanghai Institute of Organic Chemistry, Oct. 31, respectively.

Chris Vanden Bossche, assistant professor of English, gave a paper, "Polyphony and Property in Ivanhoe," at the annual meeting of the Midwest Modern Language Association, St. Louis, Mo., Nov. 9.

<u>Peter Walshe</u>, professor of government and international studies and in the Kellogg Institute, gave the following presentations recently: "The Arms Race and the Third World" for the Methodists Federation for Social Action, Chicago, Sept. 27; "South Africa: The Current Crisis" for the Clergy Association of St. Joseph County, Ind., Moreau Seminary, Oct. 17, and "South Africa: Race, Politics and Religion" in Indianapolis for both the Beth-El Zedeck Fall Lecture Series on Nov. 20 and the Indiana Interreligious Commission on Human Equality, Nov. 26.

Rev. Joseph L. Walter, C.S.C., chairman of the department of Preprofessional Studies and associate professor of chemistry, spoke at the 25th anniversary banquet of Alpha Epsilon Delta, honorary premedical society, at Hope College in Holland, Mich., Nov. 19. His topic was "Truth I Pursue."

<u>F. Ellen Weaver</u>, associate professional specialist and concurrent assistant professor of theology, presented "Manuals of Prayer for the Laity -- Early Modern France" at the annual meeting of the American Academy of Religion, Anaheim, Calif., Nov. 24.

John A. Weber, associate professor of marketing, presented a paper titled "Pedagogical Guidelines for a Course in Marketing Planning with the Personal Computer" at the American Marketing Association's Conference on Microcomputers in Marketing at Virginia Polytechnic Institute, Blacksburg, Va., Oct. 10.

Rev. Oliver F. Williams, C.S.C., assistant professor of management, was interviewed on WNDU-TV's "Campus View" program on "The Ethics of Investments in South Africa" Nov. 3.

Robert W. Williamson, professor of accountancy, gave a presentation titled "Computer Application Techniques in the Business Classroom" at the Computer Pedagogy Workshop hosted by the College of Business Administration of Bowling Green (Ohio) State University, Oct. 12.

Erhard Winkler, professor of earth sciences, is serving as a member of the structural advisory committee formed to assess the condition of the Vietnam Veterans Memorial in Washington, D.C. The committee met in Washington Nov. 9 to determine the cause of small cracks that have appeared in the monuments' black granite panels, and declared the memorial structurally sound.

Eduardo E. Wolf, professor of chemical engineering, presented a paper titled "FTIR and Catalyst Characterization Studies of the CO-NO reaction on Pt/W03-Si02 Catalysts," and chaired a session on "Fundamentals of Catalysis" at the AIChE National Meeting in Chicago in November.

Zbigniew Zagorski, associate professional specialist in the Radiation Laboratory, gave an invited paper titled "Pulse Radiolysis of Solid Hydrates" at the Center for Radiation Research, National Bureau of Standards, Washington, D.C., Nov. 21.

### deaths

Milton Burton, internationally recognized as the "Godfather of Radiation Chemistry" and for 25 years director of the Radiation Laboratory at the University, Nov. 18.

## documentation

## faculty senate journal september 11, 1985

Prof. John Yoder called the meeting to order at 7:30 p.m. in Room 202 of the Center for Continuing Education and offered the opening prayer. Members were invited to identify themselves. Prof. John Croteau raised a question whether he could legitimately serve as emeritus representative. The Chair agreed to clarify the issue.

The Chair pointed out that the minutes were in circulation in  $\underline{\text{Notre Dame Report}}$  No. 1 but not in time for approval.

Yoder reminded members that President Theodore Hesburgh would be present at the next meeting. The purpose would be to allow members to express concerns. Prof. Donald Barrett requested a summary of recommendations re faculty development made last year. Prof. Paul Conway proposed that the relevant committee should formulate questions to be put to the President.

Prof. Francis Connolly then reported from the Faculty Affairs Committee. It was suggested that the compensation report might appear every two years rather than annually. He proposed emphasis in the current year on fringe and retirement benefits. He also reported on the proposal to scout for potential faculty in Catholic graduate institutions. Profs. Katharina Blackstead and Teresa Ghilarducci raised the question whether this was consistent with the goal of affirmative action and Prof. Leo Despres objected that the senate should not trespass on the business of departments. Connolly pointed out that the object was to enlarge the pool of Catholic applicants rather than simply increase the ranks of Catholic faculty.

Further to the matter of the compensation report: Prof. Salvatore Bella suggested that a 'spread' would be more useful than averages. Barrett pointed out that the administration did not believe it wise to supply this information. He also raised the issue of who is subsumed under "faculty" for the purpose of official data on compensation? It was pointed out that, in any case, the senate committee draws on AAUP reports for its information.

Connolly, finally, put forward the proposal that departing faculty might be interviewed by members of the committee to solicit their views on the University.

Dr. Sandra Harmatiuk then reported from the Student Affairs Committee. The McKim report on financial aid had gone to the Board of Trustees but had not been acted on. The question of academic advising after the Freshman Year, which each college is mandated to study, must be dealt with soon if it is to go before the Academic Council. Prof. Robert Vacca recalled the Provost's proposal to triple the fund for student aid.

Prof. Thomas Kosel then reported from the Administration Affairs Committee, beginning with a reading of the Bylaws re the relation of faculty to administration. Last year's report on faculty development will be brought before the Academic Council and it could be presented to the Board of Trustees in the form of a report. The report on Junior Faculty should also be monitored this year. Other suggestions for Senate action were: Credit Union policies, especially the three-week hold on checks; the effectiveness of the Approval Plan for University libraries; determination of topics for faculty fora.

One such topic could be on the University's investments in South Africa, currently under discussion in a student committee. Kosel enumerated some of the implications of disinvestment and the Chair noted that others have raised the more general issue of the right to know and the appropriate kind of involvement for the Senate. Despres proposed the formation of a subcommittee to report on the issue and Conway suggested that Rev. Richard Zang, C.S.C., be invited to address the Senate. Capt. John Rohrbough proposed a motion, seconded by Prof. Jean Pec, that the Chairman be authorized to solicit volunteers with interest in the issue to form an ad hoc committee which would report to the senate at a time determined by the Chairman. The motion was passed unanimously.

Vacca then raised the question whether the Senate should concern itself with the succession to the presidency of the University. Conway recalled an earlier Senate recommendation that the best qualified person be appointed irrespective of membership in the Congregation of Holy Cross, one which the trustees turned down as premature. Bella raised the question of a search committee and the desirability that the faculty be consulted.

The Chair then proceeded to solicit volunteers for the different senate committees and made an unsuccessful attempt to appoint a stand-in for the secretary.

Rohrbough, finally, reported the request of the admissions officer, Mr. Kevin Rooney, that the senate sponsor a meeting between himself and the faculty parents of high school juniors and seniors. Despres and Prof. Jay Dolan objected that it was not senate business to issue such invitations, but Barrett pointed out the advantage of senate involvement in this important issue. Since Rooney wished to hold the meeting before Thanksgiving, the Chair proposed that he be invited to discuss the matter at the November meeting.

There being no further business, the meeting was adjourned at 9:15 p.m.

Absent but not excused: Gerald Arnold, physics; David Dodge, sociology; Philip Gleason, history; David Kirkner, civil engineering; Matthew C. Miceli, C.S.C., theology; Teresa Phelps, law.

Absent and excused: Mario Borelli, mathematics; David Burrell, C.S.C., theology; Gilburt Loescher, government and international studies.

Respectfully submitted,

Joseph Blenkinsopp Secretary

## faculty senate journal october 2, 1985

Prof. John Yoder called the meeting to order at 7:32 p.m. and recited the Lord's Prayer according to the Jerusalem Bible translation. After circulating lists for volunteers for the various standing committees, Dr. Dian Murray was elected to the position of cosecretary without a vote. The chair then introduced Rev. Theodore M. Hesburgh, C.S.C., who invited questions from members.

Dr. Sandra Harmatiuk asked how the alcohol policy was working after its first year in operation. Fr. Hesburgh noted that we have a responsibility to educate students, many of whom come to us with bad habits in this area. He believed that it has improved the social atmosphere on campus and has been adopted by other institutions.

- II. The University Libraries will identify new University programs and research emphases and will seek funding to support these areas at a level based on a systematic need analysis.
- III. The University Libraries will evaluate and strengthen their most noteworthy collections so that these collections will truly be resources for the scholarly community in North America.
- IV. The University Libraries will cooperate with other campus units to ensure that faculty and students have access to materials and information sources necessary to their academic work in the variety of formats that technology has made possible.
- V. The University Libraries will expand their preservation efforts into a multi-faceted, adequately funded program which meets the Association of Research Libraries minimum standards.
- VI. The University Libraries will provide appropriate bibliographic access to all materials which they own so that these materials may be used when needed by Notre Dame students and faculty, as well as by the larger community of scholars.
- ${\tt VII.}$  The University Libraries will insure that its traditional services meet the research needs of the University community.
- VIII. The University Libraries will take full advantage of development in the field of electronic information handling, adapting to its needs all appropriate systems.
- IX. The University Libraries will maintain a knowledgeable staff through programs of continuing education and development.
- X. The University Libraries will support their commitment to excellence by maintaining a staff of appropriate quality and size, by ensuring a system of continuing review and recognition, and by examining and redesigning staff positions in order to best respond to changing priorities and opportunities.
- XI. The University Libraries will provide space consonant with its aspirations for its collections and services.

By adopting these goals as a plan of action, the University Libraries commit themselves to maintaining traditional strengths in collections and services while making new departures in response to new demands and exciting opportunities. The costs of achieving the goals will be high, but unavoidable, if the University of Notre Dame is to have the outstanding research library its aspirations require.

### addendum to ndr #4

Editor's Note: The following changes have been made in the Faculty Senate roster since its publication on page 83 of NDR #4:

Delete: Teresa Godwin Phelps, Assistant Professor of Law

Term Expires

Add: John Attanasio, Associate Professor of Law

William D. McGlinn, Professor of Physics (ex officio)

1988 1986

### library hours/christmas vacation

<u>Date</u>	Memorial Libr Building	ary Public Services	Science & Engineering Libraries
Fri., Dec. 20 Sat., Dec. 21 Sun., Dec. 22 Mon., Dec. 23 Tue., Dec. 24 and	8 a.m10 p.m. 9 a.m 5 p.m. 12 p.m5 p.m. 8 a.m 5 p.m.	8 a.m5 p.m. 10 a.m 4 p.m.* Closed 10 a.m4 p.m.*	8 a.m5 p.m. Closed Closed 10 a.m4 p.m.**
Wed., Dec. 25 Thu., Dec. 26	Closed 8 a.m 5 p.m.	Closed Closed	Closed Closed
Fri., Dec. 27 Sat., Dec. 28 Sun., Dec. 29	8 a.m 5 p.m. 8 a.m 5 p.m. 12 p.m 5 p.m.	10 a.m4 p.m.* 10 a.m4 p.m.* Closed	10 a.m4 p.m.** Closed Closed
Mon., Dec. 30 Tue., Dec. 31 and Wed., Jan. 1	8 a.m 5 p.m. Closed	10 a.m 4 p.m.*	10 a.m4 p.m.** Closed
Thu., Jan. 2 and Fri., Jan. 3 Sat., Jan. 4	8 a.m10 p.m. 9 a.m10 p.m.	8 a.m5 p.m. 9 a.m5 p.m.*	8 a.m5 p.m. Closed
Sun., Jan. 5 Mon., Jan. 6 through Fri., Jan. 10	1 p.m10 p.m. 8 a.m10 p.m.	Closed 8 a.m5 p.m.	Closed 8 a.m5 p.m.
Sat., Jan. 11 Sun., Jan. 12 Mon., Jan. 13 and	9 a.m10 p.m. 1 p.m10 p.m.	9 a.m5 p.m.* Closed	Closed Closed
Tue., Jan. 14 Wed., Jan. 15	8 a.m10 p.m. Return to regular		8 a.m5 p.m.

<sup>\*</sup> The following public service areas will be closed: Audio Learning Center, International Documentation Center, Medieval Institute Library, Rare Book Room, and Reserve Book Room.

<sup>\*\*</sup> The Architecture Library will be closed.

# advanced studies

## current publications and other scholarly works

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

### COLLEGE OF ARTS AND LETTERS

### Economics

Worland, Stephen T.
S.T. Worland. 1985. Review of M. Novak's,
Freedom with Justice. America August 10:
70-73.

### English

Gernes, Sonia G.
S.G. Gernes. 1985. Eine Kleine Nachtmusik.
Loblolly 1:14.
O'Rourke, William A.
W.A. O'Rourke. 1985. Review of H.
Nissenson's, Tree of Life. Book World
October 27:37-38.

### Government and International Studies

Leege, David C.
D.C. Leege. 1985. Catholic Parishes in the 1980s. Church 1(2):17-29.
D.C. Leege. 1985. The Notre Dame Study of Catholic Parish Life. New Catholic World 228(1368):244-257.

#### History

Szczesniak, Boleslaw B.
B.B. Szczesniak. 1985. Additional Notes on the Variants of the Spelling of M.
Boym's Name: New Materials. Oriential Annual 44:39-42.

### Philosophy

Simon, Lawrence H.
L.H. Simon. 1984. Review of S. Hampshire's,
Morality and Conflict. New Vico Studies
2:131-134.
Weigert, Andrew J.
A.J. Weigert. 1985. Hebrew Translation of
The Sociology of Everyday Life. Oram
Publications, Tel Aviv, Israel. 322
pp.

#### Theology

Bradshaw, Paul F.
P.F. Bradshaw. 1985. Gottesdienst.
Theologische Realenzyklopädie 14:39-42,
51-54.
Collins, Adela Y.
A.Y. Collins. 1985. Insiders and Outsiders in the Book of Revelation and Its Social Context. Pages 187-218 in, J. Neusner and E. Frerichs, eds., To See Ourselves as Others See Us: Christians, Jews,
"Others" in Late Antiquity. Studies in the Humanities. Scholars Press, Atlanta,
Georgia.
Collins, John J.

Collins, John J.
J.J. Collins. 1985. A Symbol of Otherness:
Circumcision and Salvation in the First
Century. Pages 163-186 in, J. Neusner
and E. Frerichs, eds., To See Ourselves
as Others See Us: Christians, Jews,
"Others" in Late Antiquity. Scholars
Press, Atlanta, Georgia.

Murphy, O. Carm., Roland E. R.E. Murphy, O. Carm. 1985. Reflections on the History of the Exposition of Scripture. Pages 489-499 in, N. Minnich, et. al., eds., Studies in Catholic History in Honor of John Tracy Ellis. Michael Glazier, Wilmington, Delaware.

### COLLEGE OF SCIENCE

### Chemistry

Fehlner, Thomas P. J.C. Vites, G. Jacobsen, T.K. Dutta and T.P. Fehlner. 1985. Protons on a Cluster Surface. Reversible Generation of Agostic (C-H-M) Hydrogens from Iron Hydrides (Fe-H-Fe) on a Saturated Triiron Cluster. Journal of the American Chemical Society 107(19):5563-5565.

Fessenden, Richard W. \*See under RADIATION LABORATORY; Das, Paritosh K. 1985. Journal of Physical Chemistry 89(2):4164-4166.

George, Manapurathu V. \*See under RADIATION LABORATORY; Das, Paritosh K. 1985. Journal of Physical Chemistry 89(20):4164-4166.

Kozak, John J.
P.A. Politowicz, J.J. Kozak and G.H. Weiss.
1985. Random Walks on Finite High-Dimensional Cubic Lattices With a Single Trap.

Chemical Physics Letters 120(4,5):388-392.

Mozumder, Asokendu \*See under RADIATION LABORATORY; LaVerne, Jay A. 1985. Journal of Physical Chemistry 86(2):4219-4225.

Vites, Jose C.

See under Fehlner, Thomas P. 1985. Journal of the American Chemical Society 107(19):5563-5565.

\*Under the Radiation Laboratory 

### Mathematics

Nadel, Mark E.

M.E. Nadel. 1985.  $L\omega_1\omega$  and Admissable Fragments. Chapter 8, pages 272-315 in, J. Barwise and S. Feferman, eds., Model-Theortic Logics. Springer-Verlag, New York.

#### Physics

Cushing, James T.

J.T. Cushing. 1985. Review of L. Laudan's, Science and Values. American Journal of Physics 53:1119-1120.

### COLLEGE OF ENGINEERING

### Aerospace and Mechanical Engineering

Nicolette, Verna F. See under Yang, Kwang-tzu. 1985. International Journal of Heat and Mass Transfer 28(9):1721-1732.

Yang, Kwang-tzu V.F. Nicolette, K.T. Yang and J.R. Lloyd. 1985. Transient Cooling by Natural Convection in a Two-Dimensional Square Enclosure. International Journal of Heat and Mass Transfer 28(9):1721-1732.

### Civil Engineering

Irvine, Robert L. R.L. Irvine, L.H. Ketchum, Jr., M.L. Arora and E.F. Barth. 1985. An Organic Loading Study of Full-Scale Sequencing Batch Reactors. Journal of Water Pollution Control Federation 57:847.
S.C. Chiesa, R.L. Irvine and J.F. Manning,

Jr. 1985. Feast/Famine Growth Environments and Activated Sludge Population Selection. Biotechnology and Bioengineer-

ing 27:562.

S.C. Chiesa and R.L. Irvine. 1985. Growth and Control of Filamentous Microbes in Activated Sludge: An Integrated Hypothesis. Water Research 19:471.
Ketchum, Jr., Lloyd H.
See under Irvine, Robert L. 1985. Journal

Water Pollution Control Federation 57:

Spencer, Jr., Billie F.

B.F. Spencer, Jr., L.A. Bergman and J.C. Heinrich. 1985. The First Passage Problem in Random Vibration for Memoryless Nonlinear Oscillators. Revista Inter-nacional de Mé todos Numéricos para Cálculo y Diseño en Ingenieria 1(3):

#### RADIATION LABORATORY

Bhattacharyya, Kankan

See under Das, Paritosh K. 1985. Journal of Physical Chemistry 89(20):4164-4166.

Paritosh K.

K. Bhattacharyya, P.K. Das, R.W. Fessenden, M.V. George, K.R. Gopidas and G.L. Hug. 1985. Photophysics of Furanoxy Radicals. Fluorescence and Triplet-Doublet Energy Transfer. Journal of Physical Chemistry 89(20):4164-4166.

Ebbesen, Thomas W.

T.W. Ébbesen. C.M. Pervitali, T. Karatsu, T. Arai and K. Tokumaru. 1985. Photoinduced Isomerization and Charge Transfer in Trans-1,2-Bis(1-Methyl-4-Pyridinio) Ethylene Salts. Chemical Physics Letters 119:489.

Hug, Gordon L.

See under Das, Paritosh K. 1985. Journal of Physical Chemistry 89(20):4164-4166.

LaVerne, Jay A.

J.A. LaVerne and A. Mozumder. 1985. Range and Range Straggling of Low-Energy Electrons in the Rare Gases. Journal of Physical Chemistry 89(20):4219-4225.

Levanon, Haim
A. Scherz and H. Levanon. 1985. Optical Transition Energies of Porphyrins The Application of Free Electron Molecular Orbital Approach. Molecular Physics 55(4):923-937.

### notre dame report

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

Bernadette Zoss, Editor Jeff Smith, Layout Publications and Graphic Services 415 Administration Building Notre Dame, Ind. 46556 (219) 239-5337