

# notre dame report

---

## contents

### the university

- 367 Commencement Exercises -- Faculty Instructions
- 367 Campus Telephone Directory Notice

### faculty notes

- 368 Appointments
- 368 Honors
- 368 Activities

### administrators' notes

- 371 Honors
- 371 Activities

### documentation

- 372 Library Hours/Intersession  
May 6 - June 20, 1988

### advanced studies

- 373 Current Publications and Other  
Scholarly Works
- 375 Awards Received
- 376 Proposals Submitted
- 378 Summary of Awards Received and Proposals  
Submitted

87-88

April 29, 1988

number 16

---

# the university

---

## commencement exercises—faculty instructions

BACCALAUREATE MASS -- SATURDAY, MAY 14, 1988

4:00 p.m. FACULTY ASSEMBLY. Enter Gate 1 or 2 of the Joyce A.C.C. and go to the Auxiliary Gymnasium. Academic robes **MUST** be worn by all those in the academic procession, including members of the clergy who are not concelebrating the Mass.

4:20 p.m. ACADEMIC PROCESSION STARTS.

5:00 p.m. BACCALAUREATE MASS. Father Malloy will be the Presiding Celebrant and Homilist. Except for the Ministers of the Mass, there will be no recessional of the procession participants.

COMMENCEMENT AND CONFERRING OF DEGREES --  
SUNDAY, MAY 15, 1988

12:30 p.m. DISTRIBUTION OF BACHELOR'S AND MASTER'S DIPLOMAS. Those faculty assisting with the distribution of diplomas should enter Gate 3 of the Joyce A.C.C. and go directly to the departmental tables set up in the center of the North Dome.

FACULTY ASSEMBLY. All other faculty should enter Gate 3 of the Joyce A.C.C. and assemble along the south perimeter of the hockey rink. Faculty who are advisors of doctoral degree recipients will receive additional instructions.

1:15 p.m. ACADEMIC PROCESSION STARTS. The faculty will follow the graduates into the South Dome of the Joyce A.C.C. and will go to the seats behind the stage.

2:00 p.m. COMMENCEMENT AND CONFERRING OF DEGREES CEREMONY.

## campus telephone directory notice

The Department of Publications and Graphic Services is currently compiling information from staff, faculty, and departments for the 1988-89 University of Notre Dame/Saint Mary's College preliminary telephone directory, scheduled for distribution sometime in August. Instructions from their office will be mailed out campus-wide shortly, along with directory change cards for use in reporting any additions, deletions, or changes that should be made in the listing of staff and faculty members in the Staff/Faculty Listing and Departmental Listing sections of the directory. There are four different color-coded cards with instructions included on each. If this notification is not received, please call their office at 239-5337 to request a set of instructions and the appropriate card(s) for the type of change being made.

Please Note: The deadline for receipt of all cards at the Publications and Graphic Services office, for inclusion in the preliminary directory, is June 10, 1988. A correctly completed card must be on file there in order for necessary changes to be made. Cards received after this date will be held for publication in the permanent directory. (No card is necessary if current entry is correct.) All information must be on a card (no other form of written changes or telephone calls will be accepted) and should be typed or printed legibly.

---

Vol. 17, No. 16

April 29, 1988

Notre Dame Report (USPS 7070-8000) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Department of Public Relations and Information. Second-class postage paid at Notre Dame, Ind. Postmaster: Please send address corrections to: Editor, Notre Dame Report, c/o Rm. 415, Administration Building, Notre Dame, IN 46556

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

---

# faculty notes

---

## appointments

Brian A. Pavlac, assistant professor of history at Valparaiso University, has been named director of Notre Dame's Foreign Study Program at Innsbruck, Austria, for the 1988-89 academic year, according to Isabel Charles, associate provost and director of foreign study programs. Pavlac replaces Alexander J. Hahn, professor of mathematics, who will return to campus for the fall semester.

Pavlac holds an M.A. and Ph.D. in history from Notre Dame and has taught at Indiana University at South Bend and Saint Mary's College. He has studied at the University of Bonn in West Germany and the University of Salzburg in Austria.

## honors

Thomas P. Fehlner, professor of chemistry, has been named a fellow of the John Simeon Guggenheim Memorial Foundation. He will receive monies for his studies in thin film deposition.

Suellen Hoy, adjunct associate professor of American Studies, has been awarded a fellowship by the British Academy for the summer of 1989. She will be doing research on Florence Nightingale as a precursor of cleanliness reform in America.

Tsun-Ming Terry Ng, assistant professor of aerospace and mechanical engineering, received the Dow Award Young Faculty Award, the Illinois-Indiana Section of the American Society for Engineering Education.

William D. Nichols, associate professor of accountancy, was appointed for a three-year term to the American Accounting Association Midwest Region Steering Committee.

## activities

Joseph P. Bauer, associate dean and professor of law, presented a paper titled "Schiavone: An Un-Fortune-Ate Illustration of the Supreme Court's Role as Interpreter of the Federal Rules of Civil Procedure" at a symposium commemorating the 50th anniversary of the Federal Rules of Civil Procedure, held at Notre Dame Law School, Notre Dame, Ind., Feb. 27.

Jeffrey H. Bergstrand, assistant professor of finance, presented a paper titled "Currency Substitution, Capital Mobility and Monetary Control Among Open Economies" (coauthored with Thomas Bundt, assistant professor of finance) at the International Economics Seminar held at the University of Wisconsin-Madison, Madison, Wisc., March 22.

Richard A. Boswell, associate professor of law, was an assistant team leader and faculty member at the National Institute for Trial Advocacy's Midwest Regional Advocacy Training Program held at Northwestern University Law School, Chicago, Ill., March 20-27.

Bruce A. Bunker, associate professor of physics, presented "EXAFS Studies of Semiconductor Microstructure" as part of a condensed-matter seminar held at Illinois Institute of Technology, Chicago, Ill., April 4. He also presented a colloquium titled "X-Ray Absorption Spectroscopy" at Goshen College, Goshen, Ind., April 6.

Kevin J. Christiano, assistant professor of sociology, served as discussant at a conference on "Changing Societal Institutions" sponsored by the Distinguished Visiting Scholars Series of the College of Arts and Letters at the University of Notre Dame, Notre Dame, Ind., March 29.

Thomas W. Ebbesen, assistant professional specialist in the Radiation Laboratory, gave an invited lecture, "Solvent Effects on Chemical Dynamics: Photophysics of the Solvent Probe ANS," at the University of Tsukuba, Tsukuba, Japan, March 25.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, gave an invited lecture titled "The Art and Science of Flow Control" for the department of mechanical and aerospace engineering at Princeton University, Princeton, N.J., April 5.

Rev. Patrick D. Gaffney, C.S.C., assistant professor of anthropology and acting director, Mediterranean/Middle East Studies Program, gave an invited major address titled "Islam and Foreign Policy in the Arab World" to the Midwest Model of the League of Arab States, held at Calvin College, Grand Rapids, Mich., March 24-26.

Teresa Ghilarducci, assistant professor of economics, conducted a seminar titled "Pensions as Contingent Claims, Asymmetric Information, Moral Hazard and Unions" at Harvard University, Cambridge, Mass., March 23.

Andre Goddu, assistant professor in the Program of Liberal Studies, presented a paper titled "Perspective Without Species: The Ockhamist Compromise" at the annual meeting of the Mediaeval Academy of America, held in Philadelphia, Pa., April 7-9.

Denis Goulet, O'Neill professor of education for justice, and in the Kellogg Institute, served as an invited panelist on "Justifiable Development" where he spoke on "Incentives: The Key to Equitable Development" at the International Studies Association's 29th annual convention held in St. Louis, Mo., March 31. He delivered two addresses titled "Three Rationalities in Development Decision-making" and "Development Ethics and Ecological Wisdom" to the Global Studies/Religion Seminar on "Ethical Issues in International Affairs" at The University of Iowa, Iowa city, April 4-5. He also presented a paper, "Development Ethics and Ecological Wisdom," at the 14th Annual Third World Conference held in Chicago, Ill., April 8.

Lloyd H. Ketchum, Jr., associate professor of civil engineering, presented "Hazardous Waste Treatment: Innovative Alternatives" to the Notre Dame Club of Rhode Island/S.E. Massachusetts (Providence, R.I.) as part of the Hesburgh Lecture Program sponsored by the University of Notre Dame Alumni Association, March 2.

Robert J. Lordi, professor of English, was a participant in a "Workshop on Editing Shakespeare" at the annual meeting of the Shakespeare Association of America held in Boston, Mass., March 31 - April 2.

Scott P. Mainwaring, assistant professor of government and international studies and assistant faculty fellow in the Kellogg Institute, lectured on "The Progressive Church in the New Republic" at the Federal University of Rio Grande do Sul, Porto Alegre, Brazil, Nov. 12. He delivered another lec-

ture, "Democratic Theory, Political Parties, and Democratic Consolidation," at the same university, Nov. 13.

Paramasivan Natarajan, professional specialist in the Radiation Laboratory, gave an invited seminar, "Photochemistry of Some Cobalt(III)-amine Complexes in Non-aqueous Solvents," at Wayne State University, Detroit, Mich., April 7.

Alven M. Neiman, assistant professional specialist and assistant dean, College of Arts and Letters, presented a paper titled "Roles and Rationality in the Ethics of Teaching" at the annual meeting of the Philosophy of Education Society, San Diego, Calif., March 25-28.

Walter Nicgorski, associate professor in the Program Liberal Studies, delivered one of the annual Presidential lectures on "Moral Development, Socratic Inquiry, and the Modern University" at Duquesne University, Pittsburgh, Pa., March 23.

Rev. Thomas F. O'Meara, O.P., Warren professor of Catholic theory, delivered "The Future of Catholicism" and "Fundamentalism and Catholicism" at St. Vincent de Paul Seminary, Boynton Beach, Fla., Feb. 17. He also presented the William K. Warren Lecture, "Bible and Pope: Today's Search for Authority," at the University of Tulsa, Tulsa, Okla., March 29. He presented "Aquinas' Theology and Modernity" at the Dominican Conference on Thomas Aquinas' Theology, River Forest, Ill., April 8.

Morris Pollard, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, helped arrange a symposium, "Effects of Dietary Restriction on Aging and Disease in Germ-free and Conventional Lobund-Wistar Rats," held at the University of Notre Dame, Notre Dame, Ind., March 27-29. Dr. Pollard presented "Spontaneous Diseases in Aging L-W Rats" at the meeting.

John F. Santos, professor of psychology and director, GERAS Center, delivered the keynote address titled "Factors Related to Improved Geriatric Health and Mental Health Care and Service Delivery" at a meeting "Gerontology: Healthcare for the Emerging Majority" at Baptist Memorial Hospital in Memphis, Tenn., April 1.

Leonard M. Savoie, chairman and professor of accountancy, spoke on "The Future of Accounting Education" at the National Association of Accountants Calumet Chapter meeting held in Schererville, Ind., March 5.

James H. Seckinger, director, National Institute for Trial Advocacy and professor of law, was the program coordinator and faculty member for the NITA/Indiana Continuing Legal Education Forum Trial Advocacy Program, Indianapolis, Ind., March 9.

Robert M. Slabey, associate professor of English, delivered a paper titled "He 'Bought the Farm' in Vietnam: War, Poetry, and the Land" at the annual conference of the Popular Culture Association/American Culture Association, held in New Orleans, La., March 23.

David L. Snyder, assistant professional specialist in the Lobund Laboratory, helped arrange a symposium, "Effects of Dietary Restriction on Aging and Disease in Germfree and Conventional Lobund-Wistar Rats" held at the University of Notre Dame, Notre Dame, Ind., March 27-29. He presented "Design of the Lobund Aging Project and Growth and Survival Characteristics of the Lobund-Wistar Rat" and "Serum Hormone Changes in Aging Lobund-Wistar Rats" at the meeting.

Anne-Marie Soucy, assistant professor of modern and classical languages, gave a talk titled "Le Rire dans la Poesie de Baudelaire" for the Alliance Francaise, South Bend, Ind., April 6. She was a respondent for "The Politics of Images" at the International Association for Philosophy and Literature Conference, held at the University of Notre Dame, Notre Dame, Ind., April 21. She delivered two papers, "Irreconcilable Differences: Representations of Woman in Nineteenth Century Parisian Mass Culture and Emile Zola's *Au Bonheur des Dames*" and "Spectator- and Reader-Response in Baudelaire's Prose Poetry and Daumier's Social Caricatures," at the Kentucky Foreign Language Conference held at the University of Kentucky, Lexington, Ky., April 22 and 23.

Carl L. Stam, associate professional specialist, director of Choral Music, and concurrent assistant professor of music, participated in preliminary auditions for the Affiliate Artist Conductors Program with the Louisville Symphony Orchestra, Louisville, Ky., March 1.

Wilhelm Stoll, professor of mathematics, delivered an address titled "An Extension of the Steinmetz-Nevanlinna Theorem to Holomorphic Curves" at the

international conference on several complex variables held at the Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan, March 22-26.

M. Katherine Tillman, associate professor in the Program of Liberal Studies, presented a paper titled "'Habit of Mind': Aristotle and Newman on the End of Liberal Education" at the meeting of the American Philosophical Association held in Portland, Ore., March 24. She also delivered the 1988 Lumina Lecture on Liberal Education at Valparaiso University, Ind., April 10.

Walter J. Tomasch, professor of physics, gave an invited talk "Microwave Losses in High-Temperature Superconductors" at Iowa State University, Ames, April 7.

Eduardo E. Wolf, professor of chemical engineering, was invited to present three lectures on heterogeneous catalysis at King Saud University, Riyadh, Saudi Arabia, March 11-17. He was a keynote speaker at the Third Congress of the Egyptian Society of Chemical Engineers, Cairo, Egypt, March 19-21.

Bernard S. Wostmann, professor emeritus of biological sciences, presented "Biochemical Determinations" at the symposium, "Effects of Dietary Restrictions on Aging and Disease in Germfree and Conventional Lobund-Wistar Rats," held at the University of Notre Dame, Notre Dame, Ind., March 27-29.

# administrators' notes

---

## honors

William J. Hickey, Jr., director, University Food Services, received a plaque of recognition commemorating his years as president of NACUF's Region I.

William J. Hickey, Jr., director, University Food Services, presented "Prospective of the College and University Food Services -- Institutional Viewpoint" for the Keebler Cookie Company at their National Sales Meeting in Tucson, Ariz., Feb. 5. He also presented "Selling the Institutional Market -- A Customer's Viewpoint" for Bloomfield Industries of Chicago, Ill., March 10. He presented "Leadership, Its' Dynamics, Expectations, and Rewards" at the NACUFS Region I Conference, held in Portsmouth, N.H., March 14-17. The conference was hosted by the University of New Hampshire and Phillips Exeter Academy.

## activities

Chris Grande, internal auditor, successfully completed the examination for the CPA certificate.

Christine Mengucci, student development coordinator, Office of Student Activities, gave a presentation titled "Alcohol Counseling and Intervention Strategies on College Campuses" at the Indiana State B.A.C.C.H.U.S. Conference held in Indianapolis, Ind., March 5.

# document- tation

## library hours/intersession may 6 - june 20, 1988

| Date          | Hesburgh Library                                 |                    | Engineering & Science |
|---------------|--|--------------------|-----------------------|
|               | Building   | Public Services    | Libraries             |
| Fri., May 6   | 8 a.m.-9:45 p.m.                                 | 8 a.m.- 4:45 p.m.  | 8 a.m.- 5 p.m.        |
| Sat., May 7   | 9 a.m.-9:45 p.m.                                 | 9 a.m.- 4:45 p.m.* | Closed                |
| Sun., May 8   | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., May 9   |  |                    |                       |
| through       | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.- 5 p.m.        |
| Fri., May 13  |  |                    |                       |
| Sat., May 14  | 9 a.m.-9:45 p.m.                                 | 9 a.m.-4:45 p.m.*  | Closed                |
| Sun., May 15  | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., May 16  |  |                    |                       |
| through       | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.-5 p.m.         |
| Fri., May 20  |  |                    |                       |
| Sat., May 21  | 9 a.m.-9:45 p.m.                                 | 9 a.m.-4:45 p.m.*  | Closed                |
| Sun., May 22  | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., May 23  |  |                    |                       |
| through       | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.-5 p.m.         |
| Fri., May 27  |  |                    |                       |
| Sat., May 28  | 9 a.m.-9:45 p.m.                                 | 9 a.m.-4:45 p.m.*  | Closed                |
| Sun., May 29  | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., May 30  | All libraries closed for Memorial Day.           |                    |                       |
| Tue., May 31  |  |                    |                       |
| through       | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.-5 p.m.         |
| Fri., June 3  |  |                    |                       |
| Sat., June 4  | 9 a.m.-9:45 p.m.                                 | 9 a.m.-4:45 p.m.*  | Closed                |
| Sun., June 5  | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., June 6  |  |                    |                       |
| through       | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.-5 p.m.         |
| Fri., June 10 |  |                    |                       |
| Sat., June 11 | 9 a.m.-9:45 p.m.                                 | 9 a.m.-4:45 p.m.*  | Closed                |
| Sun., June 12 | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., June 13 |  |                    |                       |
| through       | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.-5 p.m.         |
| Fri., June 17 |  |                    |                       |
| Sat., June 18 | 9 a.m.-9:45 p.m.                                 | 9 a.m.-4:45 p.m.   | Closed                |
| Sun., June 19 | 1 p.m.-9:45 p.m.                                 | Closed             | Closed                |
| Mon., June 20 | 8 a.m.-9:45 p.m.                                 | 8 a.m.-4:45 p.m.   | 8 a.m.-5 p.m.         |
| Tue., June 21 | All libraries adopt the Summer Session Schedule. |                    |                       |

\* The following public service units will be open on this day: Circulation Services, Current Periodicals, and Reference Services.

# advanced studies

## current publications and other scholarly works

COLLEGE OF ARTS AND LETTERS

### English

Fox, Christopher B.

C.B. Fox. 1987. Defining Eighteenth-Century Psychology: Some Problems and Perspectives. Pages 1-22 in, C.B. Fox, ed., Psychology and Literature in the Eighteenth Century. AMS Studies In The Eighteenth Century, New York, New York.

C.B. Fox. 1987. Editor. Psychology and Literature in the Eighteenth Century. AMS Studies In The Eighteenth Century, New York, New York. 372 pp.

### Modern and Classical Languages

Soucy, Anne-Marie

A.M. Soucy. 1988. Baudelaire's Prose Poem and Contemporary Theory. Forum for Modern Language Studies. 24(1):27-36.

### Music

Stam, Carl L.

C.L. Stam. 1988. Invited Concert for the Central Division. Convention of the American Choral Directors Association. American Choral Directors Association, Cleveland, Ohio.

C.L. Stam. 1988. Conductor. Notre Dame Chorale and Chamber Orchestra. Haydn's Te Deum and Schubert's Mass in E-flat. Sacred Heart Church, University of Notre Dame, Notre Dame, Indiana.

C.L. Stam. 1988. Conductor. Notre Dame Glee Club. Greensburg Salem Senior High, Greensburg, Pennsylvania.

C.L. Stam. 1988. Conductor. Notre Dame Glee Club Spring Concert. Holst's A Dirge for Two Veterans; Schubert's Nachtgesang im Walde; Poulenc's Quatre Petites Prieres; and Milhaud's Psaume 121. Washington Hall, University of Notre Dame, Notre Dame, Indiana.

C.L. Stam. 1988. Conductor. Notre Dame Glee Club Concert. Codex Corporation, Canton, Massachusetts.

C.L. Stam. 1988. Conductor. Notre Dame Glee Club. Immaculata College, Immaculata, Pennsylvania.

C.L. Stam. 1988. Conductor. Notre Dame Glee Club Concert. Kulas Auditorium, John Carroll University, Cleveland, Ohio.

C.L. Stam. 1988. Conductor. Notre Dame Glee Club Concert. Kenmore Auditorium, Mount St. Mary Academy, Buffalo, New York.

C.L. Stam. 1988. Conductor. Liturgy, lead by the Notre Dame Glee Club. Saint Paschals Church, Solon, Ohio.

C.L. Stam. 1988. Conductor. Notre Dame Chorale Concert. St. Peter's Church, Mendota, Minnesota.

C.L. Stam. 1988. Conductor. Notre Dame Chorale Concert. Church of the Immaculate Conception, Faribault, Minnesota.

C.L. Stam. 1988. Conductor. Notre Dame Chorale Concert. Blessed Sacrament Church, Madison, Wisconsin.

### Philosophy

Plantinga, Alvin

A. Plantinga. 1987. Justification and Theism. Faith and Philosophy 4:403-427.

### Program of Liberal Studies

Smith, Janet E.

J.E. Smith. 1988. Abortion and Moral Development Theory: Listening with Different Ears. International Philosophical Quarterly 38(109):31-51.



Theology

- Collins, John J.  
J.J. Collins. 1987. Prophecy and Fulfillment in the Qumran Scrolls. Journal of the Evangelical Theological Society 30(3):267-278.  
J.J. Collins. 1988. Messianism in the Maccabean Period. Pages 97-109 in, J. Neusner, W. Green and E. Frerichs, eds., Judaisms and Their Messiahs. Cambridge University Press, Cambridge, England.  
J.J. Collins. 1987. Review of M. De Jonge and H. Hollander, The Testaments of the Twelve Patriarchs. Journal of Biblical Literature 106:740-741.
- McBrien, Rev. Richard P.  
R.P. McBrien. 1988. The Electronic Church: A Catholic Theologian's Perspective. The Living Light 24(2):103-110.  
R.P. McBrien. 1987. Theology in Catholic Higher Education. Pages 295-299 in, H. Kung and L. Swidler, eds., The Church in Anquish: Has the Vatican Betrayed Vatican II? Harper and Row, San Francisco, California.

COLLEGE OF SCIENCE

Mathematics

- Wong, Warren J.  
W.J. Wong. 1988. Rank 1 Preserving Maps on Linear Transformations Over Noncommutative Local Rings. Journal of Algebra 113:263-293.  
W.J. Wong. 1988. Very Strong Linkage for Cohomology Groups of Line Bundles on G/B. Journal of Algebra 113:71-80.  
W.J. Wong. 1987. Maps on Spaces of Linear Transformations. Mathematical Chronicle 16:15-24.

Physics

- Dow, John D.  
R.P. Beres, R.E. Allen and J.D. Dow. 1988. Effects of the Band Offset on Interfacial Deep Levels. Journal of Materials Research 3(1):164-166.

COLLEGE OF ENGINEERING

Chemical Engineering

- Wolf, Eduardo E.  
J.R. Regalbuto and E.E. Wolf. 1988. An Integrated Study of Pt/WO<sub>3</sub>/SiO<sub>2</sub> Catalysts for the NO-CO Reaction, Part III, FTIR Kinetic Study and Correlation of Promotional Effects. Journal of Catalysis 109:12-24.  
See under MATERIALS SCIENCE AND ENGINEERING; Allen, Charles W. 1988. Journal of Catalysis 108:304-322.

Civil Engineering

- Gray, William G.  
S.M. Hassanizadeh and W.G. Gray. 1987. High Velocity Flow in Porous Media. Transport in Porous Media 2(6):537-552.

Electrical and Computer Engineering

- Michel, Anthony N.  
S.B. Skaar, A.N. Michel and R.K. Miller. 1988. Stability of Viscoelastic Control Systems. IEEE Transactions on Automatic Control 33(4):348-357.

Materials Science and Engineering

- Allen, Charles W.  
J.R. Regalbuto, C.W. Allen and E.E. Wolf. 1987. An Integrated Study of Pt/WO<sub>2</sub>/SiO<sub>2</sub> Catalysts for the NO-CO Reaction II, TEM Investigation of Overlayer Formation on Model Pt-WO<sub>3</sub>/SiO<sub>2</sub>. Journal of Catalysis 108:304-322.

COLLEGE OF BUSINESS ADMINISTRATION

Accountancy

- Rueschhoff, Norlin G.  
N.G. Rueschhoff. 1988. A Functional Activity Framework for International Accounting and Auditing Research. Midwest Review of International Business Research 2:14-19.

Finance and Business Economics

Cosimano, Thomas F.

T.F. Cosimano and D.W. Jansen. 1988. Federal Reserve Policy, 1975-1985: An Empirical Analysis. Journal of Macroeconomics 10(1):27-47.

LAW

Bauer, Joseph P.

J.P. Bauer and E.W. Kintner. 1987. Competition at the Teller's Window?: Altered Antitrust Standards for Banks and Other Financial Institutions. University of Kansas Law Review 34(4):657-695.

Phelps, Teresa G.

T.G. Phelps. 1988. Writing Strategies for Practicing Attorneys. Gonzaga Law Review 23:155-165.

O'NEILL CHAIR IN EDUCATION FOR JUSTICE

Goulet, Denis A.

D.A. Goulet. 1988. Development Strategy in Sri Lanka and a People's Alternative. Pages 61-83 in, D.W. Attwood, T.C. Bruneau and J.G. Galaty, eds., Power and Poverty. Westview Press, Boulder, Colorado.

D.A. Goulet. 1988. Letter Comment. FORUM 18(1a):93-94.

# awards received

IN THE PERIOD MARCH 1, 1988 THROUGH MARCH 31, 1988

| <u>Department or Office</u> | <u>Principal</u>       | <u>Short Title</u>  | <u>Sponsor</u>             | <u>Dollars Months</u> |
|-----------------------------|------------------------|---|----------------------------|-----------------------|
| AWARDS FOR RESEARCH         |                        |   |                            |                       |
| Aerospace Mech. Eng.        | Nelson, Ng             | Vortex Control  | NASA - Ames Research Cent. | 35,000<br>24          |
| Biological Sciences         | Kulpa                  | Biodegradative Activities of Bacteria in Liquid/Solid Phase | Occidental Chem. Corp.     | 22,500<br>31          |
| Biological Sciences         | Lodge                  | Predator Prey Interactions                                  | Univ. Oklahoma             | 1,500<br>2            |
| Biological Sciences         | Goetz                  | Ovulation in Fish   | Natl. Sci. Fdn.            | 50,000<br>12          |
| Civil Eng.                  | Irvine, Ketchum, Kulpa | SBR Technology in Biodegradation of Wastes                  | Sandia Natl. Labs          | 48,490<br>8           |
| Chemistry                   | Thomas                 | Photochemical Mechanisms of Photolithographic Imaging Sys.  | Intl. Business Machines    | 55,000<br>12          |
| English                     | Jemielity              | The Hebrew Prophet in the Satirist's Mask                   | Ind. Comm. Humanities      | 4,000<br>2            |
| Mathematics                 | Buechler               | Geometrical Stability Theory                                | Natl. Sci. Fdn.            | 38,900<br>24          |
| Mathematics                 | Knight                 | Recursive Model Theory                                      | Natl. Sci. Fdn.            | 31,300<br>12          |
| Mathematics                 | Stoll, Wong            | Theory of Several Complex Variables                         | Natl. Sci. Fdn.            | 61,650<br>12          |
| Mathematics                 | Stanton                | Eigenvalues of Complex Laplacians                           | Natl. Sci. Fdn.            | 27,400<br>12          |
| Mathematics                 | Smyth, Xavier          | Complete Surfaces in Three-Space                            | Natl. Sci. Fdn.            | 40,500<br>12          |
| Psychology                  | Cole                   | Social Integration of Handicapped Children                  | Little City Fdn.           | 7,492<br>9            |
| Theology                    | Laporte                | Origen's Sacramental Theology                               | Asscn. Theo. Schools       | 4,000<br>6            |
| Biological Sciences         | Fuchs                  | Reproductive Physiology of <u>Aedes</u> Mosquitoes          | Natl. Inst. Health         | 132,275<br>12         |

| <u>Department or Office</u> | <u>Principal</u>      | <u>Short Title</u>                  | <u>Sponsor</u> | <u>Dollars Months</u> |
|-----------------------------|-----------------------|-------------------------------------|----------------|-----------------------|
| Chemistry                   | Szmuszkovicz, Fehlner | Unrestricted Research               | Upjohn Co.     | 123,588<br>12         |
| Physics                     | LoSecco               | Non-Accelerator High Energy Physics | Dept. Energy   | 95,000<br>12          |
| Psychology                  | Anderson              | OBM Application to J. M. Mold       | J.M. Mold, Inc | 5,069<br>12           |

AWARDS FOR INSTRUCTIONAL PROGRAMS

|         |          |  |                    |            |
|---------|----------|--|--------------------|------------|
| English | Krier    | Lilly Course Development                                 | Lilly Endow., Inc. | 5,000<br>4 |
| English | Avallone | Division in 19th Century Literature of the United States | Lilly Endow., Inc. | 5,000<br>4 |

AWARDS FOR SERVICE PROGRAMS

|                               |           |  |                |             |
|-------------------------------|-----------|--|----------------|-------------|
| Cent. Social Concerns         | McNeill   | Center for Social Concerns                             | Various Others | 264<br>1    |
| ND Cent. Past. Liturgy        | Bernstein | Notre Dame Center for Pastoral Liturgy                 | Various Others | 3,119<br>1  |
| ND Cent. Past. Liturgy        | Bernstein | Notre Dame Center for Pastoral Liturgy - Publications  | Various Others | 1,488<br>1  |
| Cent. Cont. Form. Min.        | Pelton    | Notre Dame Center for Continuing Formation in Ministry | Various Others | 26,136<br>1 |
| Inst. Past. Soc. Min.         | Pelton    | IPSM Parish Study - Phase III                          | Various Others | 295<br>1    |
| Inst. Past. Soc. Min.         | Pelton    | Institute for Pastoral and Social Ministry             | Various Others | 105<br>1    |
| Latin/North Amer Church Conc. | Pelton    | Latin and North American Church Concerns               | Various Others | 2,000<br>1  |
| Prog. Church Leaders          | Kelly     | Programs for Church Leaders                            | Various Others | 600<br>1    |

AWARDS FOR OTHER PROGRAMS

|                      |         |                                |                         |               |
|----------------------|---------|--------------------------------|-------------------------|---------------|
| Philosophy           | Ameriks | Kant's Lectures on Metaphysics | Natl. Endow. Humanities | 34,024<br>12  |
| College Arts Letters | Hatch   | Challenge Grant                | Natl. Endow. Humanities | 200,000<br>56 |

## proposals submitted

IN THE PERIOD MARCH 1, 1988 THROUGH MARCH 31, 1988

| <u>Department or Office</u> | <u>Principal</u> | <u>Short Title</u>   | <u>Sponsor</u>       | <u>Dollars Months</u> |
|-----------------------------|------------------|--|----------------------|-----------------------|
| PROPOSALS FOR RESEARCH      |                  |  |                      |                       |
| Aerospace Mech. Eng.        | Thomas           | Turbulence Behavior in Shock Wave/Turbulent Boundary Layer | Dept. Navy           | 275,490<br>36         |
| Biological Sciences         | Tweedell         | Adhesion of Tumor Cells                                    | Amer. Cancer Society | 80,301<br>24          |
| Biological Sciences         | Martin           | Interstitial Cell Differentiation                          | Natl. Sci. Fdtn.     | 53,684<br>12          |

| <u>Department<br/>or Office</u>        | <u>Principal</u>      | <u>Short Title</u>  | <u>Sponsor</u>                  | <u>Dollars<br/>Months</u> |
|--|-----------------------|---|---------------------------------|---------------------------|
| Cent. Bioeng.<br>Pollution Cont.       | Ketchum, Kulpa        | AnSBR Treatment of Army Base<br>Wastewaters                   | Dept.<br>Army                   | 29,720<br>6               |
| Civil<br>Eng.                          | Ketchum               | Texas Southern and Notre Dame<br>Linkage Development          | Dept.<br>Energy                 | 27,520<br>6               |
| Civil<br>Eng.                          | Silliman              | Random Field Analysis   | Dept.<br>Navy                   | 236,280<br>36             |
| Chemical<br>Eng.                       | Leighton,<br>McCready | Study of Oscillatory Liquid<br>Membranes                      | Dept.<br>Army                   | 29,720<br>7               |
| Chemical<br>Eng.                       | McCready,<br>Leighton | Investigation of Oscillatory<br>Liquid Membranes              | Natl. Sci.<br>Fdtn.             | 146,705<br>24             |
| Chemistry                              | Miller                | Methodology for the Synthesis<br>of Antibiotics               | Eli Lilly<br>Company            | 37,040<br>12              |
| Chemistry                              | Helquist              | Synthetic Studies of<br>Streptogramin Antibiotics             | Natl. Inst.<br>Health           | 152,773<br>12             |
| English                                | Jemielity             | The Hebrew Prophet in the<br>Satirist's Mask                  | Ind. Comm.<br>Humanities        | 4,000<br>2                |
| Government<br>Intl. Stud.              | Marilley              | Political Development of the<br>U.S. Woman Suffrage Movement  | M.I. Bunting<br>Inst.           | 2,500<br>3                |
| Materials<br>Sci. Eng.                 | McGinn                | Model Sintering Studies of High<br>Tc Superconductors         | Dept.<br>Navy                   | 199,981<br>36             |
| Theology                               | Laporte               | Origen's Sacramental Theology                                 | Asscn. Theo.<br>Schools         | 22,175<br>6               |
| Aerospace<br>Mech. Eng.                | Mueller               | Separated Regions Near the<br>Leading Edge of Airfoils        | NASA - Langley<br>Research Ctr. | 45,984<br>12              |
| Civil<br>Eng.                          | Ketchum               | Elucidation of the Ring<br>Eleavage Mechanism                 | Natl. Sci.<br>Fdtn.             | 31,506<br>12              |
| Chemical<br>Eng.                       | Leighton              | Presidential Young Investigator<br>Award                      | Natl. Sci.<br>Fdtn.             | 124,379<br>12             |
| Chemical<br>Eng.                       | Chang                 | Nonlinear Techniques  | Natl. Sci.<br>Fdtn.             | 100,000<br>12             |
| Chemistry                              | Thomas, Olea          | Photo Affinity Labelling                                      | Natl. Sci.<br>Fdtn.             | 19,318<br>24              |
| Chemistry                              | Huber                 | Protein Binding Sites on 5S<br>rRNA                           | Natl. Inst.<br>Health           | 101,484<br>12             |
| Elect.<br>Comp. Eng.                   | Bandyopadhyay         | Theoretical Modeling of Trans-<br>port In Quantum-well Diodes | Dept.<br>Army                   | 34,178<br>6               |
| Elect.<br>Comp. Eng.                   | Bernstein             | Nanometer Structure Fabrication                               | Dept.<br>Navy                   | 215,327<br>36             |
| English                                | Gernes                | Fellowship for Creative Writer                                | Natl. Endow.<br>Arts            | 52,898<br>12              |
| Physics                                | Poirier               | Ultra High Energy Gamma Ray<br>Research                       | Natl. Sci.<br>Fdtn.             | 1,353,597<br>36           |
| PROPOSALS FOR FACILITIES AND EQUIPMENT |                       |   |                                 |                           |
| Physics                                | Kolata                | Radioactive Beams   | Natl. Sci.<br>Fdtn.             | 95,830<br>12              |
| PROPOSALS FOR INSTRUCTIONAL PROGRAMS   |                       |   |                                 |                           |
| Cent. Educ.<br>Oppor.                  | Smith                 | Project Mass Comm   | Bowsher Booher<br>Foundation    | 186,400<br>12             |
| PROPOSALS FOR SERVICE PROGRAMS         |                       |   |                                 |                           |
| Cent. Educ.<br>Oppor.                  | Smith                 | Summer Food Service Program<br>for Children                   | Ind. Dept.<br>Education         | 5,338<br>2                |

PROPOSALS FOR OTHER PROGRAMS

|                       |           |  |                            |               |
|-----------------------|-----------|--|----------------------------|---------------|
| Chemical Eng.         | Varma     | Group Travel Grant to Attend International Conference            | Natl. Sci. Fdtn.           | 100,080<br>6  |
| Law School            | Broden    | Battered Women and Abused Children Clinical Program              | Dept. Education            | 106,328<br>12 |
| Medieval Inst.        | Van Engen | Christendom in the High Middle Ages: Summer Institute            | Natl. Endow. Humanities    | 144,231<br>8  |
| Mod. Class. Languages | Cervigni  | A Seminar on Dante's <u>Comedy</u>                               | Natl. Endow. Humanities    | 58,208<br>12  |
| Philosophy            | Morris    | Pascal's <u>Pensées</u> : Faith, Reason, and the Meaning of Life | Natl. Endow. Humanities    | 47,492<br>12  |
| Philosophy            | Sterba    | Travel Grant to Conferences in Britain                           | Amer. Council Learned Soc. | 1,004<br>1    |
| Prog. Lib. Stud.      | Nicgorski | NEH Summer Seminar for School Teachers                           | Natl. Endow. Humanities    | 55,210<br>12  |

## summary of awards received and proposals submitted

IN THE PERIOD MARCH 1, 1988 THROUGH MARCH 31, 1988

AWARDS RECEIVED

| Category                 | Renewal  |                | New       |                | Total     |                  |
|--------------------------|----------|----------------|-----------|----------------|-----------|------------------|
|                          | No.      | Amount         | No.       | Amount         | No.       | Amount           |
| Research                 | 9        | 616,713        | 9         | 166,951        | 18        | 783,664          |
| Facilities and Equipment | 0        | 0              | 0         | 0              | 0         | 0                |
| Instructional Programs   | 0        | 0              | 2         | 10,000         | 2         | 10,000           |
| Service Programs         | 0        | 0              | 8         | 34,007         | 8         | 34,007           |
| Other Programs           | 0        | 0              | 2         | 234,024        | 2         | 234,024          |
| <b>Total</b>             | <b>9</b> | <b>616,713</b> | <b>21</b> | <b>444,982</b> | <b>30</b> | <b>1,061,695</b> |

PROPOSALS SUBMITTED

| Category                 | Renewal  |                | New       |                  | Total     |                  |
|--------------------------|----------|----------------|-----------|------------------|-----------|------------------|
|                          | No.      | Amount         | No.       | Amount           | No.       | Amount           |
| Research                 | 7        | 615,344        | 17        | 2,761,216        | 24        | 3,376,560        |
| Facilities and Equipment | 0        | 0              | 1         | 95,830           | 1         | 95,830           |
| Instructional Programs   | 0        | 0              | 1         | 186,400          | 1         | 186,400          |
| Service Programs         | 1        | 5,338          | 0         | 0                | 1         | 5,338            |
| Other Programs           | 0        | 0              | 7         | 512,553          | 7         | 512,553          |
| <b>Total</b>             | <b>8</b> | <b>620,682</b> | <b>26</b> | <b>3,555,999</b> | <b>34</b> | <b>4,176,681</b> |

---

## 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.

**Darlene Cutrona, Editor**

**John Furnari, Layout**

**Publications and Graphic Services**

**415 Administration Building**

**Notre Dame, Ind. 46556**

**(219) 239-5337**

---