

'75-'76

# notre dame report

April 9, 1976

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# the university

## Laetare Medal

Paul Horgan, novelist and Pulitzer Prize-winning historian known for his imaginative recreations of the American Southwest, has been awarded the University of Notre Dame's Laetare Medal for 1976.

Horgan, who is emeritus professor of English and writer-in-residence at Wesleyan University, Middletown, Conn., lived in New Mexico for half a century, becoming absorbed in the region and its history. His first published novel, "The Fault of Angels," won the Harper Prize in 1933, and his fortieth work, "Lamy of Santa Fe," the widely praised biography of the first bishop of Santa Fe, was published last year. "Great River," the story of the Rio Grande in North American history won him the Pulitzer and Bancroft Prizes in 1955. Horgan has been chairman of the board of the Santa Fe Opera, a member of the National Institute of Arts and Letters, a member of the National Council on the Humanities, and a member of the editorial board of the Book-of-the-Month Club. He has received 13 honorary degrees, including one from Notre Dame in 1958.

The Laetare Medal was first presented in 1883 to bring recognition to Catholics who had achieved distinction in their chosen fields. Its name comes from the fact that its public announcement occurs on Laetare Sunday, the fourth Sunday of Lent and traditionally an occasion of joy in the Church's liturgical year.

## Prizes Honor Two Professors

Two new undergraduate literary prizes will honor former Notre Dame English Professor John T. Frederick and Professor Emeritus Richard T. Sullivan.

The John T. Frederick Prize will be awarded annually for excellence in literary criticism, and the Richard T. Sullivan Award for fiction writing. Cash awards will be granted in each case, and the Frederick prize will include an inscribed plaque.

The Frederick Prize has been established by an anonymous donor to commemorate the poet, novelist, short story writer, and scholar of American literature, who taught for more than 30 years at Notre Dame and also served administratively, as chairman of the English Department and as a member of the Library Council. Frederick was also an important man of letters in the midwest. He founded *The Midland*, a prestigious "little magazine" which is still published. At his retirement in 1962, Notre Dame conferred upon him an honorary doctor of letters.

Sullivan has published six novels, a collection of short stories and the book, "Notre Dame, Reminiscences of an Era." The Sullivan Prize has been established by the faculty of the Department of English, where the author has taught fiction writing, playwriting, dramatic literature, and world literature. He will retire in May after 40 years of teaching.

## 'Heritage of '76'

A series of bicentennial essays by noted educators, authors and other professionals have been assembled in book form by Jay P. Dolan, assistant professor of history. The book, "Heritage of '76," is published by the University of Notre Dame Press and will be distributed to all libraries and schools in the state of Indiana.

Contributing authors from Notre Dame include Vincent P. DeSantis, professor of history; Vincent P. Lannie, professor of education; Thomas J. Schlereth, assistant professor of American Studies; Marshall Smelser, professor of history, and Dolan.

The book was commissioned by Arthur J. Decio, chairman of the Elkhart Bicentennial Commission and trustee of the University of Notre Dame. Essays in the book originally appeared in the Elkhart Truth newspaper.

## Conference Televised

Area residents will have a second chance to hear speeches of the Bicentennial Festival held recently at Notre Dame when major conference sessions are televised on Cable Channel 2.

The seven-week series began March 27 with a reappraisal of the Revolutionary war by Notre Dame History Professor Marshall Smelser; April 3 and 4, Prof. Martin Diamond of Northern Illinois University spoke on "The American Idea of Equality--A View from the Founding." Remaining talks will be televised on successive Saturdays and Sundays at 1 p.m. They are:

- April 10-11: Prof. Sydney Ahlstrom, Yale University.  
"The Religious Dimension of American Aspirations."
- April 17-18: Prof. Peter Berger, Rutgers University.  
"In Praise of Particularity: The Concept of Mediating Structures."
- April 24-25: Prof. Vincent Harding, University of Pennsylvania.  
"Is America in Any Sense Chosen?...Only if It Chooses to Be." and  
Prof. Alfred Kazin, Hunter College.  
"The Drama of Good and Evil In American Writing."
- May 1-2: Prof. I. Bernard Cohen, Harvard University.  
"Science and the Growth of the American Republic."
- May 8-9: Rev. Theodore M. Hesburgh, C.S.C., Notre Dame.  
"American Aspirations and the World Community."

## SRA Meeting

The Midwest Section of the Society of Research Administrators (SRA) will hold a regional meeting in the University of Notre Dame's Center for Continuing Education May 3-5.

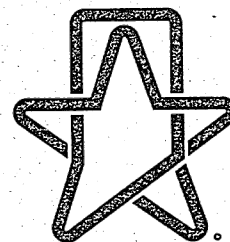
Following opening addresses by Rev. Theodore M. Hesburgh, C.S.C., Notre Dame president, and Clarence Berg, University of Minnesota, midwest SRA president, delegates will hear a panel discuss "Affirmative Action: Where Do We Have To Get and Where Are We Now?" Richard Stevens, assistant director of University and Manpower Programs, Energy Research and Development Administration (ERDA), will discuss university programs supported by the successor to the Atomic Energy Commission. Other first day speakers

will include Sydney S. Wagner, general director of the Canadian Office of Science and Technology; Charles Hauer, deputy director of the Division of Intergovernmental Science & Public Technology, and Edward P. Todd, deputy assistant director of the Directorate for Astronomical, Atmospheric, Earth and Ocean Sciences, National Science Foundation.

Tuesday, Todd will be joined by Suzanne S. Stimler, acting director of Biotechnology Branch of Division of Research Resources, National Institute of Health, for a discussion of "NIH/NSF Bio and Physical Technology Resources." Charles McPherson, director of the governmental branch, will discuss "NIH Laboratory Animal Resources."

Final day sessions, focusing on "Industry/Non-Profits/University Interfaces," will feature talks by G.A. Griess, director of scientific liaison for Dow Chemical; Marvin Krasnow, industrial relations coordinator at the University of Illinois, and Robert Henderson, executive director of the Indianapolis Center for Advanced Research. Other speakers, discussing "Fundamentals of Grant and Contract Administration and Development for New Research Administrators," will be Robert F. Boord, director of research services at Cleveland State University, and Eugene Frick, contract administrator at Purdue University.

## Bicentennial Designation



EMBLEM OF  
THE INDIANA AMERICAN REVOLUTION  
BICENTENNIAL COMMISSION

The University of Notre Dame has been designated an official Bicentennial institution by state and national officials who have presented a certificate and flag. Colleges and universities qualify for the honor by sponsoring a major Bicentennial observance or conducting research of a historical nature. Both state and national Bicentennial symbols may be used by departments in their publications during the year.

## Summer Programs

Two summer programs sponsored by the National Science Foundation will be offered at the University this summer for students interested in environmental research.

The Department of Civil Engineering will offer a tuition-free Student Science Training Program in environmental health engineering for area high school students entering their senior year. The program will investigate the urban pollution problem produced when combined sewers and storm waters are discharged into rivers and will attempt to involve students directly in the approaches used for engineering and scientific investigation. Participants will be on campus from 8 a.m. to 5 p.m. Monday through Friday from June 14-July 23. The project will be taught by civil engineering professors Lloyd H. Ketchum, project director, and Robert L. Irvine.

A second program, in the Department of Aerospace and Mechanical Engineering, will be offered for college students attending either Notre Dame or other educational institutions during the regular academic year. The 10-week Undergraduate Research Participation Program is open to engineering or science sophomores and juniors who are interested in conducting independent research in energy-related fields. Each student participant will receive a tax-free stipend of \$900 for the program which begins June 7 and ends Aug. 11. Interested students should contact Prof. Ketchum for the civil engineering program; Prof. K.T. Yang for the program in the Department of Aerospace and Mechanical Engineering.

## ND-SMC Co-exchange Program

Saint Mary's College and the University of Notre Dame have agreed to continue their student co-exchange program for the academic year 1976-77, according to a joint statement signed by John M. Duggan, president of Saint Mary's and Rev. James T. Burtchaell, C.S.C., provost of Notre Dame.

The agreement retains features first adopted in 1972-73 and including a ceiling quota of 3,000 hours at each institution. The student co-exchange between the neighboring institutions was started in 1965.

## Memorial Library Vacation Hours

Memorial Library hours for the Easter holiday are:

Thursday, April 15	1st and 2nd floors	8 a.m. - 5 p.m.
	Tower	8 a.m. -10 p.m.
Good Friday, April 16	Building closed	
Saturday, April 17	1st and 2nd Floors	8 a.m. - 5 p.m.
	Tower	8 a.m. -10 p.m.
Easter Sunday, April 18	Building Closed	
Monday, April 19	Libraries return to regular schedule.	

## WNDU Cooperation Plan

WNDU Radio and Television, commercial broadcast facilities with studios on the campus and owned by Notre Dame through a separate corporation, have recently announced a strengthening of educational ties with the University. "The WNDU stations will be assuming the responsibility of both classroom instruction and direction of individual internships on a more structured basis than in the past," according to W. Thomas Hamilton, president and general manager. The stations' educational endeavor will be under the direction of Harry Kevorkian, director of news and public affairs for WNDU, who will teach a course in telecommunications this summer, and a similar course is being planned for next fall. The courses will be within the Program of American Studies.

## Day Care Center

The Early Childhood Development Center may offer full or part-time programs either during the Notre Dame Summer Session or perhaps during the entire summer if there is sufficient interest and need, according to the center's director Terri Kosik. The center at Saint Mary's College provides programs for children aged 3 through 8. For further information, call Mrs. Kosik at 284-4150.

# faculty notes

## Honors

William E. Biles, associate professor of aerospace and mechanical engineering, has been appointed director-elect for 1976-77 for the Operations Research Division of the American Institute of Industrial Engineers (AIIE).

Jay P. Dolan, assistant professor of history, recently was awarded a research grant from the Word of God Institute in Washington, D.C. to complete a study on American Catholic revival religion.

Astrik L. Gabriel, director of the Frank M. Folsom Ambrosiana Microfilm and Photographic Collection, has been appointed an officer in the Order of the Legion of Honor by Valery Giscard d'Estaing, president of France.

Moses R. Johnson, assistant professor of psychology, has been awarded a grant from the O'Brien Fund for the study of ameliorative skills in families of persons with intellectual and behavioral deficiencies.

Edward W. Krause, director of athletics, will be inducted into the National Basketball Hall of Fame in Springfield, Massachusetts on April 26.

John Lyon, Chairman of the General Program of Liberal Studies, has been appointed a Fellow of the Institute for Ecumenical and Cultural Research, St. John's University, Collegeville, Minnesota for the summer of 1976.

James L. Massey, Freimann Professor of Electrical Engineering, has been appointed to a three-year term on the visiting committee for the Department of Electrical Engineering of Lehigh University in Bethlehem, Pennsylvania.

Rev. Edward O'Connor, C.S.C., associate professor of theology, has been named a contributing editor of the quarterly, *The Catholic Charismatic*, to be published by Paulist Press beginning this spring.

## Activities

Francis X. Beytagh, Jr., professor of law, gave the commencement address March 19 at the University of Toledo, Ohio.

Jay P. Dolan, assistant professor of history, delivered a paper on "American Religion: A Catholic Perspective" at the annual meeting of the Religious Studies group of the Michigan Academy of Science, Arts and Letters at Michigan State University on March 19.

Michael L. Doria, assistant professor of aerospace and mechanical engineering, presented a seminar at the University of Delaware on March 26 entitled "A Numerical Model for the Prediction of the Fire Environment in a Room or Corridor."

Dennis J. Dugan, associate professor of economics, currently on leave-of-absence at the United States General Accounting Office in Washington, D.C., testified Jan. 15 before the Subcommittee on Energy and Power of the House Interstate and Foreign Commerce Committee concerning, "The Implications of Deregulation the Price of Natural Gas."

Msgr. John J. Egan, director of the Center for Pastoral and Social Ministry, spoke in a lecture series for the Office of Religious Education, Archdiocese of Cincinnati, at McAuley High School March 16 on the topic, "Church Belongs to the Laity." He also served as a panelist in a forum on "Chicago Church and Social Justice" at Niles College (Seminary) in Chicago, March 18. Msgr. Egan served as a resource person for a seminar in Washington, D.C. April 7-8 on "Decent Neighborhoods and Communities: A Challenge for the Church."

Philip Gleason, professor of history, presented a paper on "The First Century of Jesuit Higher Education in the United States, an Overview" at the Spring meeting of the American Catholic Historical Association held at the University of Dayton on March 27. Professor Gleason also acted as chairman of a session dealing with "American Social History" at the same meeting.

Edward A. Goerner, professor of government, delivered a paper titled "Prolegomena to the Study of Aristocracy" at the Chicago convening of the Conference for the Study of Political Thought on March 1.

W.J. Heisler, assistant professor of management, presented a paper entitled "Management and Executive Development Trends in the Federal Service" at the Eighteenth Annual Meeting of the Southwest Academy of Management in San Antonio, Texas, March 18-19.

Moses R. Johnson, assistant professor of psychology, served during March as a member of the Ad Hoc Screening Committee of the American Society of Civil Engineers Pre-Engineering Summer Program for Minority Students.

Stephen D. Kertesz, professor emeritus of government and international studies, delivered a Bicentennial Observance lecture March 3 at the School of Humanities at Purdue University, North Central Campus, on "American Foreign Policy in Historical Perspective, 1945-1975."

Karl M. Kronstein, associate professor of mathematics, gave an invited address at the Twelfth Denison Conference on Combinatorics, Group Theory and Algebraic Number Theory at Denison University in Granville, Ohio, March 18-20. His topic was "The double bar map - modular representation theory."

John L. Magee, professor of chemistry, presented a seminar on March 19 at Marquette University, Milwaukee, entitled "The Early Events of Radiation Chemistry."

James L. Massey, Freimann Professor of Electrical Engineering, gave an invited lecture on "An Overview of Coding Theory" at the American Mathematical Society meeting in Urbana, Illinois, March 19. He participated in the meeting of the Scientific Advisory Group for the Defense Communication Agency in Arlington, Virginia, March 1-2 and served as panelist at the Feb. 26-27 meeting of the Advisory Panel for Electrical Science and Analysis in the Division of Engineering of the National Science Foundation in Washington, D.C.

Ralph McInerny, professor of philosophy, was Carnegie Visiting Professor at St. Michael's College in Win- ooski, Vermont, April 5-6. He delivered two lectures: "When is a Value a Moral Value?" and "From Formalism to Naturalism in Ethics."

Rev. Edward O'Connor, C.S.C., associate professor of theology, lectured on "The significance of the charismatic renewal movement" at Holy Cross High School, River Grove, Illinois on Feb. 17; on "The significance of Satan" at Aquinas College, Grand Rapids, Michigan on Feb. 12 and on "The Church as a charismatic community" at Elwood, Indiana on March 7. He also spoke April 4 on "The Church as a charismatic community," in Springfield, Illinois.

Brother Leo V. Ryan, C.S.V., dean of the College of Business Administration, joined a group of educators at a White House Conference March 23-24 to explore new areas of cooperation between government agencies and business colleges

Anthony M. Trozzolo, Huisking Professor of Chemistry, delivered the Sigma Xi lecture on "Singlet Molecular Oxygen in Photobiology" at Bowling Green State University in Ohio, Jan. 29. Trozzolo also presented a Chemistry Colloquium lecture on "Solid-State Photochromism" Jan. 30 at Bowling Green and conducted a chemistry department seminar on "Photochromism" Feb. 18 at Indiana University at South Bend.

## Deaths

Rev. Thomas A. Kelly, C.S.C., '74, former professor of classics at Notre Dame, died March 18 in Portland, Oregon.

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# office of advanced studies

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## Special Notice

### Faculty Research Fund

The University Committee on Research and Sponsored Programs announces the awards made for 1975-76.

Donald W. Kline, Department of Psychology.  
The Effects of Activation as an Aid to  
Improved Perceptual Performance in Young  
and Old Adults. \$1,500.

Charles R. Crowell, Department of Psychology.  
Is Tolerance to the Effects of Alcohol  
Learned? \$1,400.

Pratul K. Ajmera and Carl J. Magee, Depart-  
ment of Electrical Engineering. Growth  
of Thin Films of III-V Compound Semi-  
conductors. \$2,400.

Terry W. Sturn, Department of Civil Engi-  
neering. Adapting a Computer Model of  
Thermally-Induced Density Currents to the  
Field Design of Cooling Ponds. \$1,000.

James L. Wittenbach and David R. Campbell,  
Department of Accountancy. A Pilot Project  
Proposal on the Topic of Internal Busi-  
ness Liquidity. \$2,000.

Animesh Ghoshal and Thomas Patrick, Depart-  
ment of Finance and Business Economics.  
International Implications of the Green  
Revolution. \$1,500.

William J. Heisler, Department of Management.  
Determinants of Job Satisfaction among  
Church and Secular University Faculty.  
\$750.

Lawrence C. Marsh and Mary E. Scovill, De-  
partment of Economics. The Effect of the  
Tax Structure on the Labor Supply of  
Married Women. \$1,000.

James B. Stewart, Department of Economics.  
W.E.B. DuBois and the Methodology of  
Black Studies. \$1,000.

Walter R. Davis, Department of English. The  
Ripley Scroll. \$500.

Sean V. Golden, Department of English. Role  
of Irish Music in Irish Literature. \$1,250.

Paul Mellema, Department of Philosophy. Ped-  
agogical Training for Graduate Students in  
the Humanities. \$700.

The chairman of the UCRSP Review Panel, Prof.  
James P. Kohn, noted that the panel received  
a record number of forty-eight (48) proposals  
for review.

## Information Circular

### The Association of Voluntary Action Scholars (AVAS)

No. FY76-66

The Association of Voluntary Action Scholars  
(AVAS) is a professional and scholarly asso-  
ciation for all those who are concerned with  
better understanding of citizen involvement  
and volunteer participation.

The Research Task Force of the Alliance for  
Volunteerism, Inc. (a coalition of eleven  
national volunteer organizations, with ini-  
tial funding support from the Lilly Endow-  
ment) expects this year to allocate signifi-  
cant funds for research on voluntary action.  
This Task Force is seeking the potential  
participation of as many interested re-  
searchers as possible.

Areas of interest include research on any  
such topics as voluntary action, volunteer-  
ing, volunteer programs, voluntary associa-  
tions, citizen participation, social move-  
ments, non profit citizen groups, altruism  
and helping behavior, pressure or interest  
groups, non-market activity, community or-  
ganization, political participation, reli-  
gious groups and sects, public interest  
groups, etc.

Open to faculty members and graduate stu-  
dents.



For further information, contact the Office of Advanced Studies, Extension 7378. Application forms are available in the Office of Advanced Studies.

**National Science Foundation  
Committee on the Challenges of Modern  
Society Fellowship Program 1976  
Public Policy in Relation  
to Natural and Social Environment**

No. FY76-67

The Fellowship Program of the NATO Committee on the Challenges of Modern Society (CCMS) is designed to stimulate serious study of public policy in relation to natural and social environment. The fellowships are aimed at helping scholars increase their skills and knowledge in the field and at disseminating this knowledge through published reports where appropriate, of the work resulting from their studies. They are also designed to contribute to the training of promising individuals for national or international positions in fields which involve formulation of public policy with respect to problems of modern societies. Furthermore, an additional objective of the program is to seek ideas for possible new pilot studies within the CCMS.

Fellowship grants are available through open competition to any national of NATO member countries for studies requiring a period of work for six and not more than twelve months. As a general rule, applicants must hold a degree equivalent to the first degree offered at the university level. Normally, graduate work would be expected in order to qualify for a grant, but this requirement may be waived for exceptional candidates. Each applicant is required to submit an application which, in addition to providing relevant biographic information, should contain an outline of his proposed study. This prospectus should describe in comprehensive terms the aims, methods, and source materials for the study. The proposed work shall consist of original study or research not previously undertaken or published. As stated, one of the objectives of the program is to seek ideas for new pilot studies; however fellowship studies may also be related to work underway in CCMS. Studies should preferably have relevance beyond a single country and may be comparative. Proposals dealing with the purely scientific or technical aspects of environmental problems will generally not be taken into consideration. They shall, where applicable, provide recommendations for improvement in programs or institutions in the subject field. For the purpose of guidance, the Committee has selected the following topics for the 1976 competition:

- (i) Selected aspects of noise abatement
- (ii) Waste recycling and protection of natural resources
- (iii) Problems related to implementation of national environmental policies at local level
- (iv) Chemical pollution
- (v) Quality of drinking water

Applications should be sent before April 30, 1976. For further information, contact the Office of Advanced Studies, Extension 7378.

**Resources for the Future  
Research Proposals in the Field  
of Natural Resources**

No. FY76-68

Resources for the Future funds basic and applied research projects concerned with natural resources, land, water, air and minerals, usually in the context of the social sciences, rather than the natural sciences. Projects are funded that, when completed, offer solutions to the problems surrounding natural resources.

Research in the following areas is supported:

- Research that might have as a dual objective the solution of an important environmental problem as well as enhancing the professional capacity of the faculty.
- Quality of the Environment Program. Studies are funded that examine existing institutions or propose new ones to safeguard the environment. The foundation is also concerned with economic growth in the face of limited natural resources.
- Natural Environments Program. Here the focus is the proper utilization of forests, wilderness areas, wild rivers and streams, and whether their resources should be used for human needs or whether they should be maintained as natural preserves.
- Water Resources Program. The foundation encourages studies of the allocation of the water supply and whether the existing supply will be able to meet the needs of society.
- Land Use and Management Program. The foundation stresses the social and economic problems concerning land use, both in the United States and overseas.
- Energy and Minerals Program. Studies are funded that explore untapped sources of energy and minerals, and then show how they can be used to aid society.



- Regional and Urban Studies Program. The foundation deals with the problem of resource distribution in urban areas. Studies are funded that explore the resource needs of urban areas in relation to such factors as population and geographic size.

- The foundation also supports and conducts conferences and seminars to promote an interchange of ideas and research results among people working in the field of natural resources.

In general, the foundation's concern is with the broad area of man's relationship to his natural environment. Specific fields of interest embrace the basic resources of land, water, minerals, and air, and goods and services derived from them. Special attention is paid to maintaining or improving environmental quality, including the relationship of population and economic growth to the environment and resource use in general. Urban problems are an important area of study because of their direct impact on the environment and their influence on land use and on the demand for many kinds of resource products.

Most of the research supported by Resources for the Future has consisted of scientific analyses of resource situations and prospects within a societal framework, especially in the fields of economics, politics, science and management.

In much of its research the foundation draws upon the work of scientists and engineers, especially in assessing the effects of technological changes on patterns of demand and supply and on the quality of water, air and landscape, and in weighing alternative ways of coping with resource problems.

For further information, contact the Office of Advanced Studies, Extension 7378.

## Current Publications And Other Scholarly Works

ARTS AND LETTERS  
HUMANISTIC AND SOCIAL STUDIES

### American Studies

- Schlereth, Thomas J.  
T.J. Schlereth. 1976. Benjamin Rush. Pages 33-39 in, J.P. Dolan, ed. *The Heritage of Seventy-Six*. University of Notre Dame Press, Notre Dame, Indiana  
T.J. Schlereth. 1976. *The University of Notre Dame: A Portrait of Its History and Campus*. University of Notre Dame Press, Notre Dame, Indiana. 272 pp.

### English

- Martin, Leslie H.  
L.H. Martin. 1975. All for love and Milenarian Tradition. *Comparative Literature* 27(4):289-306.

### History

- Kerby, Robert L.  
R.L. Kerby. 1975. The American Byzantine Church: A history of opportunity. *Sophia* 4(4):3-7.  
R.L. Kerby. 1976. The American Byzantine Church: A history of opportunity. *Sophia* 5(1):5-7.

### Modern and Classical Languages

- Anadón, José  
J. Anadón. 1975. La "Restauración de La Imperial" de Barrenechea y Albis. *Anuario de Letras* (Mexico, D.F. Universidad Nacional Autónoma de México) 25:274-285.

### Sociology and Anthropology

- Liu, William T.  
W.T. Liu. 1975. The Cebu Family Health Project some unpublished methodological notes. *Philippine Quarterly of Culture and Society* 3(2-3):73-89.  
R.W. Duff and W.T. Liu. 1975. The significance of heterophilous structure in communication flows. *Philippine Quarterly of Culture and Society* 3(2-3):159-175.  
W.T. Liu, S. Fu-Chin, A.J. Rubel, and V. Pato. 1975. Pregnancy and childbirth in Cebu: Implications for public health. *Philippine Quarterly of Culture and Society* 3(2-3):176-191.

### Theology

- O'Connor, CSC, Edward D.  
E.D. O'Connor, CSC. 1976. Roots of the charismatic renewal in the Roman Catholic Church. Pages 169-171 in, V. Synan, ed. *Aspects of Pentecostal-Charismatic*. Logos, Plainfield, New Jersey.

### SCIENCE

#### Chemistry

- Basu, Subhash C.  
S.C. Basu. 1976. Specificity and reversibility of interferon ganglioside interaction. *Nature* 259:576-578.  
Castellino, Francis J.  
G.H. Barlow, R. Finley, and F.J. Castellino. 1976. Immunological comparison of native streptokinase with streptokinase fragments. *Thrombosis Research* 8(2):237-242.  
Funabashi, Paul K.  
\*P.K. Funabashi and B.N. Rao. 1976. Field-dependent mobility in liquid hydrocarbons. *Journal of Chemical Physics* 64(4):1561-1563.  
Pasto, Daniel J.  
D.J. Pasto and B. Lepaske. 1976. The measurement and interpretation of hydrogen-tritium kinetic isotope effects in borane and borohydride reductions of ketones. Implications on steric approach

control vs. product development control.  
Journal of the American Chemical Society  
98:1091-1095.

Thomas, J. Kerry

\*D.J.W. Barber, D.A.N. Morris, and J.K. Thomas. 1976. Laser induced photoionization in lipid aggregates. Chemical Physics Letters 37(3):481-484.

Winicur, Daniel H.

\*D.H. Winicur, J.L. Fraites, and J. Bentley. 1976. Electronic-energy exchange cross sections for  $\text{Ar}^*(^3\text{P})$  and  $\text{Kr}(^1\text{S})$ . Journal of Chemical Physics 64(4):1724-1732.

\*D.H. Winicur, J.L. Fraites, and J. Bentley. 1976. Low-energy differential elastic scattering of  $\text{Ne}^*(^3\text{P})$  by  $\text{Kr}(^1\text{S})$ . Journal of Chemical Physics 64(4):1757-1761.

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\* Under the Radiation Laboratory  
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### Physics

Blackstead, Howard A.

M. Akhavan and H.A. Blackstead. 1976. Magnetoresistance and field-induced phase transitions in the helical and conical states of holmium. Physical Review B13:1209-1215.

Browne, Cornelius P.

J.F. Mateja, G.F. Neal, J.D. Goss, P.R. Chagnon and C.P. Browne. 1976. Low-lying levels of  $^{57}\text{Mn}$  from the  $^{54}\text{Cr}(a,p)$  reaction. Physical Review C13:118-123.

Chagnon, Paul R.

G.F. Neal and P.R. Chagnon. 1976. Lifetimes of  $^{55}\text{Co}$  excited levels. Physical Review C13:614-619.

J.F. Mateja, G.F. Neal, J.D. Goss, P.R. Chagnon and C.P. Browne. 1976. Low-lying levels of  $^{57}\text{Mn}$  from the  $^{54}\text{Cr}(a,p)$  reaction. Physical Review C13:118-123.

Darden, Sperry E.

S.E. Darden, W.A. Yoh, H.R. Weller and R.A. Blue. 1976.  $^{14}\text{C}(d,t)^{13}\text{C}$  reaction-cross-section and analyzing-power measurements at 14 MeV. Physical Review C13:38-42.

Goss, John D.

J.F. Mateja, G.F. Neal, J.D. Goss P.R. Chagnon and C.P. Browne. 1976. Low-lying levels of  $^{57}\text{Mn}$  from the  $^{54}\text{Cr}(a,p)$  reaction. Physical Review C13:118-123.

McGlinn, William D.

W.D. McGlinn. 1975.  $\text{SU}(4)$ -symmetric strong-coupling theory. Physical Review D12:3246-3250.

Rey, Charles A.

C.A. Rey, R.J. Cence, B.D. Jones, S.I. Parker, V.Z. Peterson, V.J. Stenger, R.W. Kenney, I.R. Linscott, and W.P. Oliver. 1976. Measurement of the CP-non-conserving decay,  $K^0 \rightarrow 2\pi^0$ . Physical Review D13:1161.

### ENGINEERING

#### Aerospace and Mechanical Engineering

Ariman, Teoman

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## Closing Dates for Selected Sponsored Programs

Proposals must be submitted to the Office of Research and Sponsored Programs ten days prior to the deadline dates listed below.

Agency	Programs	Application Closing Dates		
Administration on Aging	Research and Development in the Field of Aging	May	15,	1976
International Research and Exchanges Board	Ad Hoc Grants to Promote New Exchanges	May	31,	1976
International Research and Exchanges Board	Special USSR Travel Grants in the Contemporary Social Sciences	May	31,	1976
National Endowment for the Humanities	Fellowships for Independent Study and Research	May	24,	1976
National Endowment for the Humanities	Public Programs	May	17,	1976
National Science Foundation	Earth Sciences Proposals	May	15,	1976
Office of Education	Veterans Cost-of-Instruction Payments	May	17,	1976

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# documentation

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## Corrections

In the minutes of the 167th Meeting of the Graduate Council printed in Notre Dame Report #14, two phrases were omitted under section IV, The Report of the Review Committee for the Graduate Program in Philosophy, p. 329. The paragraphs concerned follow, with material originally omitted underlined:

Father Botzum and Prof. Thomas Werge, local members of the University Philosophy Review Committee, found both the external review and the department's response overall constructive and positive. However, the departmental response to the external reviewers' recommendation to deemphasize and reschedule the department's awesome comprehensives did not, in the Botzum-Werge account, receive the attention they thought it deserved.

In response Prof. Vaughn McKim, director of Graduate Studies in Philosophy, confirmed the Botzum-Werge impression that the department did not seem to give this recommendation the attention it might seem to deserve. This appearance, in the first instance, results from a time factor. The department is in the process of restructuring the program and procedures for a projected five year period. In this perspective, it is still too early to delineate more sharply the place and weight of the comprehensives in the new program. More fundamentally, however, the reviewers' recommendations vis-a-vis the role, place and weight of the comprehensives are seen as "atypical" by the department especially in the current scene where an earlier tendency in some circles to diminish formal examination requirements has all but spent itself. The department, in short, far from "slipping over" the external reviewers' recommendations in this regard has weighed them and will benefit from them, consistently with its own and others' experience with the comprehensives.

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In the Minutes of the Academic Council Meeting of Feb. 23, 1976, published in Notre Dame Report #13, the entire section from the top of p. 299 to Discussion, should be deleted.

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Teresa A. Castle, Editor  
Printing and Publications Office, 415 Administration Building  
Notre Dame, Indiana 46556  
219:283-1234

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