

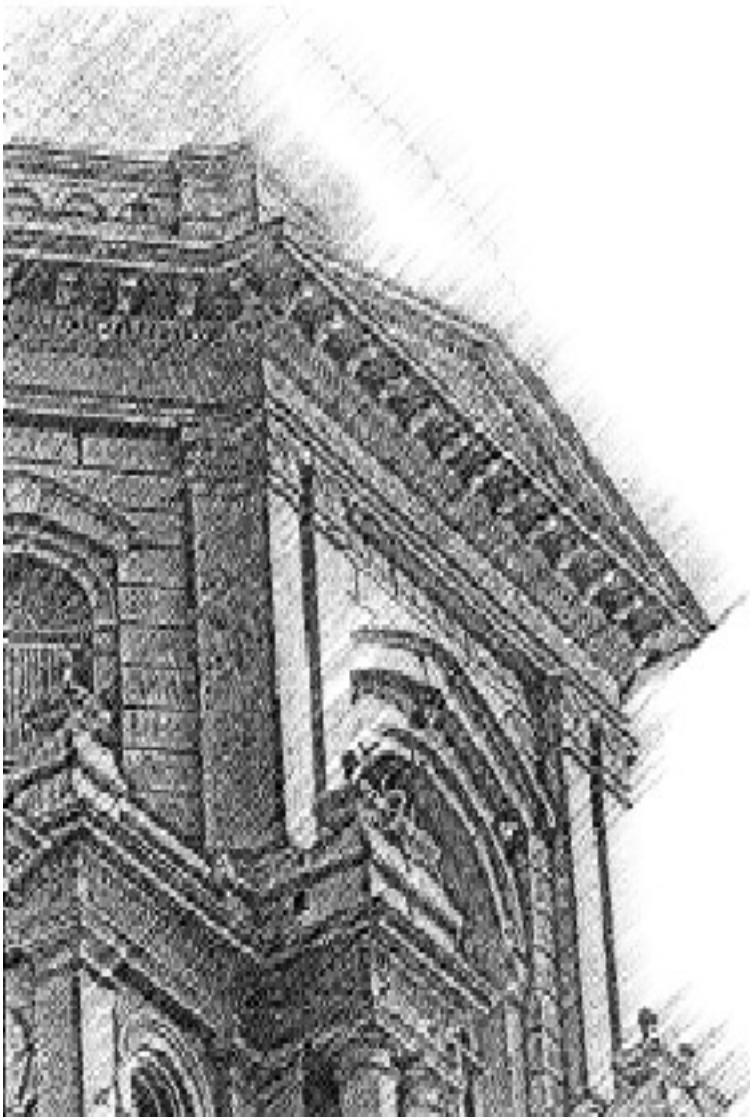
Notre Dame Report

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SEPTEMBER 23, 2005

N U M B E R 2

Faculty Notes

Honors

J. Douglas Archer, librarian, was elected to the board of directors of the Peace and Justice Studies Association.

Katharina J. Blacksted, librarian, was appointed to the Program Committee of the Library Administration and Management Association, for a two-year term beginning July 2005.

Kevin J. Christiano, associate professor of sociology, was named to the editorial board of *Social Compass: International Review of Sociology of Religion*.

Daniel J. Myers, professor of sociology and Kroc Institute fellow, was awarded "Best Published Article" by the American Sociological Association, Section on Collective Behavior and Social Movements, for: Myers, Daniel J. and Beth Schaefer Caniglia. 2004. "All the Rioting That's Fit to Print: Selection Effects in National Newspaper Coverage of Civil Disorders, 1968–1969." *American Sociological Review* 69, No. 4 (2005): 519–43.

Activities

Mark S. Alber, professor of mathematics and concurrent professor of physics, presented an invited talk titled "On Three-Dimensional Modeling of Myxobacteria Aggregation and Morphogenesis" at the "97th Statistical Mechanics Meeting," Rutgers Univ., May 15; and invited talks titled "A Three-Dimensional Stochastic Model of Myxobacteria Fruiting Body Formation" and "On Multiscale Approaches to Three-Dimensional Modeling of Morphogenesis" at the "European Conference on Mathematical and Theoretical Biology," Dresden Univ. of Technology (Germany), July 18–22.

David Bartels, professional specialist in the Radiation Laboratory, presented "Neutron

and Beta/Gamma Radiolysis of Supercritical Water" at the "Information Exchange Meeting for Supercritical Water Cooled Reactors," Madison, Wisc., Aug. 15–26.

Joseph P. Bauer, professor of law, gave an invited presentation on "The Scope of Preemption of State Law Claims by the Copyright Act of 1976 and the Federal Copyright Regime" at the "Intellectual Property Scholars Conference" held at Benjamin Cardozo School of Law in New York on Aug. 12.

Katharina J. Blackstead, librarian, presented "Charting the Future: Developing Library Capital Campaign Priorities" at the annual "Conference of Development Officers of Research and Academic Libraries" at Columbia Univ., New York, June 16.

Ian Carmichael, director of the Radiation Laboratory and professor of chemistry and biochemistry, presented "Hyperfine Coupling in Muonium-Containing Radicals" (coauthor S.L. Thomas) at the "Tenth International Conference on Muon Spin Rotation, Relaxation and Resonance," Oxford, England, Aug. 8–12.

Kevin J. Christiano, associate professor of sociology, served as invited panelist in the didactic session on research methods, "The Art and Craft of Researching Religion," for the annual meeting of the Association for the Sociology of Religion, Aug. 14, where he was chair and discussant in the regular program session on "The Local Church in an Episcopal Polity" on Aug. 15.

Paul M. Cobb, associate professor of history and fellow of the Medieval Institute, organized and presided over a two-day international round-table on "Umayyad Legacies/*Héritages Omeyyades*" at the Univ. of Notre Dame, July 22–23.

Norman Crowe, professor of architecture, served on the annual design jury for *Building Design and Construction Journal*, to select winners of awards for completed buildings with the focus on restoration, conservation, and re-adaptation, in Chicago, Aug. 4.

John Duffy, assistant professor of English and acting director of the University Writing Program, presented "Recalling the Letter: The Power of Oral Testimony in Histories of Literacy" at the "Twelfth International Conference on Learning," Faculty of Educational Sciences, Univ. of Granada, Spain, July 11–14.

William G. Dwyer, the Hank Professor of Mathematics, was an invited participant in the workshop on topology held at the Banff International Research Station, Alberta, where, on Aug. 29, he presented "Duality in Algebra and Topology."

Leonid Faybusovich, professor of mathematics, presented the invited talk titled "Jordan-Algebraic Approach to Convexity Theorems for Quadratic Mappings" at Tokyo Univ., July 20.

Alexander Hahn, professor of mathematics and director of the Kaneb Center, presented the plenary lecture titled "Quadratic Forms over \mathbb{Z} : from Diophantus to the 290 Conjecture" on May 25, and chaired the session titled "*Geometrie Differentielle et Geometrie Spinorielle*" on May 26, both at the "7th International Conference on Clifford Algebras and Their Applications," held May 21–29 in Toulouse; presented "*Quadratische Formen ueber \mathbb{Z} : von Diophant zur 290 Vermutung*" at the colloquium of the Mathematisches Institut of the Univ. of Innsbruck, June 2; and served as an on-site reviewer of a five-year mathematics/science/technology partnership project funded by the NSF and led by Hunter College, Aug. 8–10.

Bei Hu, professor of mathematics, presented invited talks titled "How Nematode Sperm Moves" at the international conference on "Nonlinear Partial Differential Equations and Their Applications" at Putian, Fujian Province, China, June 18; "A Free Boundary Problem Modeling Cancer Growth" at the PDE seminar at Tongji Univ., Shanghai, June 14; "A Free Boundary Problem Modeling Cancer Growth" at the seminar on "Partial Differential Equations and Their Applications" at Xi'an Jiaotong Univ., China, June 5; "Liapounov-Schmidt and Hopf Bifurcations for a Free Boundary Problem Modeling Cancer Growth" at the PDE seminar at National Taiwan Normal Univ., Taipei, April 19; and "How Nematode Sperm Moves" at National Taiwan Normal Univ., Taipei, April 13.

Prashant V. Kamat, professional specialist in the Radiation Laboratory and concurrent professor of chemical and biomolecular engineering, presented “Luminescent Semiconductor Nanostructures as Smart Materials: Simultaneous Detection and Degradation of Organic Contaminants,” written with V. Subramanian, at the “Fluorescence Workshop,” Univ. of Melbourne, July 22; and two invited talks at the “XXIIth International Conference on Photochemistry,” Queensland, Australia, July 24–29: “Photoinduced Charge Separation in Chromophore Functionalized Metal Nanoparticles” and “Organic-Inorganic Hybrid Nanostructures for Next Generation Solar Cells.”

Xiaobo Liu, associate professor of mathematics, presented the invited talk “Tautological Ring of Moduli Space of Curves” at Tsinghua Univ., Beijing, on July 7, and also at Academia Sinica on July 13.

Keith P. Madden, associate professional specialist in the Radiation Laboratory, presented a poster titled “The Radiation Chemistry of Nitramine in Aqueous Solution: An EPR/Spin Trapping Study” (with S. Mezyk) at the “28th International EPR Symposium,” Denver, July 31 through Aug. 4.

Julia Marvin, associate professor in the Program of Liberal Studies and fellow of the Medieval Institute, presented “The Representation of Rape in the Anglo-Norman Prose *Brut*” at the “Fortieth International Congress on Medieval Studies,” Western Michigan Univ., May 5–8; “The Praemonstratensian Chronicles of Barlings and Hagney: An Update,” and “M.R. James, the *Scalacronica*, and the Anglo-Norman Prose *Brut* Chronicle: A Ghost Story” at the “Ninth Biennial Conference of the Early Book Society,” Queen’s Univ., Belfast, July 3–7; “The Strong Women of the Anglo-Norman Prose *Brut*,” at the fourth conference, “The Medieval Chronicle,” Univ. of Reading (England), July 15–19; and “The Arthur of the Oldest Anglo-Norman Prose *Brut* Chronicle,” at the “Twenty-First Triennial Conference of the International Arthurian Society,” Univ. of Utrecht, July 24–31.

Elizabeth Forbis Mazurek, associate professor in the Dept. of Classics, presented “The Judgment of Paris in Ovid’s *Ars Amatoria*” at the 101st annual meeting of the

Classical Association of the Middle West and South, at the Univ. of Wisconsin, Madison, Mar. 31.

Orlando Menes, assistant professor of English, presented poetry readings at the “American Library Association Conference,” Chicago, June 25; “Printers Row Bookfair,” Chicago, June 11; “*Los Angeles Times* Festival of Books,” Univ. of California at Los Angeles, April 23; and, with a panel discussion, “Milkweed Editions’ 25th Anniversary Celebration” at the “Associated Writing Programs Conference,” Vancouver, BC, April 1. He gave a radio interview for the “Eight Forty-Eight Show,” Chicago Public Radio, Aug. 9.

Juan Migliore, professor of mathematics, served as the external examiner for a PhD thesis defense at Queen’s Univ., Kingston, Ontario, on Aug. 9.

Tonia Murphy, assistant professional specialist in the Dept. of Accountancy, moderated an academic session on bankruptcy law reforms at the annual meeting of the Academy of Legal Studies in Business in San Francisco, Aug. 3–6.

Rev. Ronald Nuzzi, director, ACE Leadership Program, presented “The Spirituality of Teaching,” for the faculty of Archbishop Hoban High School, Akron, Ohio, Aug. 16; “Why a Catholic Education Matters: 10 Research-Based Reasons for Catholic Schools” to teachers and administrators of the Diocese of Joliet, Ill., Aug. 18; the keynote address titled “Gifts of the Spirit: Multiple Intelligence Theory in Catholic Education” to the Minnesota Catholic Education Association annual convention, St. Cloud, Aug. 25; “Teaching As Ministry” to teachers in the Diocese of Green Bay, Wisc., Aug. 29; and “Multiple Intelligence Theory in Faith Formation Programs” to teachers and catechists in the Archdiocese of Dubuque, Cedar Rapids, Aug. 31.

Robert P. Sedlack, assistant professor of design, delivered an invited lecture titled “Looking Good: the Product and Process of Visual Identity Systems” in the Marketing Dept. at Singapore Management Univ., May 19.

Andrew J. Sommese, the Duncan Professor of Mathematics, gave a plenary talk titled “Exceptional Sets and Fiber Products” at

the “Workshop on Geometry and Symmetry in Numerical Computation” held Aug. 8–10 at Colorado State Univ. in Fort Collins.

Duncan Stroik, associate professor of architecture, presented “Church as *Domus Dei*” at St. Mark Church in Charlotte, N.C. in January; “Architecture and Faith” at Holy Cross College in February; “On Liturgical and Architectural Design” at the Liturgical Institute, Mundelein Seminary, Chicago, in March; “Architecture of Journey” and the “Sacred Place” at the Gateway conference in St. Louis, April 7–8; and “A Building that Teaches” at St. Vincent Archabbey in Latrobe, Penn., on April 11.

Julia Adeney Thomas, associate professor of history, presented “Landscape’s Mediation between History and Memory: A Visual Turn in Japan’s Approach to Its Wartime Past” on Aug. 29 as the keynote address at the “Memory and Identity” conference at the Univ. of Oslo, Norway.

M. Katherine Tillman, professor in the Program of Liberal Studies, presented a plenary session address titled “The Laity as Conscience of the Church” at the “National Newman Conference,” Villanova Univ., July 21.

Michael Wiescher, the Freimann Professor of Physics, presented “Stellar Neutron Sources for the s-Process” at the “Aspen Workshop on the Physics of the s-Process,” Center for Physics, May 29 through June 12; “JINA, Achievements and Accomplishments” at the NSF PFC directors’ meeting, Washington, DC, July 6; and “Nucleosynthesis—The Origin of the Elements” at the “Gordon Conference,” Maine, July 12.

Publications

Anatolijs Afanasjev, research assistant professor of physics, published “Pycnonuclear Reaction Rates between Neutron-Rich Nuclei” with **Michael Wiescher**, the Freimann Professor of Physics, et al., *Nuclear Physics A* 758 (2005): 134c–7c.

Mark S. Alber, professor of mathematics and concurrent professor of physics, published “A Three-Dimensional Model of Myxobacterial Aggregation by Contact-Mediated Interactions” with O. Sozinova,

- Y. Jiang, and D. Kaiser, *Proc. Natl. Acad. Sci. USA* 102, No.32 (2005): 11308–12; “Existence of Solutions to a New Model of Biological Pattern Formation” with B. Kazmierczak, H.G.E. Hentschel, and S.A. Newman, *Journal of Mathematical Analysis and Applications* 308, No. 1 (2005): 175–94; “Stability of n-Dimensional Patterns in a Generalized Turing System: Implications for Biological Pattern Formation” with T. Glimm, H.G.E. Hentschel, and B. Kazmierczak, *Nonlinearity* 18 (2005): 125–38; “A Framework for Three-Dimensional Simulation of Morphogenesis” with **Jesus A. Izaguirre**, associate professor of computer science and engineering, et al., *IEEE/ACM Transactions on Computational Biology and Bioinformatics* 2, No. 3 (2005): 1545–5963; and “Agent-Based Modeling of the Context Dependency in T Cell Recognition” with A. Casal, et al., *Journal of Theoretical Biology* 236 (2005): 376–91.
- J. Douglas Archer**, librarian, published “Information Tips and Sources: News ... and How to Find It on the Web” for *The Peace Chronicle: the Newsletter of the Peace and Justice Studies Association* (August): 12–13.
- Gail Bederman**, associate professor of history, published “Revisiting Nashoba: Slavery Utopia and Frances Wright in America, 1818–1826” in *American Literary History* 17, No. 3 (fall): 438–59.
- Ian Carmichael**, professor of chemistry and biochemistry and director of the Radiation Laboratory, published “Geminal $^2J_{\text{CCH}}$ Spin-Spin Coupling Constants as Probes of the ϕ Glycosidic Torsion Angle in Oligosaccharides” with T.E. Klepach and **Anthony S. Serianni**, professor of chemistry and biochemistry, *J. Am. Chem. Soc.* 127, No. 27 (2005): 9781–93.
- Robert R. Coleman**, associate professor of art history, published the catalogue entry, “Simone Peterzano: The Entombment with Saint Veronica,” in *Disegno, giudizio e bella maniera: Studi sul disegno italiano in onore di Catherine Monbeig Goguel*, edited by P. Costamagna, F. Härb, and S.P. Valenti Rodino (Milan: SilvanaEditoriale, 2005): 102, Cat. No. 53.
- Bernard Doering**, professor emeritus of Romance Languages and Literatures, published a review of *Through a Glass Darkly: History and Memory in François Mauriac’s Bloc—Notes by Nathan Bracher in Christianity and Literature* 42, No. 2 (winter): 298–301.
- John F. Gaski**, associate professor of marketing, published “Who Really Outed Wilson’s Wife?” in *Investor’s Business Daily* (July 18): A19.
- Joachim Görres**, research professor of physics, published “The Effect of $^{19}\text{F}(\alpha, p)^{22}\text{Ne}$ Reaction Rate Uncertainty on the Yield of Fluorine from Wolf-Rayet Stars” with **Michael Wiescher**, the Freimann Professor of Physics, et al., *Monthly Notices of the Royal Astronomical Society* 260 (2005): 375–79; and “A Comprehensive Study of the $^{106}\text{Cd}(\alpha, \gamma)^{110}\text{Sn}$ Reaction at Energies Relevant to the p-Process” with Michael Wiescher, et al., *Nuclear Physics A* 758 (2005): 517c–20c.
- Kevin Hart**, the Notre Dame Professor of English and concurrent professor of philosophy, published “Interview,” *The Verse Book of Interviews*, ed. B. Henry and A. Zawacki (Amherst, Mass.: Verse Press, 2005): 302–19; and “Dark Retreat,” *Agenda* 41, Nos. 1 and 2 (2005): 80–85.
- Frank P. Incropera**, the McCloskey Dean of the College of Engineering and the Brosey Professor of Mechanical Engineering, published “Heat Transfer Model of Semi-Transparent Ceramics Undergoing Laser-Assisted Machining” with F.E. Pfeifferkorn and Y.C. Shin, *Int. J. Heat Mass Transfer* 48 (2005): 1999–2012.
- Jesus A. Izaguirre**, associate professor of computer science and engineering, published “On Multiscale Approaches to 3-Dimensional Modeling of Morphogenesis” with **Mark S. Alber**, professor of mathematics and concurrent professor of physics, et al., *J. R. Soc. Interface* 2 (2005): 237–53.
- Prashant V. Kamat**, professional specialist in the Radiation Laboratory, published “Ordered Assembly of Protonated Porphyrin Driven by Single-Wall Carbon Nanotubes: J- and H-Aggregates to Nanorods” with T. Hasobe and S. Fukuzumi, *J. Am. Chem. Soc.* 127, No. 34 (2005): 11884–85.
- Kwan S. Kim**, professor of economics and policy studies and fellow of the Kellogg Institute, published “Development Crisis in Sub-Saharan Africa: Globalization, Adjustment and the Roles of International Institutions” in J. Chen and D. Sapsford eds. *Global Development and Poverty Reduction—the Challenge for International Institutions* (Cheltenham, UK and Northampton, Mass.: International Institutions and Global Governance, 2005): chapter 13, 294–320.
- Jay A. LaVerne**, professional specialist in the Radiation Laboratory and concurrent research professor of physics, published “H₂ Formation from the Radiolysis of Liquid Water with Zirconia,” *J. Phys. Chem. B* 109, No. 12 (2005): 5395–97.
- Julia Marvin**, associate professor in the Program of Liberal Studies and fellow of the Medieval Institute, published “Havelok in the Prose *Brut* Tradition” in *Studies in Philology* 102 (2005): 280–306.
- Paul McGinn**, professor of chemical and biomolecular engineering and associate director of the Center for Molecularly Engineered Materials, published “Single-Wall Carbon Nanotube-Based Proton Exchange Membrane Assembly for Hydrogen Fuel Cells” with G. Grishkumar, M. Rettker, R. Underhile, D. Binz, K. Vinodgopal, and **Prashant V. Kamat**, professional specialist in the Radiation Laboratory and concurrent professor of chemistry and biochemistry, *Langmuir* 21, No. 18 (2005): 8487–94.
- Rory McVeigh**, associate professor of sociology, published “Corn, Klansmen, and Coolidge: Structure and Framing in Social Movements” with **Daniel J. Myers**, professor of sociology and Kroc Institute fellow, and **David Sikkink**, associate professor of sociology and Institute for Educational Initiatives fellow, *Social Forces* 83, No. 2 (2004): 653–90.
- Orlando Menes**, assistant professor of English, published *Furia* (Minneapolis: Milkweed Editions, 2005): 76 pp.; “Runt Massey” *River Styx*, Nos. 69/70 (2005) 135–36; “Bacalao,” *Epoch* 54, No. 1 (2005): 48; “Mythopoesis,” “Coolie,” “Pharmacopeia,” and “Drought in Havana, 1998,” *Sycamore Review* 17, No. 1 (winter/spring): 40–46; “Homage to Lupe” and “Miss Elliott,” *Prairie Schooner* 79, No. 1 (spring): 115–17; “Letter to Mirta Yáñez” *Approaching Literature in the 21st Century: An Introduction to Fiction, Poetry, and Drama*, eds. P. Schakel and J. Ridl (Bedford/St. Martin’s, 2005): 690–91; and “The Poetry of Place: Interviews and Tales from the Road,” W.T.

Pfefferle (Salt Lake City: Utah State Univ. Press, 2005).

Juan Migliore, professor of mathematics, published “The Multiplicity Conjecture in Low Codimensions” (written with U. Nagel and T. Roemer) in *Mathematical Research Letters* 12 (2005): 731–48.

Daniel J. Myers, professor of sociology and Kroc Institute fellow, edited *Authority in Contention* with D.N. Cress (JAI/Elsevier, 2004): 277 pp.; and published “Feminist Attitudes and Support for Gender Equality: Opinion Change in Women and Men, 1974–1998” with C.I. Bolzendahl, *Social Forces* 83, No. 2 (2004): 759–90.

Rudolph M. Navari, director of the Notre Dame Cancer Institute, published “A Phase II Trial of Olanzapine for the Prevention of Chemotherapy Induced Nausea and Vomiting” in *Supportive Care Cancer* 13 (2005): 529–34.

Karen Richman, assistant professor of anthropology and Institute for Latino Studies and Kellogg Institute fellow, published *Migration and Vodou* (Univ. Press of Florida, New Diasporas Series, 2005).

Mark W. Roche, the O’Shaughnessy Dean and Joyce Professor of German Language and Literature, published “The Greatness and Limits of Hegel’s Theory of Tragedy” in *A Companion to Tragedy*, ed. R. Bushnell (Oxford: Blackwell, 2005): 51–67; and “Hegels Relevanz für die gegenwärtige Ästhetik” in *Das Geistige und das Sinnliche in der Kunst: Ästhetische Reflexion in der Perspektive des deutschen Idealismus*, ed. D. Wandschneider (Würzburg: Königshausen and Neumann, 2005): 67–81.

Philip J. Sakimoto, professional specialist in physics, published “Obliterating Myths about Minority Institutions” with J.D. Rosendhal, *Physics Today* 58, No. 9 (September): 49–53.

David Sikkink, associate professor of sociology and Institute for Educational Initiatives fellow, published “Private Prayer and Civic Involvement” with M.T. Loveland and **Daniel J. Myers**, professor of sociology and Kroc Institute fellow, *Journal for the Scientific Study of Religion* 44, No. 1 (2005): 1–14.

Brian Smyth, professor of mathematics, published “The Nature of Elliptic Sectors in the Principal Foliations of Surface Theory,”

Proc. of Intl. Conf. on Differential Equations (2005): 957–60.

M. Katherine Tillman, professor in the Program of Liberal Studies, published “Mary in the Writings of John Henry Newman,” the featured Book Review Essay, in *Newman Studies Journal* 2, No. 2 (fall): 86–94.

Michael Wiescher, the Freimann Professor of Physics, published “Precise Half-Life Measurement of ^{110}Sn and ^{109}In Isotopes” with Gy. Gyürky, et al., *Physical Review C* 71 (2005): 057302–04; and “Measurements of the $^{90,91,92,94,96}\text{Zr}(n,\gamma)$ Cross-Sections at n_TOF” with C. Tagliente, et al., *Nuclear Physics A* 758 (2005): 573c–76c.

Administrators’ Notes

Activities

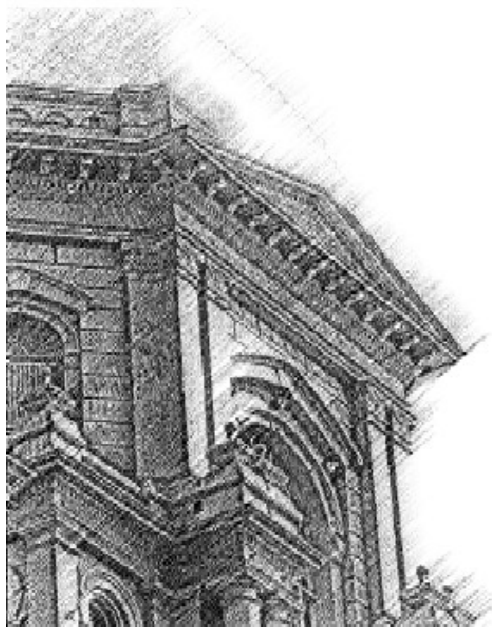
Alan S. Bigger, director of Building Services, presented a teleconference seminar titled “Steps to Implementing an Effective Safety Program” to the Univ. of Texas Health Science Center at San Antonio, Teleconference Network of Texas, on Aug. 10.

Miguel Franco, psychologist in the University Counseling Center, was featured in the June 2005 issue of *College Athletics and the Law*, highlighting methods of curbing aggressive behavior in male athletes.

Publications

Carlos CasanovaGuerra, senior research associate in the maritain Center, published “On Pamenides’ Poem,” *Nevesta Venezolana de Filosofia*, Nos. 42–43 (2005).

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