February 2000
Masarachia Scholarships Program Largest Ever for Liberal Arts

A generous gift from a 93-year-old resident and long-time labor and community activist in Indianapolis has endowed a scholarship program that will eventually provide full tuition and fees for up to a dozen students annually.

The donor, Sam Masarachia, a retired United Steelworkers of America representative, is the second of eight children born to parents who married after immigrating to America from Sicily in 1900. Sam, whose father was a coalminer, quit high school to help provide for the family after they moved to Indianapolis. He went to work at a local saw manufacturing plant in 1923 and, in 1937, helped organize a local union there. From 1941 to 1968, he held a district staff representative position with the Steelworkers Union. As a soldier in World War II, he earned four Bronze Stars for combat in Normandy, Northern France, the Rhineland, and Central Europe.

Sam Masarachia is as devoted to community service as he was to military service. He is a founding member of the Fountain Square Senior Citizen Center, now known as the Southeast Senior Citizen Center, and the 16,000-member United Senior Action, Indiana’s premier independent senior advocacy organization. He also served on the first board of the Indianapolis Task Force on Aging, the forerunner of the Central Indiana Council on Aging

The Masarachia Scholarship Program is among our largest student scholarship programs. Scholarships may be awarded to incoming freshman and continuing IUPUI students in all disciplines, based on need or merit, who have demonstrated interest in labor, senior, and community advocacy organizations.

Masarachia Scholars will be expected to participate in program specific activities, including community service and internships, in the hope that every student helped by Sam Masarachia’s generous scholarship program will follow in the footsteps of Sam’s own outstanding lifelong example. If that wish comes true, our community will be forever blessed and fortunate indeed.

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Dental Health Fair for Kids

On February 19, 9 a.m. to 12 noon, the IU School of Dentistry’s Student Affairs Council conducts its annual Dental Health Fair for kids. Preschool and grade school children, accompanied by a parent or guardian, will be offered free fluoride rinse treatments and oral screenings by students supervised by dental school faculty. A puppet show and the school’s mascot, Bucky Bicuspid, will provide entertainment.

Law School Students Offer Free Tax Assistance

Student volunteers from the IU School of Law – Indianapolis will provide free tax assistance at various community sites January 29 through April 15. Services are provided by the law school’s Volunteer Income Tax Assistance Program in cooperation with the American Bar Association–Law Student Division and the Pro Bono Program, to any individuals in need of assistance. For location information or appointments, call 317-639-6106.

Frontiers in Science Conference Explores the Wild Wild Web

Faculty of the Purdue School of Science at IUPUI have been active in developing innovative web-based preparatory assignments that give students in biology, physics, and other fields
opportunities to identify areas of difficulty before class and give faculty members time to adjust classroom activities for undergraduate courses.

In addition to these pedagogical applications of the Internet, the faculty are also interested in its potential for "e-business." The IUPUI School of Science Alumni Association hosts its first Frontiers in Science seminar on March 10, 2000, 7:30 a.m. to 3 p.m., in the University Place Conference Center at IUPUI. Presented by Premier Solutions, Inc., the seminar, “Internet Revolution and Evolution: The Wild Wild Web,” features David Becker, chair and CEO of First Internet Bank of Indiana, and Scott Jones, chair and CEO of Escent, Inc. Other speakers include J. Michael Dunn, dean of the new IU School of Informatics, and Michael McRobbie, vice president for information technology and chief information officer of Indiana University. Biomedical applications will be among the prototype software demonstrated. For more information, call 317-274-8828 or register via the Wild, Wild Web.

### Phanthropy on a Global Scale

The IU Center on Philanthropy at IUPUI has been spreading the word about “voluntary action for the public good”-- worldwide.

Professor Emeritus of Philanthropic Studies Robert L. Payton, the founding executive director of the Center on Philanthropy, who coined that phrase, has been conducting research in the former Yugoslavia and other eastern European countries. Philanthropic studies students accompanied him to the Czech Republic for the fifth annual symposium for Voluntas, a journal published by the International Society for Third Sector Research. Titled “Ten Years After: Civil Society and the Third Sector in Central and Eastern Europe,” it brought together academics and nonprofit practitioners to discuss developments in the region since the fall of the Berlin Wall.

IUPUI and the University of Bremen (Germany) recently signed an agreement to explore various joint projects, including academic programs modeled on the liberal arts-based, interdisciplinary approach of our Center on Philanthropy’s philanthropic studies degree program.

Last fall, Executive Director Eugene R. Tempel and Associate Executive Director Dwight Burlingame traveled to Argentina for the annual meeting of the Building Bridges Initiative. Funded by the W. K. Kellogg Foundation, Building Bridges identifies and develops best practices in nonprofit management education. Eight such programs are in Latin America.

IU Professor of Public Policy and Philanthropic Studies Leslie Lenkowsky joined First Lady Judy O’Bannon and a delegation of Indiana nonprofit, government, and business leaders for the People to People Ambassador program, which is studying community building in Russia.

### Emerging Leaders Program 2000

Out of thousands of students who apply for “Emerging Leaders Program 2000,” sponsored by the National Congress for Community Economic Development, only 102 were selected from across the country to participate in the one-week leadership seminar. Of the four chosen from Indiana, we are proud to say that three are graduate students at IUPUI.

- Mary Alexander, social work, works in our Office of Neighborhood Resources
- Allison Luthe, social work, interns at United Way of Central Indiana
- Rachel McIntosh, philanthropic studies, interns at the IU Center on Philanthropy

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Wild, Wild Web.
The Herron School of Art opened the doors of its new state-of-the-art Sculpture and Ceramics facility to the public on February 4. The $2.8 million facility, at 1350 Stadium Drive, was designed by Blackburn Architects and houses a metal fabrication shop; bronze and aluminum foundry; wood sculpture shop; gallery; and studios for fiberglass, resin, clay, wax, and plaster molding. Large projects can be displayed in a 4,000 sq. ft. covered outdoor courtyard.

Diversity, Urban Policy: Themes of Major Colloquia

One enlightening and constructive way to spend a dreary February day might be to engage in one or two wide-ranging discussions with thoughtful people about issues of particular community importance and relevance.

Join Lt. Governor Joe Kernan and other local political, social, and economic experts for the annual Statehouse Colloquium Series, February 24, 3:30 p.m., sponsored by the IU School of Public and Environmental Affairs and hosted by the Indiana Government Center. It includes sessions on the social, economic, and fiscal impacts of gambling in Indiana, youthful offenders in the criminal justice system, and urban sprawl. For information, call 812-855-9639.

The 11th Annual Joseph T. Taylor Symposium, sponsored by the IU School of Liberal Arts, February 25, 8:30 a.m. to 4:30 p.m., University Place Conference Center, on the theme "DiverCity: Changing Heritages of the Urban Community," features a luncheon address by Atlanta Mayor Bill Campbell on opportunities for cities as they find populations becoming more and more diverse. For information, call 317-274-5053.
Community Foundations Institute to Train Leaders, Staff, Volunteers

The National Community Foundations Institute (NCFI) is being developed by the Indiana University Center on Philanthropy at IUPUI and the National Council on Foundations with a $775,000, 12-month planning grant from the Lilly Endowment. The NCFI is a response to community foundation leaders seeking training for administrators, trustees, staff, and volunteers.

The number of community foundations in the U.S. has exploded in recent years, with assets, gifts received, and grants made all reaching record highs. Currently, community foundations control more than $26 billion in assets. Indiana has 94 such community foundations, or separate affiliate funds, with at least one serving every county in the state.

Steven E. Alley has joined the Center on Philanthropy's staff to coordinate planning for NCFI. Steve was vice president of development and external relations at the Central Indiana Community Foundation and before that the founding president and executive director of a startup community foundation in Howard County, Indiana.

"Steve Alley has contributed significantly to developing and strengthening the community foundation movement in Indiana and on the national level, said Ken Gladish, chief executive officer of the YMCA of the United States and former president of the Central Indiana Community Foundation. "With Steve building on the Indiana University Center on Philanthropy's leadership in research, education, and training, development of the National Community Foundations Institute could not be in better hands."

For more information on the NCFI, contact Steve Alley at (317) 684-8947 or by e-mail at salley@iupui.edu.

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The IUPUI campus continues to be a charged environment for cutting-edge health-related research - as news briefs such as the following will attest.

PROGENI (Parkinson's Research: The Organized Genetic Initiative)

In one of the largest studies of its kind, Indiana University School of Medicine researchers are seeking siblings diagnosed with Parkinson's disease. The $6 million study funded by the National Institute of Neurological Disease and Stroke, part of the National Institutes of Health, will identify genetic markers that indicate a predisposition for developing the disorder.
IU Distinguished Professor of Medical and Molecular Genetics and of Neurology P. Michael Conneally is the principal investigator. His research on genetic markers led to the discovery of the gene that causes Huntington's in 1993.

For more information on PROGENI, call toll-free 1-888-830-6299 or visit the [web site](#).

Noninvasive Treatment for Lung Cancer to Debut at IU

The Indiana University School of Medicine is the first site in the nation to investigate a new therapy -- **stereotactic body mapping** -- which will revolutionize the way medically inoperable early-stage lung cancer patients are treated.

Early stage lung cancer is traditionally treated with surgery, conventional radiation, or both. But patients with emphysema or heart disease can be poor candidates for major lung surgery. The new noninvasive treatment uses 3-D imaging to find the precise location of the lung tumor. Then, photon radiation is directed at the area. The noninvasive procedure is similar to **Gamma Knife** radiosurgery, a technique effective in treating brain tumors.

Indiana University Center for Enhancing the Quality of Life in Chronic Illness

A new Center for Enhancing the Quality of Life in Chronic Illness has been funded by a five-year, $1.5 million grant from the **National Institutes of Health** (NIH). Headquartered at IUPUI, the IU School of Nursing is one of just nine schools in the country to receive this distinction. Distinguished Professor of Nursing Joan K. Austin, known for research on epilepsy, is the principal investigator. Victoria Champion, also on the nursing faculty, specializes in research on breast cancer and will direct the research development and dissemination core. Walter Ambrosius of the IU School of Medicine will lead the biostatistics support.

Incidentally, Joan Austin has just received the **Senator Jacob Javits Neuroscience Investigator Award**, which means that her research on epilepsy has been extended for seven years. Reserved for work perceived as cutting edge, no more than 12 such awards can be given within the National Institutes of Health at any one time.

Wind Chill - A Hoax?

IUPUI Professor of Mechanical Engineering Maurice Bluestein thinks the **National Weather Service** is all wet when it comes to the way it calculates wind chill factor. As author of the sixth edition of *Thermodynamics and Heat Power*, he may not be a weather specialist, but as a mechanical engineer, he understands the principles of heat transfer.

In an interview with **USA TODAY** reporter Dennis Cauchon, Professor Bluestein suggested that the current index overestimates the problem. The model he developed with his colleague, Jack Zecher, also on our Purdue School of Engineering and Technology
faculty, makes use of what they say is a more accurate estimate of the thermal properties of the skin and of modern heat transfer theory.

The current index is based on 50-year-old "primitive study of heat loss from a container of freezing water in the Antarctic," which fails to take into account that skin freezes at a different temperature than water. Investigators also neglected to account for variations in skin temperature between different parts of the body (face and hands, for example) or for the fact that the rate of heat loss in the body may be different in the sun than it would be in the shade on a frigid day.

Intrigued by the model, the National Weather Service has appointed Bluestein a coprincipal investigator for a committee that will propose an update to the current system, which could take effect within the next three years. His ideas have received extensive attention from the media the past couple of months, including CNN, Dateline NBC, and the Weather Channel.

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A.I.M.-ing to Help Juvenile Offenders Stay Straight

Everyone is brought up to believe that crime doesn't pay. But now, it is clear that punishment doesn't always pay either - it costs. And it costs more than we realize. At Plainfield Juvenile Correction Facility, it takes $43,072 annually to keep one juvenile in custody.

Roger Jarjoura, Associate Professor in the IU School of Public and Environmental Affairs at IUPUI began his association with the Plainfield Juvenile Correctional Facility in 1993 as a volunteer literacy and math tutor. Eventually, he established a service learning course in the juvenile justice curriculum at IUPUI in which students spend three hours a week, either as tutors in literacy or math or as facilitators of groups on decision making, anger management, and empathy building. Each student worked with five to eight Plainfield residents.

From there he went on to organize the A.I.M. Program (Aftercare by IUPUI through Mentoring). It offers juveniles -- who have been kept in a rigidly structured environment and who are about to be released back into the community -- a transition. The transition is supported by workshops on life skills, job skills, and money management. IUPUI student mentors work one-on-one with juvenile offenders before and after release, following their progress in the community and identifying community resources to support their reintegration into society.

Jarjoura now has 27 mentors working with 130 young men. He is currently expanding the program around the state and has raised just over $150,000 for the program this past year. A new piece to the program provides structured programming five days a week, 9 a.m. to 5 p.m., for the first month after youths are released from the Plainfield facility,
allowing mentors to work more efficiently with youths on enrolling in school and finding a job.

And how much does this cost? Only $1,945 per youth annually, a bargain by any measure.

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Enclosed with this month's letter is the first of IUPUI's State of Diversity reports, which are to be released each year in connection with Martin Luther King Jr. Day activities. We invite your comments and suggestions.

Gerald L. Bepko
Chancellor
New Home for Herron Named

Thanks to a gift from Sidney and Lois Eskenazi, the Herron School of Art at IUPUI will be able to transform the current law school building into its future home, the Sidney and Lois Eskenazi Hall. The building will be named in honor of the couple, both graduates of IU, whose generous donation is the largest gift to Herron since it became part of the IUPUI campus.

Jonathan Hess, a local architect from Browning Day Mullins Dierdorf, Inc., has redesigned the existing structure to make it suitable for an art school, once the new law building, Lawrence W. Inlow Hall, opens. The plans call for adding 70,000 square feet to the building, which will include a large reception area, three galleries, 250-seat auditorium, 10,000 square-foot library, and thousands of square feet of studio space. The exterior will be made of brick, limestone, and glass with natural light filtering into studio space through skylights.

"Brain Gain": Internships Are Key to Connecting Area Jobs with Graduates

On April 19, the Indianapolis Chamber of Commerce announced the launch of its "Brain Gain" project - an initiative to help keep central Indiana graduates in the region. David Frick, chief administrative officer of Anthem, Inc., Jerry Israel, president of the University of Indianapolis, and I are leading an effort to create more opportunities for student interns to apply their knowledge and learn practical lessons that are difficult to achieve in the classroom alone.

In announcing the "Brain Gain" initiative, John S. Myrland, president of the Indianapolis Chamber of Commerce, said:

From all that we know, internships really make a difference in where graduates decide to locate. We feel the key to this is creating and expanding high-quality internship programs to improve the connection between those graduates and central Indiana employers.

IUPUI Commencement Ceremonies

IU President Myles Brand and retiring Purdue President Steven Beering, who was our keynote speaker, conferred some 4,357 undergraduate and graduate degrees during IUPUI's commencement ceremonies on Mother's Day, May 14. Along with this largest graduating class to date, four people received honorary degrees:

- Walter S. Blackburn, president of Blackburn Architects, and prominent Indianapolis business and civic leader, received an honorary Doctor of Letters from Purdue University.
- Mari Evans, an Indianapolis-based poet, playwright, educator, essayist, and producer, received an honorary Doctor of Humane Letters from IU.
Robert Payton, founding director of the IU Center on Philanthropy at IUPUI, received an honorary Doctor of Humane Letters from IU.

Amara Raksasataya, who has worked to improve public administration and governance in his native Thailand, received an honorary Doctor of Laws degree from IU.

Indianapolis Public Schools and IU School of Education Share Honors

Indianapolis Public Schools and the IU School of Education at IUPUI recently were honored for their outstanding teacher preparation and reading programs by the International Reading Association, a 90,000 member organization dedicated to improving reading and promoting literacy worldwide.

The School of Education was one of only eight university programs in the nation recognized by the association's National Commission for Excellence in Teaching. The IPS magnet school, the Center for Inquiry, received one of only 25 Exemplary Reading Program awards and was named best program in Indiana. Our faculty were instrumental in developing the Center for Inquiry and support its teachers through continuing education.

New Communications Technology Complex Sited

The corner of Michigan and West Streets at the entrance to IUPUI will be the construction site for IUPUI's new Communications Technology (CTC) Building, the center of IU's telecommunications infrastructure for IUPUI, its state network, and its connections to other national and international networks.

It will also house University Information Technology Services at IUPUI and three laboratories to be located at IUPUI as part of the Indiana Pervasive Computing Research Initiative (IPCRES), funded initially by a grant from the Lilly Endowment.

This site is directly adjacent to the business and government center of Indianapolis. It is also near the area where our University Library, School of Engineering and Technology, and School of Science are located. The juxtaposition symbolizes the vital role that IU sees technology playing, not just at the university but in the city and around the state.

The campus masterplan calls for the block on which the CTC building will be constructed - the block between Michigan, West, New York, and Blackford Streets, on which the new law school is also being built - to be part of a new ceremonial entrance into the campus from the city.

Indianapolis - Best for Nonprofits

Indianapolis is the best city in the country in which to start and operate a nonprofit organization, and the Indiana University Center on Philanthropy is one of the major reasons why, according to a recent study published in the April 2000 The Nonprofit
The Nonprofit Management Institute at Arizona State University conducted the study. The top 10 cities were ranked based on 10 separate factors, including results in United Way campaigns, best places to start a small business, government regulation of nonprofits, number of fundraisers employed, and number of nonprofit management educational and training centers, among others.

**Overseas Human Rights Interns Go Abroad**

Ten students are summer interns in the Program in International Human Rights Law at the IU School of Law - Indianapolis. They are headed for Argentina, Costa Rica, the Czech Republic, Honduras, Hong Kong, Ireland, Israel, Nepal, Northern Ireland, and the Philippines. During the past four years, 25 students have gone to more than 20 countries on six continents. They gain practical experience in international law while providing legal expertise to agencies dealing with international human rights.

**Cory Elson Scholarship Awarded**

"While I know one person will not change the world simply by becoming a police officer, at least they can make a difference in someone's life," wrote Toby Deaton of Scottsburg in his scholarship application essay. The 27-year-old IUPUI senior criminal justice major has just received the first Cory Elson Scholarship, which was created by Amy Elson, wife of slain state trooper Cory Elson. Trooper Elson, a graduate of the School of Public and Environmental Affairs at IUPUI, was killed in the line of duty in April 1999. Amy Elson presented Toby Deaton with a certificate and a plaque at a brief ceremony at the Indiana Statehouse on May 12.

**Indianapolis Project SEED Scholarship Program**

Rosie Bonjouklian, a local scientist, and her employer, Eli Lilly & Co., have teamed up to establish the Indianapolis Project SEED Scholarship Program at IUPUI. Beginning this fall, one four-year scholarship per year will be awarded as part of Project SEED (Summer Experience for Economically Disadvantaged), a national program directed by the American Chemical Society to encourage students to pursue career opportunities in the chemical sciences.

**1999 IUPUI Performance Report**

Enclosed with this letter is the latest issue of the IUPUI Performance Report, our annual compilation of measures and indicators that help the campus mark its progress in addressing planning priorities. We invite your comments on the document and on developments at IUPUI.

**Spirit of Philanthropy Celebration**

A record crowd of nearly 400 watched on April 27 as more than 30 individuals, corporations, and foundations were honored by IUPUI programs and units to which they
contributed gifts or volunteer time during the past year. The first Chancellor's Medallion was given to 14-year-old Jonathan Weidberg, who started Jonathan's Mouse Fund when he learned that his mother's treatment at the IU Cancer Center depended on access to special research mice. Thanks, once again, to Jonathan and all the honorees.

Gerald L. Bepko
Chancellor
Experiential Learning Means Well-Rounded Graduates

In the May 2000 issue of this letter, I mentioned the Indianapolis Chamber of Commerce “Brain Gain” project, an initiative to promote internships as a way to connect well-prepared local graduates with area jobs.

“Experiential learning” is educator’s jargon for hands-on experience-oriented learning that complements classroom instruction. Business and industry leaders say that technical skill must be supplemented by broad learning experiences if graduates are to prosper in the workplace, and colleges are responding.

The National Research Council Committee on Science, Engineering, and Public Policy has made the point that “Skills like project management, leadership, planning and organizing, interpersonal skills, adaptability, negotiation, written and oral communication, and solid computer knowledge are critical. If you walk on water technically but can't explain or promote your ideas and your science, you won't get hired. If you do get hired, your career will stall.”

This month’s letter features examples of how IUPUI promotes experiential learning in various disciplines and in various ways.

Scientist’s Apprentice Camp 2000

A unique IUPUI summer day camp this month is keeping 15 8th through 12 graders from 12 central Indiana schools busy learning and discovering.

Students at the Scientist’s Apprentice Camp 2000 are working in IUPUI labs under the direction of Purdue School of Science professors and local science teachers. They are examining chick embryos to uncover the biological behaviors of cells, Sphinx moths to see how enzymes and hormones are synthesized, penicillin-related compounds to observe their chemical structure, and computer modeling techniques for morphing photos of missing children to show the effects of age and growth. The latter is a real-life research project being conducted this summer at IUPUI as a case study for the National Science Foundation

This is the fifth year for the annual summer camp, an opportunity for students to apply scientific principles learned in the classroom to real research projects. Students are also being encouraged to use their day camp experience to begin planning science fair projects for the coming school year -- with IUPUI professors serving as consultants.

The apprentices attend St. Simon; Creston, Shortridge, and Stonybrook middle schools; Carmel Junior High School; Baptist Academy; and Arsenal Tech, Cathedral, North Central, Northwest, Park Tudor, and Plainfield high schools.
National Teaching Award in Science Goes to IUPUI Alumna

President Bill Clinton recently named an IUPUI alumna as a recipient of the nation’s highest honor for U.S. science teachers in grades K-12.

Sandra Brown, a fifth grade teacher at Allisonville Elementary School and a 25-year veteran of the Washington Township Metropolitan School District, has received a Presidential Award for Excellence in Mathematics and Science Teaching. She earned a Bachelor of Science degree in education at IUPUI in 1972 and a master’s degree in elementary education in 1975.

She was honored for her project “Riding the Wave of Technology”, a unit on the interaction of the earth's oceans and the atmosphere. One of the culminating group activities was a field trip to conduct water testing with the Marion County Health Department at Windridge Pond, near Emerson Way and Fall Creek Boulevard in Indianapolis.

A panel of distinguished scientists, mathematicians, and educators recommend four teachers from each state – one math and one science teacher at both the elementary and secondary levels – for the honor, which the National Science Foundation administers for the White House.

IUPUI Archaeological Dig Uncovers Cracker Jack Collectible

IUPUI students digging up a vacant lot near campus unearthed a vintage coin that collectors say was a give-away in a popular Cracker Jack treasure hunt.

The discovery at the 800 Camp Street site has put the anthropology class project into the spotlight among Cracker Jack prize collectors. The dig is under the supervision of IUPUI Assistant Professor of Anthropology Paul Mullins. His students have excavated 9,000 to 10,000 artifacts from the Ransom Place Historic District site just north of the campus and will clean, catalogue, and research the items to learn more about the lives of those who once lived there.

The Cracker Jack collectible was found where a small corner grocery store was located from 1920 to 1960. Along with Madame Walker’s beauty supply plant, it was one of many thriving, predominantly African-American businesses in the area.

“Better Together” Pairs Future Nurses, Educators, and Social Workers with IPS Schools

On Thursday, June 1, a reception at Crispus Attucks Middle School celebrated the “Better Together” program, which pairs the IU Schools of Nursing, Education, and Social Work at IUPUI with Crispus Attucks Middle School, Cold Springs Elementary, Elder W. Diggs Elementary, George Washington Carver Elementary, and Riverside Elementary in an unusual partnership that brings the community into the classroom and the classroom to the community.

Through the “Community Health Nursing” course at IUPUI, senior nursing students may choose to perform their required community service in these schools. They spend 7 to 12 hours per week providing first aid and routine scoliosis and vision screenings. Due to budgetary restraints, most of these schools can only offer a hired nurse to students one hour each week.

In the IU School of Education at IUPUI, student teachers complete 20 hours of required field experience in these schools by tutoring, mentoring, or student teaching.
The lower student-to-adult ratio in the classroom gives children more individual attention.

Students seeking a bachelor’s or master’s degree in social work may also choose to complete their internships in these schools. Interns are guided by each school’s social worker. They may either lead groups or work with children individually.

**Key Dean Appointments at IU / IUPUI**

We are very much looking forward to working with some new administrative leaders who are serving in key academic appointments of particular interest to our larger community:

**IU School of Medicine**

On June 23rd the Trustees of Indiana University named **D. Craig Brater, M.D.**, the ninth dean of the Indiana University School of Medicine, Walter J. Daly Professor of Medicine, director of the Indiana Statewide Medical Educational System, and director of the IU Medical Center.

Craig Brater took the helm of the nation’s second largest medical school on July 1 and occupies an integral leadership position in the school's partnerships with Wishard Health Services, Roudebush Veterans Administration Medical Center, LaRue Carter Hospital, and Clarian Health Partners (manager of Riley Hospital for Children, University Hospital, and Methodist Hospitals).

A 1971 graduate of the Duke University Medical School and an internationally recognized expert in the effects of drugs on the kidneys and cardiovascular system, Craig Brater has been on IU School of Medicine faculty since 1986 and chair of the Department of Medicine since 1990.

**IU School of Social Work**

At the same meeting, the trustees approved the appointment of **Michael A. Patchner** as dean of the IU School of Social Work at IUPUI. Michael has a 28-year career in social work with more than 13 years in administration at the university level and comes to IUPUI after eight years as associate dean and professor for the University of Pittsburgh School of Social Work.

Michael Patchner brings administrative experience and high-level leadership in both the academic and professional dimensions of social work. He is coauthor of *Excellence in Nursing Homes: Care Planning, Quality Assurance, and Personnel Management* has published many books and articles on social work issues primarily aimed at care for the elderly. His experience in such areas will reinforce links between the School of Social Work to other centers of excellence on the IUPUI campus, such as the IU Center for Aging Research.

**IU School of Public and Environmental Affairs**

**Astrid E. Merget** has been selected dean of the Indiana University School of Public and Environmental Affairs (SPEA), pending approval by the Trustees of Indiana University. She comes to IU with extensive experience in academic administration at the Maxwell School of Citizenship and Public Affairs at Syracuse University (where she also earned her master’s and doctoral degrees).
She has also held high-level federal advisory posts in the U.S. Departments of Health and Human Services and Housing and Urban Development.

As dean of SPEA, Astrid Merget will be based at IU Bloomington but will be responsible for IUPUI-based programs as well.

I hope you will soon have an opportunity to meet or to get to know these new deans of some of our professional schools and to offer them the benefit of your thoughts and suggestions.

Sincerely,

Gerald L. Bepko
Chancellor
IUPUI Sets a Fall Enrollment Record

IUPUI has achieved a new fall enrollment record in the number of credit hours students are taking and a significant increase in the number of full-time and graduate students enrolled in Indianapolis – even as IUPUI deferred admission to 654 students, most of whom were referred to the Community College of Indiana.

Official figures for IUPUI include students enrolled in our Columbus programs, giving a total headcount of 27,525, a .2 percent overall decline from last year’s figures. But, counting only the students enrolled in Indianapolis, we have 26,118 students, a .2 percent increase over the 26,057 students enrolled a year ago. They signed up to take 276,790 credit hours, compared to 262,140 in 1999.

With tighter admission standards, the overall preparation level of IUPUI’s entering class has increased appreciably. Those less well prepared were referred to the Community College of Indiana in keeping with a partnership between Ivy Tech and IUPUI begun more than a decade ago to create a seamless ladder of educational access in central Indiana (1) by referring to Ivy Tech those students whose academic skills needed strengthening in preparation for university-level course work and (2) by making 135 courses and all associate degrees transferable. The IUPUI/Ivy Tech agreement, called the Passport Program, applies by extension to the Ivy Tech/Vincennes partnership, the Community College of Indiana.

Students with weak high school records who apply to IUPUI are deferred to the community college and advised to take any pre-college courses they need, plus 15 freshman-level courses. If they achieve C or better in all courses, they're guaranteed admission when they return to IUPUI. The freshman-level
community college courses transfer; so students also make progress toward their degrees.

Students who have tried this option and are now enrolled at IUPUI report that they feel better prepared and thus more confident about completing their bachelor’s degree program here. Some 930 former Ivy Tech students currently study at IUPUI. Through this interinstitutional partnership, these students can get the kind of education they want, and go as far as they want, in college-level study, whether pursuing an associate, bachelor, graduate, or professional degree.

New Dean of IUPUI’s University Library – A Community Resource

In our last letter, we mentioned looking forward to working with some new administrative leaders serving in academic appointments of interest to our larger community. In this issue, we are pleased to mention the appointment of David Lewis as Dean of our University Library. David joined the IUPUI library staff in 1993 as Head of Public Services and served as the Deputy University Librarian to Philip Tompkins, the now-retired University Librarian. David has been involved in the development and implementation of the INSPIRE project, which provides web-based library resources to the state of Indiana. Working with the Indianapolis Foundation Library Partners group, he also helped develop the Marion County Internet Library.

The University Library at IUPUI Celebrates “The Jazz Age in Paris”

Our University Library from the beginning has been viewed not only as a resource for students and faculty but for the larger community as well. In keeping with that conceptualization, the IUPUI University Library is proud to be the host for a traveling exhibition organized by the Smithsonian Institution and the American Library Association and funded by the National Endowment for the Humanities. The exhibit titled “The Jazz Age in Paris, 1914-1940” celebrates the musical form that was born in America but that flourished among the avant garde artists and intellectuals in Paris during the years between the wars.

The exhibition is on display at the library from September 21 through November 2.

Second Annual Women’s Health Month in Indiana

Indiana University’s National Center of Excellence in Women’s Health in partnership with the Indiana State Department of Health, the Indiana Commission for Women, and the Indiana State Police is making violence against women a focus of Women’s Health Month. Beverly Coleman-Miller, M.D., a member of the Harvard University medical school faculty and a survivor of domestic violence, will address the issue at a kickoff event on Monday, September 18, 12 noon, in the Indiana Government Center South, 1st Floor. In conjunction, a women’s health fair will take place in Rooms A, B, and C, from 11 a.m. to 2 p.m. For more information, visit the web site or call Tina Darling at 317-630-2243.
Grand Opening: IUPUI Community Learning Network Site in Hamilton County

Beginning this fall, IUPUI will offer both credit and continuing studies classes, along with a wide range of student services, at the new Legacy Fund Community Life and Learning Center in Carmel – formally the Carmel-Clay Public Library, 515 E. Main Street.

IUPUI, in partnership with Ivy Tech, contributed $350,000 towards the rebirth of the library into a community / educational facility owned by Clay Township. The two schools will occupy the majority of the building, sharing nine classrooms, two computer labs, and conference and administration space. For information, call (317) 569-9203, or visit the website.

E-Learning Software Developed by IUPUI Faculty Distributed Free to Educators

ANGEL (A New Global Environment for Learning), a software product that allows schools to create a web environment to supplement classroom instruction, is available without cost to K-12 and postsecondary educational institutions in the U.S. Developed by IUPUI faculty members Ali Jafari and David Mills, ANGEL provides a set of core components allowing teachers to post grades, offer exams, hold discussions, and publish assignments and reading material.

Most schools use course management software just for distance learning courses, but with ANGEL, every course can have a web complement in which students and teachers are connected not just in the classroom, but 24 hours a day via the World Wide Web. The software can also be customized with features that allow parents to check grades or see if their child arrived at school.

Jafari and Mills developed ANGEL at the CyberLab in the Purdue School of Engineering and Technology and the Office of Professional Development at IUPUI. They previously developed Oncourse, the course management software currently used by all IU campuses. Yahoo recently ranked IU fourth in its list of the 100 Most Wired Colleges in part because of Oncourse.

For a demonstration or to download the software, log on to CyberLearningLabs.com.

Yamaha Keyboards and Music Faculty Team Up to Beef Up Music Education

The IU School of Music at IUPUI, which offered the first graduate degree in music technology in the country in 1996, is now taking the lead in preparing elementary education majors to use music technologies more effectively in the classroom. The pilot program requires students taking the course “Music Fundamentals for the Elementary Classroom Teacher” to learn to use portable keyboards. IUPUI music faculty selected Yamaha keyboards for their size and affordability and provide the teachers-to-be instructions for their use in the classroom setting.

Eighth Annual Nursing Gala Honors Charlene Lugar and Others

On September 21, the IU School of Nursing holds its eighth annual gala at the Ritz Charles. Proceeds will benefit the Shalom Healthcare Center established in 1994 by
IUPUI faculty Sandra Burgener and Susan Moore. The nurse-managed church-based clinics provide health care services to underserved and uninsured Indianapolis residents.

The gala will honor Charlene Lugar with the Doris Merritt Service to Nursing Award. Charlene is a long-time advocate for the March of Dimes and causes associated with reducing the nation’s infant mortality rate. Professor of Nursing Victoria Champion will receive the “Boundary Spanning” Award. Vernice Ferguson, who has been chief nurse of the Veterans Administration and former president of the American Academy of Nurses, will receive the Emily Holmquist Lifetime Achievement in Nursing Award. We are sad to report that Emily Holmquist, who was dean of the IU School of Nursing from 1957 to 1973, passed away this month at the age of 89. The school will hold a ceremony to celebrate her life and career on Monday, September 25.

**The Month of August a Busy One at IUPUI**

We did not send you a newsletter in August, but IUPUI was a busy place nonetheless.

During late August, the RCA Men’s Hardcourt Tennis Championships at the Indianapolis Tennis Center coincided with the U.S. Olympic Trials taking place in the IU Natatorium. In fact, on Saturday, August 19, sporting events on the IUPUI campus dominated air time on national television with NBC’s back-to-back coverage of the tennis semifinals and the Olympic swimming trials. By the way, Marat Safin, the unsuccessful finalist at the RCA who lost to top seed Gustavo Kuerten, just emerged victorious in straight sets against Pete Sampras to win the U.S. Open.

On reflection, with so many athletes and visitors on campus, it was almost, but not quite, as hard to find a parking place on campus as when the students come back for the fall semester.

And there’s new scenery and activity opposite our offices in the IUPUI Administration Building, courtesy of IUPUI’s newly opened child care center, which will be formally dedicated during ceremonies scheduled for October 2.

Gerald L. Bepko
Chancellor
A THING of beauty is a joy for ever:
Its loveliness increases; it will never
Pass into nothingness; but still will keep
A bower quiet for us, and a sleep
Full of sweet dreams, and health, and quiet breathing . . .
Such the sun, the moon,
Trees old and young, sprouting a shady boon . . .

John Keats (1795—1821), “Endymion”

The Lilly ARBOR Project: Answers for Restoring the Bank of the River

With help from several community partners and funding from Eli Lilly and Company, IUPUI's Center for Earth and Environmental Science will build a floodplain forest along 16 acres of the White River in downtown Indianapolis, beginning this month and continuing into next spring.

As part of the Lilly ARBOR Project – Answers for Restoring the Bank of the River – some 2,000 trees will be planted along the urban riverfront to provide a field experiment for science-based environmental stewardship of a restored floodplain ecosystem. Faculty from at least four IUPUI schools (the Purdue School of Science and the IU Schools of Public and Environmental Affairs, Liberal Arts, and Education) will use the site for teaching and research.

Professors and students will monitor not only the trees but also weather, ground water, other flora, and fauna. The site along the east bank of the White River from 10th Street south to New York Street will be restored and maintained by IUPUI students, middle school and high school students, and volunteers.

Surveys from the 1820s identified 12 tree species including hawthorns, honey locusts, red maples, silver maples, and sycamores that once lined natural riverbanks in Indiana. The long-term evaluation of procedures to restore such trees to the White River floodplain should yield valuable insight into best practices in riverfront restoration for other urban areas.

Among the local, state, and federal agencies involved are Indy Parks, Indy Greenways, the Indiana Departments of Environmental Management and Natural Resources, the U.S. Army Corps of Engineers, and U.S. Fish and Wildlife Service.

When Does “Graffiti” Become “Aerosol Art”?

Two IU Herron School of Art students at IUPUI will create another “thing of beauty,” an “aerosol art” mural, for hundreds of youth who visit The Caring Place at 22nd and College, an outreach program run by Calvary Temple to steer young people away from drugs, gangs, and violence. Ben Long and Dan Thompson were formerly members of an underground group of graffiti artists who illegally painted on bridges and overpasses. Just as those who hope The Caring Place will turn negatives into positives for the youth they serve, Ben and Dan have given up graffiti in favor of aerosol art that they are commissioned to do by homeowners, businesses, and community centers. Their 4,500-square-foot mural for The Caring Place includes images suggested by program participants themselves: scenes of violence offset with messages of hope.

Indiana University Center for Excellence in Regenerative Biology and Medicine

Over the past 50 years, physicians have made remarkable progress in restoring damaged
and dysfunctional tissues through prostheses and organ transplants. Yet, many basic research challenges remain to be addressed before nerve and tissue regeneration becomes a reality as a means to restore quality of life to persons disabled by spinal cord injury or degenerative disease.

A team of seven biologists, including four IUPUI faculty members, has been awarded an $879,338 grant to establish a research center for the study of ways to regenerate human tissues and organs. The two-year grant from the 21st Century Research and Technology Fund of Indiana will found the Indiana University Center for Excellence in Regenerative Biology and Medicine at IUPUI. Team members began their research in 1999 with a two-year grant from Eli Lilly and Company. The new grant was awarded from a $50 million fund the state of Indiana established in 1999 to finance research and technology that will stimulate state economic growth.

Research team members are Ellen Chernoff, IUPUI biology professor and director of the center; Michael King of the Terre Haute Center for Medical Education of the Indiana University School of Medicine; Anthony Mescher and Anton Neff of the Medical Sciences Program, IU Bloomington; Simon Rhodes, biology professor at IUPUI; Rosamund Smith, Eli Lilly research scientist and adjunct biology professor at IUPUI; and principal investigator David L. Stocum, biology professor and Dean of the Purdue School of Science at IUPUI.

Fetal Alcohol Syndrome Center of Indiana Started At IU School of Medicine
Because of the number of cases of fetal alcohol syndrome seen at Riley Hospital for Children, David D. Weaver, M.D., and other faculty in the Department of Medical and Molecular Genetics at the IU School of Medicine have established the Fetal Alcohol Syndrome Center of Indiana. Its purpose is to diagnose children early and provide referrals to resources such as pediatric psychiatrists, developmental pediatricians, speech therapists, and physical therapists, who are key to helping children with alcohol-related neurodevelopmental disorders.

Fetal alcohol syndrome is the leading cause of mental retardation, and one of the most preventable forms of birth defect, yet one of every 750 children born in the United States suffers from it. The March of Dimes estimates that another 35,000 to 50,000 babies are born each year in the U.S. with alcohol-related neurodevelopmental disorders. They may have a lifelong struggle with problems such as attention deficit and poor judgment, memory, and impulse control. Fewer than 10 percent are able to successfully live or work independently.

Even with all the information available on the risks of drinking while pregnant, nearly 20 percent of women continue to drink. Most at risk are women who smoke, are single, are in college or have a degree, and live in households with incomes greater than $50,000.

Indiana Center for Intercultural Communication Makes Foreign Guests Welcome
When some 25,000 visitors from other countries converged on Indianapolis for the U.S. Grand Prix, they experienced Hoosier hospitality flavored with international savvy, thanks to the Indiana Center for Intercultural Communication, part of the IU School of Liberal Arts at IUPUI.

The ICIC helped train 1,500 volunteers and employees of hotels, restaurants, and banks as part of the Indianapolis Convention and Visitors Association's preparations for the city's first Formula One race. The tailor-made program included a simulation game in which participants role-played situations involving residents giving directions to tourists.

This past summer the ICIC sponsored Indiana’s first English for Specific Purposes Institute. The institute focused on strategies to help employees and supervisors overcome communication barriers and improve job performance in increasingly multi-ethnic workplaces.

ICIC’s founding director is Professor of English Ulla M. Connor, originally of Finland and a member of our faculty since 1984.
New Division of Community Dentistry at the IU School of Dentistry

Under the direction of Karen Masbaum Yoder, Ph.D., a part-time IU faculty member and well-known dental public health consultant in the state, a new Division of Community Dentistry at the IU School of Dentistry (IUSD) at IUPUI will both advance oral health at the community level and offer students experience in providing dental care in diverse community settings.

The dental school has a long history of community service, but the new Division of Community Dentistry hopes to both broaden the scope of its outreach. It will develop long-term relationships with various community agencies and equip graduates with skills that will allow them to better interact with a variety of patients. The agencies will partner with the school in its planning process and the evaluation and development of students, and the school will in turn offer the services of students and faculty. Services may include dental screenings, educational programs, and simple procedures such as dental sealants that help reduce decay in children's teeth.

Congratulations Are in Order . . .

For this year’s Indiana Health Industry Forum’s World of Difference Award Winners:

Steven C. Beering, retired president of Purdue University, whose contributions included working with the IU School of Medicine on our biomedical engineering program and establishing the Indiana Statewide Medical Education System. Incidentally, Steve has joined the Steering Committee for our Campaign for IUPUI as well as the committee for the Campaign for Medicine.  

Donald F. Kuratko, founder of the Ball State University Entrepreneurship Program and executive director of the Midwest Entrepreneurial Education Center, which has helped graduates start successful health-related businesses in Indiana.

And our own:

Herman B Wells Center for Pediatric Research, which aids Indiana's health care industry by offering world-class state-of-the-art treatment and research on diseases and conditions affecting children.  

George K. Stookey, Distinguished Professor of Dentistry and three-time IU alumnus, who revolutionized preventive dentistry worldwide as director of the "Crest stannous fluoride" project.

Sincerely,

Gerald L. Bepko
Chancellor
Largest Ever Lilly Endowment Grant Creates Indiana Genomics Initiative

In the 20th century, physics transformed society and improved general well-being. In the 21st century, it will be biology, a trend that has already been marked by this year’s unveiling of the complete sequencing of the human genetic code by the Human Genome Project, which occurred five years earlier than expected.

A $105 million three-year grant from Lilly Endowment Inc., the largest ever received by Indiana University and the largest single gift ever awarded by LEI, has positioned IU to take a commanding role in the next step, the promising field of genomics research. Genomics goes beyond mapping a raw sequence of data: the 60,000-100,000 genes in the human body. It involves understanding how the genetic codes work and what the sequencing means. Such discoveries would drive unprecedented changes in our ability to cure diseases and improve health.

The primary objective of the Indiana Genomics Initiative (INGEN) is to tackle such questions. It builds strategically on assets already in place at IU: a skilled cadre of scientists and technologists, our new School of Informatics, the Lilly Endowment-funded Indiana Pervasive Computing Research Initiative, the Regenstrief Medical Record System (funded in part by the Regenstrief Institute for Health Care), supercomputers, 3-D visualization labs, and the Advanced Research and Technology Institute’s ability to promote transfer of research knowledge to practical biomedical applications through patents and licensing.

Together these resources offer a unique combination of critical capabilities: the ability to capture and analyze vast amounts of data involving complex, detailed information on both large numbers of patients and on how tens of thousands of individual genes affect cellular and other functions in the human body.

IU President Myles Brand said, “The project will illustrate on a grand scale the truth that IU’s excellence is a public resource. That means we not only have an obligation to educate the state's citizens but to improve their quality of life and help create a 21st-century Hoosier economy. INGEN will enable us to do that in new and exciting ways.”
The Power of Two

Prompted by several recent news items, the rest of this letter is devoted in significant part to current examples of the IU/Purdue collaboration that is a defining characteristic of IUPUI.

$2.7 million Gift to IU and Purdue Aids Joint Spinal Cord Injury Research

Indianapolis Motor Speedway’s Mari Hulman George has contributed $2.7 million for endowed professorships in the Purdue School of Veterinary Medicine’s Institute for Applied Neurology and the IU School of Medicine’s Division of Neurosurgery. Her gift augments state funding of $1 million annually for two years, which was designated to provide stable operating funds for IU and Purdue in joint activities that create a bridge between basic science research and care of patients suffering spinal cord and head injuries.

The Federal Drug Administration has approved the Indiana University School of Medicine Head and Spinal Cord Injury Center at IUPUI as a site for the first human clinical trial of a new treatment for spinal cord injuries based on ones developed at Purdue for dogs suffering paralysis. The human clinical trial will test whether weak electrical fields applied to spinal cord injuries can promote better functional recovery through regeneration of injured spinal cord nerve fibers.

Purdue and IU Schools at IUPUI Offer Computer Information Systems Major Jointly

The U.S. Commerce Department estimates that more than 1 million new information technology workers – including systems analysts and programmers – will be needed by 2003. The Midwest has the highest demand, according to the Information Technology Association of America. Supplying enough qualified workers will be an increasingly challenging task.

A new computer information systems major, a collaboration between the IU Kelley School of Business and the computer and information science department in the Purdue School of Science at IUPUI, hopes to help fill that need so that Indiana area employers will have a better chance of hiring graduates interested in jobs involving both management and technical skills.

This new departmental major follows on the heels of other university efforts to meet the growing demand for computer information systems and information technology skills, alone or in combination with other majors.

For example, IUPUI started admitting students to its “new media” program in the fall of 1998. This fall, it became part of the new IU School of Informatics, based at both Indianapolis and Bloomington, the first new school established at Indiana University in more than 25 years.

To help support the new School of Informatics, IU is seeking $16 million in 2001-2003 operating appropriations as its highest budget priority from the Indiana General Assembly.

Relief for Highway Construction Project Management Coming down the Pike

Thanks to a new class offered this fall in the Purdue School of Engineering and Technology at IUPUI, construction technology students can develop special expertise that
would provide much-needed project managers for highway construction sites. Professor Hadi Yamin decided to offer the class after a survey of public street departments and private construction firms showed that such skills are in short supply. The class, the first of its kind to be offered at the school, enrolled 15 working engineers and technologists, as well as undergraduate students.

Traffic flow, highway drainage, pavement design, the bidding process, and quality control were among the topics covered. It will be offered again next semester to students with academic or work experience equivalent to junior standing.

**Engineering Students Modify Toy Jeep to Accommodate Boy’s Special Needs**

For Mike Venne and Scott Blackwell, students in the Purdue School of Engineering and Technology at IUPUI, completing their senior design project meant more than just a grade; it meant independence for a six-year-old boy with severely limited mobility.

Ian Farrar has never walked, much less run. With only partially developed limbs, the only way he can move himself at all is to roll short distances. As part of an ongoing program to aid disabled children, the students modified a battery-operated jeep, donated by toy manufacturer Peg Perego. Using his fully formed right arm, Ian can grasp a joy stick and drive the vehicle.

“Most engineering students have analytical minds,” said Chuck Dietzen, Ian's doctor and clinical assistant professor of physical medicine and rehabilitation in the IU School of Medicine, “but this gives them the opportunity to use their hearts.” Dr. Dietzen matches IUPUI engineering students with children who need, but cannot afford, special devices. All materials are donated.

Ian’s story and the students’ project, which involved both electrical and mechanical engineering expertise, were featured in the December 8, 2000, issue of the Indianapolis Star.

**Long Lost Vietnam-Era Works by Combat Artist on Display at Indianapolis Art Center**

Our mission,” says Richard Emery Nickolson (Specialist 4th Class, U.S. Army Combat Artist Team XI), “was simply to document military and civilian life in Southeast Asia in 1970-1971. The only stipulation was not to do anything which would go against our consciences or our integrity as artists. Without this, there is no real power of documentation or true witnessing.”

Nickolson, who has been a professor of painting and drawing in the IU Herron School of Art at IUPUI since 1973, was drafted while in graduate school at IU and became a member of the Vietnam Combat Artist/ Illustrator Program. Unfortunately, the works of Nickolson and his Vietnam-era colleagues were lost while sitting on a dock in Bangkok, waiting to be shipped back to the United States. Some 30 years later, art collector and Navy Seals veteran Dr. Christopher Stack found some of them at the Center for Military History and arranged for the recovered works displayed at the Indianapolis Art Center, 820 E. 67th Street, until January 7. For more information, call (317) 255-2464 or e-mail inartctr@inetdirect.net.

**Christmas Cheer and Cheers at IUPUI**
Each Christmas, the occupants of the IUPUI Administration Building are treated to the singing of Christmas carols by children enrolled in IUPUI’s child care center. With the opening of the new IUPUI Center for Young Children, and its increased capacity, the number of carolers has outgrown our lobby where their annual concerts take place. This year, we left our offices to visit them instead and hear the children’s always exuberant renditions of holiday songs.

The children, however, have not yet learned the lyrics to “Let's Go Jags!” – IUPUI’s new collegiate fight song. Accompanied by IUPUI's pep band, the IU Singing Hoosiers and the Purdue Musical Organization debuted the new fight song in November, at our basketball season tip-off luncheon. Gary Fry, a talented composer from Chicago, wrote the words and music, including this verse, my personal favorite:

We're raising by the power of two  
    Both Indiana and Purdue  
Doubly strong, we're ever true  
    To IUPUI

Gerald L. Bepko  
Chancellor

P.S. IUPUI Jaguars season tickets can be ordered with the enclosed brochure. Also enclosed is Indiana’s CC-40 form to remind you to consider a year-end gift to the Indiana college or university of your choice.