

TRANSITIONS

Civil Engineering Newsletter from Purdue

Volume 5, Issue 2 Fall/Winter 2000

WANTED: LEADER, INNOVATOR, VISIONARY AND MORE

Finding one individual who meets all the qualifications envisioned by students, faculty and alumni for Civil Engineering's new head sends a challenging serve to the search committee. As applications have been reviewed and interviews have begun, confidence is building that an ace candidate soon will be found.

Among the stellar strengths sought: leadership, administration, research, teaching, innovation, development and communication.

"We'd like to find a prominent civil engineering educator who can build on the strengths of the School and carry it to even higher achievements," says Richard Schwartz, Dean of the Schools of Engineering.

"We're looking for someone with a good academic background, strong research credentials and outstanding leadership skills." Admitting that's a tall order, he adds,



Dean Richard J. Schwartz

continued on page 9



Dr. Martin C. Jischke

INTRODUCING PURDUE'S NEW PRESIDENT...MARTIN C. JISCHKE

Martin C. Jischke, formerly president of Iowa State University, has become Purdue University's tenth president. The announcement came at a press conference held May 23, 2000, on the West Lafayette, Indiana, campus. J. Timothy McGinley, chairman of the Purdue Board of Trustees, announced the selection of Jischke following an eight-month national search for a successor to Steven C. Beering, who stepped down this summer after 17 years as president.

The board unanimously confirmed the appointment at its June 1, 2000 meeting, and Jischke assumed the responsibilities of the office on August 14th, a week before the beginning of the fall semester. Jischke (pronounced JIS-key) was one of five final candidates forwarded to the trustees by a 14-member search committee, led by McGinley and composed of trustees, faculty, students, administrators, and alumni.

"Members of the board met individually and in small groups with each of the finalists in a variety of settings," McGinley said. "We were dealing with a stellar group of people, but without exception, the individual trustees listed Dr. Jischke as their first choice, based on his accomplishments and on his fit with Purdue."

"He brings a strong record of achievement, as well as ideal talents and background. Not only has he been at the helm of a major land-grant university for nine years, he also has an exceptional academic record in both teaching and research, and he has been a highly effective university administrator at all levels."

Before coming to Purdue, Jischke, 58, had served as president at Iowa State in Ames, Iowa, since 1991. Before that he led the University of Missouri-Rolla as chancellor for five years. He served the University of Oklahoma for 17 years as the director of and a professor in the School of Aerospace, Mechanical and Nuclear Engineering; Dean of the College of Engineering; and Interim President.

"I have worked with the Purdue administration and faculty for many years and hold them in the highest esteem," Jischke said. "Purdue has benefited from outstanding leadership from Steve Beering and is internationally known for its scholarship and research. I feel privileged to join the Purdue team as it enters the new millennium. Purdue is a world-class university that has great momentum, and opportunities for the future are even greater. I am very excited about this opportunity."



For more information, visit Purdue's web site at: <http://www.purdue.edu/oop/president/>



Dr. Daniel Halpin Named as Interim Head, see page 4



Civil Engineering Advisory Council

Nicholas J. Aschliman - Vice Chair
ATC Associates

Joseph R. Broyles
Indianapolis Water Company

William F. Brumund
Golder Associates

Christopher B. Burke
Christopher B. Burke Engineering

Bryan A. Erler
Sargent & Lundy Engineers

Harold F. Force
Force Construction Company, Inc.

Susan M. Frey
Ch2M Hill

Michael D. Kerr
Huber, Hunt & Nichols, Inc.

Angela T. Jenkins
DuPont

Gary R. Kent, L.S.
The Schneider Corporation

Robert K. Law
Charles Pankow Builders

William M. Lyles III
Lyles Diversified

James A. Maple
J. A. Maple & Associates

Rosalie Flack Morgan
Engineering Management
Consulting Services, Inc.

Za-Lee Moh
Moh and Associates, Inc.

Alex D. Oak - Chair
Paul I. Cripe, Inc.

Michael A. Pierle
Solutia Inc.

Dan R. Stoppenhagen
Fluor Daniel

Philip J. Stutes
John Chance & Associates

Stephen F. Weintraut
Butler, Fairman and Seufert

FEATURES...

Transportation Lab Named in Honor of Harold Michael

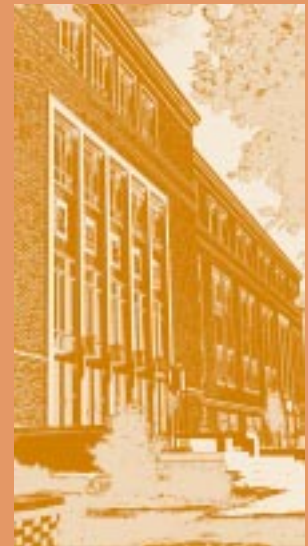


Alumni Carry Torch for World-Class Lab



Faculty News	4-5
New Faculty and Staff	5
Area Features	6-9
Michael Transportation Laboratory	6
Alumni Carry Torch	7
Victory from Defeat	8
Environmental Open House	9
Student Features	10-13
Goldberg Fellowships	10
Internet Course	10
Steel Bridge Team	11
CE Job Market	12
N.A.P.A. Scholarships	13
Alumni Features	14-19
CE Open	14
CE Breakfast	15
Fritz Leonhardt	15
Engineering and the Peace Corps	16
Alumni Updates	17-19
Civil Engineering Donors	20-26
Development	27
Calendar of Events	Back Page

Editor **Stuart Jones**
Assistant **Diana Evans**
Contributing Writer **Kathy Mayer**
Design & Layout **Engineering Productions Office**



School of Civil Engineering

Daniel W. Halpin
Interim Head

James E. Alleman
Assistant Head

V. James Meyers
Assistant Head

Julio A. Ramirez
Assistant Head

Area Heads:

Daniel W. Halpin
Construction Engineering & Management

Chad T. Jafvert
Environmental & Hydraulic Engineering

Adolph G. Altschaeffl
Geotechnical Engineering

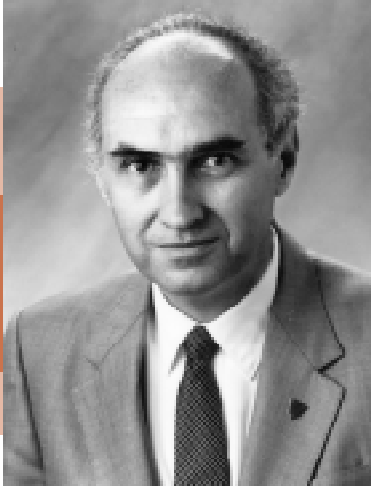
Jan Olek
Materials Engineering (Civil)

Mark D. Bowman
Structural Engineering

Edward M. Mikhail
Geomatics Engineering

Kumares C. Sinha
Transportation and
Infrastructure Systems Engineering





Dr. Daniel W. Halpin
Professor and Interim Head
School of Civil Engineering

Dear Alumni and Friends,

We are in a time of transition. A time that challenges us to look at where we've been and envision where we need to be going. As you know, Vince Drnevich stepped down as Head of the School of Civil Engineering on June 30. I am honored to be serving as the interim Head during the period of searching for a new Head. The search committee has been active since early last spring, and a slate of outstanding candidates has been identified. We are presently interviewing these candidates. This is always an interesting period since the interviews typically lead to a period of reflection and reconsideration of our goals, traditions, and procedures. Such a self study activity is healthy and appropriate at this point in the history of the School.

Of the faculty members who were here in 1987 when I arrived at Purdue, 22 remain active. Our faculty size is now 52 so our level of turnover is close to 60 percent during the past 13 years. The composition of the faculty has changed substantially. This, of course, is to be expected.

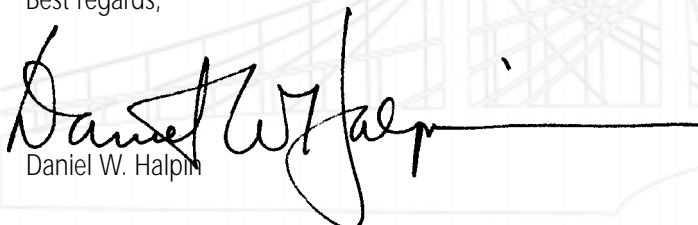
As we enter the millennium, new challenges are confronting Civil Engineering as a discipline and the School of Civil Engineering at Purdue in particular. During the Spring of this year, a workshop was held at MIT to consider the future of Civil Engineering and the changes that Civil Engineering Schools will confront in the coming decades. The general atmosphere as reported by a number of colleagues who attended was one of "gloom and doom." In fact, there will be change. But remember change offers opportunity as well! At Purdue, we are poised to make great strides forward. We have an outstanding faculty with the center of gravity moving towards youth and innovation. The School has been able to recruit exceptional young faculty such as Marika Santagata, John Haddock, and Judy Liu. Both Marika and John joined the faculty this fall. Judy will come on board after the first of the year.

As reported in the last newsletter, we are working towards the construction of a new High-Performance, Large-Scale Laboratory, which, at approximately 50,000 square feet, will be one of the largest facilities of its type in the country. In addition, the future construction of a new Engineering building at the corner of Northwestern and Stadium (just behind the Civil Building), will create new space for some schools and organizations currently occupying space in the Civil Engineering building. As a result, Civil Engineering will regain some of that space which will then offer us the opportunity to expand, enhance and renovate labs and offices.

Our new President, Martin Jischke, assumed his duties in August and has made a very positive impression on everyone who has met him and heard him speak. President Jischke is an engineer by background. He clearly understands the pre-eminent position that engineering at Purdue holds in the scheme of things. This certainly bodes well.

I think that all members of the faculty and staff are very upbeat about our School's future. Rather than "gloom and doom," the future looks very bright as we see it! As alumni and friends we look forward to working with each of you to reach new levels of excellence. With your help and support we can accomplish great things.

Best regards,


Daniel W. Halpin

Professor **Julio Ramirez** has been appointed a member of the Technical Activities Committee of the American Concrete Institute. This committee is responsible for the content of all the Institute's technical publications, the work of the committees and the programs at conventions.

Professor Ramirez has also been recommended to serve as a member of the Graduate Council of Purdue University for a three year term.

In addition Professor Ramirez has been invited to participate in the Second US-Japan Workshop on Performance-Based Seismic Design Methodology for Concrete Buildings, tentatively scheduled for September 12 & 13th, 2001 in Hokkaido, Japan. US and Japanese participants include both academic researchers and practicing structural engineers. The workshop supports and is an integral part of the U.S.-Japan Cooperative Research in Urban Earthquake Disaster Mitigation program (sponsored by Monbusho and The National Science Foundation), as well as of the performance-based earthquake engineering programs sponsored by the Pacific Earthquake Engineering Research Center (PEER).



Professor **Rodrigo Salgado** was the Gladden Senior Fellow at the Center for Offshore Foundations Systems, University of Western Australia, in Spring, 2000. He also spent 50 days as a Visiting Associate Professor at the University of Newcastle in Australia.



FACULTY AWARDS



Professor Emeritus Jacques Delleur

2000 Planning and Management Council's Service to the Profession Award

Dr. Jacques Delleur has been chosen to receive the year 2000 Planning and Management Council's Service to the Profession Award. Dr. Delleur is Professor of Hydraulic Engineering. He was an original petition signer for the formation of the Water Resources Planning and Management Division (now part of the Environmental and Water Resources Institute) and for the creation of the Urban Water Resources Committee (now Urban Water Infrastructure Committee of the Infrastructure Council). Much of Dr. Delleur's experience has been of the international flavor. He co-organized an International Symposium on Urban Hydrology and was co-editor of the proceedings, published in 1983. Dr. Delleur has been instrumental in the Society's interest in maintenance and rehabilitation of urban storm water infrastructure.

PROMOTIONS

Congratulations to the following faculty members who were promoted to Associate Professor with tenure.



Larry Nies



Srinivas Peeta



Andrzej Tarko

HALPIN SERVES AS INTERIM HEAD



Professor Daniel Halpin (left) with alumnus Mike Falk (right), BSLS '83at the CE Breakfast.

A global perspective; 25 years' experience as an administrator; and depth of knowledge in construction simulation, automation and robotics all pointed to Daniel Halpin as the best candidate to serve as Civil Engineering's interim head while the search for a permanent head is underway.

He was appointed to the post in July by Richard Schwartz, Dean of the Schools

of Engineering, when Vince Drnevich stepped down to resume teaching and research. "Dan has served Purdue with distinction for many years, and he brings to the position a knowledge of CE's operations and a lot of administrative experience," Schwartz says.

A professor and head of Civil Engineering's Division of Construction Engineering and Management, Dr. Halpin previously was Clark Chair in Civil Engineering at the University of Maryland, and from 1973 to 1985, he headed the Construction Program within Civil Engineering at Georgia Institute of Technology in Atlanta.

Widely Published

Dr. Halpin graduated from the U.S. Military Academy at West Point in 1961 and served in the Army Corps of Engineers in Europe, Vietnam and the U.S. He holds a master's and doctorate in civil engineering from the University of Illinois at Urbana. He's published more than 60 papers and five textbooks, some in German, a language he speaks and writes fluently.

International Experience

He's also held visiting professorships in Australia, Switzerland and Germany.

"His knowledge of both engineering practice and education in several other countries is pretty astonishing," notes Robert Tener, P.E., Ph.D., Consulting Executive in Civil Engineering and Director of Internships for Construction Engineering and Management at Purdue.

Another plus, says Tener: "He applies his insights about the real challenges, near-term and long -range, which civil engineering faculty face both here and in other top programs in the U.S."

NEW FACULTY



John E. Haddock joined the School of Civil Engineering as an assistant professor in July 2000 and is a registered Professional Engineer in Indiana. He received a B.S. in Physics from Purdue in 1987, an M.S. in Civil Engineering from Purdue in 1993, and a Ph.D. in Civil Engineering in 1998 from Auburn University. He has worked in private industry as a materials engineer, as a senior research associate for the National Center for Asphalt Technology, as a research engineer for the Indiana Department of Transportation, and as a district engineer for the Asphalt Institute. Over the years he has been responsible for the production of asphalt mixture designs, forensic pavement investigation, and pavement design and analysis. His research experience includes participating in research to adapt Superpave techniques and specifications to specialized hot mix asphalt mixtures, preparation of specialized hot mix asphalt construction guidelines, development of new test methods, non-destructive pavement testing, and accelerated testing of hot-mix asphalt pavements.

Dr. Haddock's current research interests include bituminous materials and mixture design, pavement design, non-destructive pavement testing, pavement materials including aggregates and soils, pavement management, and pavement failure investigation.



Marika Santagata joined the School of Civil Engineering in August 2000, as an assistant professor. A native of Italy, Dr. Santagata received the degree of Laurea (B.S. + M.S.) in Civil Engineering in from the University of Ancona, Italy in December of 1990. She completed her education at the Massachusetts Institute of Technology in Cambridge, MA where she earned her M.S. in 1994 and her Ph.D. in 1998, both from the Department of Civil and Environmental Engineering. At MIT she was involved in both experimental and theoretical research in the area of geotechnical engineering, investigating topics such as the effects of sampling disturbance on soft clays, the behavior of suction caisson foundations, and the modeling of shallow undrained penetration in saturated clays. Her dissertation focused on the characterization of the small strain stiffness and small strain non-linearity of cohesive soils. During 1996 and 1997, on leave from her doctoral work, Dr. Santagata joined the Department of Earth and Materials Sciences of the University of Ancona as a research associate. During this period she co-taught the core course on the mechanical behavior of construction materials, and supervised research on topics including microcement based grouting, compatibility of calcium-magnesium acetate deicers with concrete, controlled low strength materials, and interface resistance of thin bonded overlays. Following the completion of her Ph.D., she resumed her position at the University of Ancona for over a year, and was promoted to research associate with tenure in April of 2000.

Dr. Santagata's current research interests are experimental soil mechanics, ground improvement, and soil behavior.

STAFF NEWS



In mid July, **Diana Evans** joined the Civil Engineering Development Team as the new Development Secretary for Stuart Jones (replacing Taya Cook who moved to Delaware).

She is enjoying her new position and comes to Civil with fresh ideas from her development background. Diana and her family recently moved to Lafayette from southern Illinois where Diana worked for Lincoln Trail College on community outreach programs and was secretary for the athletic department/alumni relations. Diana's husband Rick Evans also works at Purdue University in Sponsored Program Services as a contract analyst. They have two daughters Jessica (age 12) and Jenna (age 8).



Professor **Adolph G. Altschaeffl** will retire in December 2000 after an academic career at Purdue University that has spanned over 48 years. He earned his bachelor's (1952), master's (1955) and Ph.D. (1960) degrees at Purdue University.

Prof. Altschaeffl began his teaching career at Purdue as an Instructor in Civil Engineering in 1952. In 1960 he became an Assistant Professor in Civil Engineering and was promoted to the rank of a Professor of Civil Engineering. He was Assistant Head of Civil Engineering from 1983 to 1991. He has served as Head of the Geotechnical Engineering area since 1994.

The role of an academic, according to Prof. Altschaeffl, is to serve the university community and society through teaching, research and service activities. During his 48 years at Purdue, Prof. Altschaeffl taught 32 different courses and served as major professor to approximately 100 students. This association with a large number of students has led to numerous technical publications. Prof. Altschaeffl is a member of a number of professional and scholarly societies. He also serves on the JTRP board and has been actively engaged, together with INDOT engineers and the geotechnical engineering faculty, in identifying research that can help INDOT engineers solve their most difficult problems. He has served on the University Senate and on the Engineering Area Promotions Committee. He was involved for thirty years in the planning and logistics of University commencement exercises.

Prof. Altschaeffl has served since 1960 as Advisor to Purdue Physical Plant on soils and foundations for all continuing development of University physical facilities. This work involves the writing of construction specifications dealing with earthwork and foundations, the planning and supervision of site exploration programs and the design of foundations and other geotechnical structures. Perhaps the most important characteristic of Prof. Altschaeffl is an abiding concern for students and for their experience while at Purdue University. He was often sought for advice and counseling, and has helped many students and colleagues. This dedication to the people that go through our program in geotechnical engineering in the School of Civil Engineering is his most important legacy to Purdue University.

TRANSPORTATION LAB NAMED IN HONOR OF HAROLD MICHAEL

The legacy of one of the true transportation engineering pioneers at Purdue University was preserved on September 26, 2000 with the dedication of the Harold L. Michael Traffic Operations Laboratory in the School of Civil Engineering. Very active in transportation engineering until the day he died, Professor Michael passed away in August 1999 at the age of 79 while attending the annual convention of the Institute of Transportation Engineers in Las Vegas, Nevada.

Over 100 Purdue faculty, staff, and students, as well as Professor Michael's son, Edward Michael, and numerous associates and friends attended the dedication ceremony. Speaking in his honor and sharing personal reflections of Professor Michael were Dean of Engineering Richard Schwarz, Interim Head of the School of Civil Engineering Professor Dan Halpin, Olson Distinguished Professor of Civil Engineering Kumares Sinha, and Indiana Department of Transportation Commissioner Cristine Klika (BSCE '78). Edward Michael unveiled the plaque for the new facility and expressed his family's appreciation for this living memorial of their father's lifelong commitment to Purdue and transportation engineering. In her remarks, Commissioner Klika marveled at Professor Michael's enduring influence and historical impact in his field, "He was such a great force for transportation, and it's wonderful that he's being honored as we move into the 21st century."

Designed to educate new civil engineers in the field of Intelligent Transportation Systems, the new laboratory is being funded mainly through the Joint Transportation Research Program (JTRP). Founded in 1937, JTRP, originally known as the Joint Highway Research Project (JHRP), is an ongoing research partnership between Purdue University's School of Civil Engineering and the Indiana Department of Transportation. Professor Michael was an active participant in the program since 1954 and its Director for many years. He was a member of its Advisory Board at the time of his death. He helped to establish this highly successful program as a model for cooperative efforts between academia, government, and private industry in the identification of engineering problems and their solutions. Many participants in JTRP have gone on to become influential professionals in the field of transportation around the world.

The new laboratory has the capability of studying traffic data in real-time using video cameras that feed directly to the laboratory in contrast to past and current methods that use field-collected data, which is both delayed and prone to human error. Another component of the laboratory is sophisticated traffic simulation equipment, somewhat like a flight simulator, that mimics traffic flow at several intersections simultaneously. The ultimate goal of the Harold Michael Laboratory is to become a training ground and on-line source of real-time data for transportation professionals in Indiana.

Professor Michael was a lifelong resident of Indiana. He had a meritorious service record in the U.S. Army and served in five campaigns in Europe in World War II. Upon returning from military service, Professor Michael received his Bachelor of Science in Civil

Engineering from Purdue in 1950 with highest distinction as well as his Master's of Science in Civil Engineering in 1951. He joined the faculty at Purdue upon receiving his master's degree and remained there for 40 years. From 1951 to 1954, he served as the Director of Urban Transportation Studies, on loan by Purdue University to the Indiana State Highway Commission. During that time he was also an instructor and research assistant at Purdue. In 1954 Professor Michael became Assistant Professor of Highway Engineering and in 1956 attained the status of associate professor. He was promoted to professor in 1961 and was the Head of the Transportation and Urban Engineering area in Civil Engineering from 1961 to 1978. He became the Head of the School of Civil Engineering at Purdue in 1978, a post that he held until his retirement in 1991. To honor his accomplishments, Purdue bestowed Professor Michael with an honorary doctorate of engineering in 1992.

An extremely active participant and leader in many professional and technical organizations throughout his career, Professor Michael was honored with many awards that were testimony to his stature as an authority in transportation engineering, including induction into the National Academy of Engineering in 1975 at the age of 55. He was very active in the West Lafayette community as well and was the first and only head of its Traffic Commission, which was established in 1956, a post he still held at the time of his death. Professor Michael also was the first and only chairman of the Tippecanoe County Technical Highway Committee, an advisory panel of the Area Plan Commission created in 1965. He was also a dedicated member of Rotary International and Redeemer Lutheran Church and was a very active alumnus in the Purdue Class of 1950.

"The colleagues and students who were privileged to work with Professor Michael will always remember him as a humble and compassionate man," said former colleague and close friend, Professor Kumares Sinha. "He was an intelligent and innovative scholar and humanitarian who quietly and willingly contributed many years of service to his alma mater, his community, and his profession." Professor Sinha further commented that it is fitting that this first of its kind laboratory in Indiana be dedicated to Professor Michael, as the teaching and research activities planned there are intended to advance the field of traffic engineering that he so dearly loved.



Edward D. Michael (son of Harold Michael) unveiling the plaque for the new lab.



Attendees take a tour of the new Harold L. Michael Traffic Operations Laboratory with graduate student guide, Bill Eidson (far left).



Kumares Sinha, Olson Distinguished Professor

ALUMNI CARRY TORCH FOR WORLD-CLASS LAB



Alumni such as Vern Casteel (BSCE '57) (center), look over and discuss the School's plans to construct a new High-Performance, Large-Scale Laboratory.

Well before the XXVII Olympiad returns in 2004 to its Grecian birthplace and the center of the world's earliest civil engineering feats, results from CE's new, world-class, High-Performance, Large-Scale Laboratory at Purdue University will be contributing sound findings to the structures the world creates for generations to come.

Fueling the momentum: our own alumni, who understand CE's role as torchbearer to the world and the need for a high-performance, large-scale lab unlike any other facility. Words such as unparalleled, unprecedented and unrivaled touch on the expected impact of the planned 50,000-square-foot lab. And "Olympic" describes its scope, breadth and spirit.

Early Gifts Hearty Endorsements

"Already, significant gifts have been pledged by some of our alumni," says Stuart Jones, Director of Alumni Relations and Development. "But it is very early in the campaign and we are looking for more alumni who have the same vision to help us share this dream through their financial gifts." According to Jones, "To date, we are close to the \$3 million dollar mark, but need approximately \$5 million to break ground, and a total of \$9 million to complete the project."

Reflective of the alumni response to the project, Vern Casteel (pictured above) (BSCE '57), of Casteel Construction Corp. in South Bend, Ind., gets right to the point, "To be first class, we need it. It's awfully, awfully important."

On a recent campus visit, Casteel toured CE's current facilities. "Everything is so crammed, there is so much going on, we just couldn't do the big things. And you've got to be able to if you're going to be at the top."

Stephen Bechtel (BSCE '46, HDR '72), chairman emeritus of California's Bechtel Corp., says he, too, strongly endorses the project. "If you're going to be a leading engineering school, you've got to be equal with the best or even better with all your facilities. I have a lot of confidence in Purdue having figured out what's important. That's a plus right there."

He's also interested in the potential the facility offers in structures design research. "Better information would be helpful in getting good designs, economic designs, designs that are safe. That makes this a very positive, very favorable program."

Winning the Gold For the Black and Gold

Just one of the "big things" will be in the area of earthquake structure testing, notes Richard Schwartz, Dean of the Schools of Engineering. "The new lab will place us in a very competitive position for funding expected in this area from the National Science Foundation. And it will allow us to work with various companies, helping them in their structural testing."

The planned space includes a bolted-down structural floor covering half of the football-field-sized building; a mezzanine; upper and overhead walkways; overhead crane; and conference room, offices and shops.

The facility will accommodate testing of high-performance steel, high-performance asphalt, stronger-than-ever-before concrete and other materials, evaluating their soundness, durability and efficacy in a myriad of combinations and structures. And all will be done in a full-scale or near-full-scale environment, particularly where computer modeling and small-scale testing cannot extrapolate to large-scale.

The Team Approach

In true Olympic style, Civil Engineering understands the next level in research is a multidisciplinary and interdisciplinary approach, integrating disciplines to solve problems that impact many branches of knowledge. Creating the new space will encourage interaction among Purdue's researchers in science and engineering. And it could even encompass civil, aeronautical, agricultural, chemical, mechanical, electrical, materials, industrial and computer engineering, as well as agronomy, forestry, landscape architecture and building construction management.

Work on the academic program that will be incorporated in the new lab is already well under way, reports Professor Julio Ramirez. Its focus, a parallel to the facility's Olympic dimensions and scope, will position Purdue students to garner the gold academically.

"There's no question that Purdue's Civil Engineering is a leader, and we should remain a leader," Casteel says. "It takes this type of facility to do it."

RESEARCH SNATCHES VICTORY FROM DEFEAT

A team of Purdue University engineers and scientists recently spent three weeks in the Duzce-Bolu region in Turkey investigating the effects of a series of earthquakes that shook the region in the fall of 1999.

Prof. Mete Sozen, the Kettelhut Distinguished Professor of Civil Engineering at Purdue University, says the destruction in Turkey is the worst he has ever seen. "Millions of people slept in the streets on a Friday night when a seismologist's warning of a possible repeat of the earthquake was misunderstood," Sozen says.

Back-to-back earthquakes cut through the heart of an industrial center, killing thousands, displacing hundreds of thousands, and leaving the nation of Turkey overwhelmed. Earthquakes can't be stopped, neither can the destruction that they bring. The destruction of an area's infrastructure can be reduced, however. Buildings don't have to collapse killing hundreds of people. Thus, structural research can be conducted in the aftermath of an earthquake to better understand how to construct future buildings to withstand the destructive force of an earthquake. And whom do you call upon for such important research? You call upon the best! You call the structural and geotechnical experts from Purdue University's School of Civil Engineering to take on the research project!

The project is being sponsored by the National Science Foundation. The research is a cross-disciplinary effort that includes Purdue faculty from structural engineering (Robert J. Frosch, Julio Ramirez, and Mete Sozen), geotechnical engineering (Antonio Bobet), and the department of earth and atmospheric sciences at Purdue (Arvid Johnson and Ken Ridgway). The expedition to Turkey included the faculty as well as eight undergraduate and graduate students from Purdue. The research concentrated on rapid assessment surveys as well as detailed damage studies in three cities including Duzce, Kaynasli, and Bolu.

The specific and sole objective of the work is to gather, collate, and archive for distribution data related to the assessment of urban building seismic vulnerability to earthquake from this region in Turkey. The work will focus on the damage caused by the November 12th event and is being carried out by faculty and students of Purdue University cooperatively with the University of Notre Dame, the University of Illinois, and the Middle East Technical University, Ankara.



The distinctive feature of the project is that the final product will include a database (to be found at: www.AnatolianQuake.org) containing information selected by a cohesive group of structural engineers, geotechnical engineers, and geologists. This information is presented in a manner to be understood by researchers in all three disciplines so that cross-cutting hypotheses about urban earthquake-risk can be tested. Availability of these data, focused on specific locations of heavy and light damage to the built environment, will provide a rich and useful database to geologists, geotechnical engineers, and structural engineers working jointly or independently to test and develop methods for assessment of earthquake vulnerability. Additional findings can also be found online at the Earthquake Engineering Research Institute's web site at: www.eeri.org

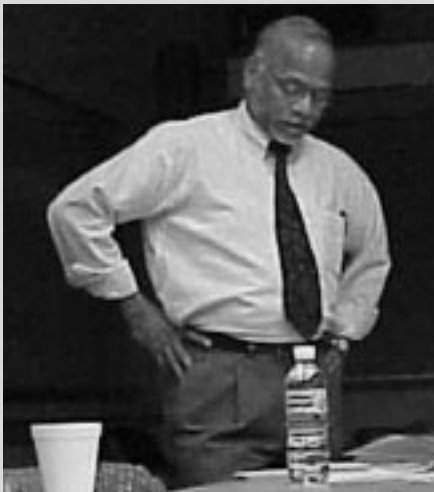


Members of the National Science Foundation research team sent to Turkey, including Professors Frosch, Ramirez, Sozen, and Bobet from Purdue Civil Engineering

ENVIRONMENTAL AND HYDRAULICS OPEN HOUSE

On March 2, 2000, the Environmental & Hydraulics area of Civil Engineering hosted the first ever 'Open House' for prospective graduate students. After the welcome and presentations, there was an introduction of students and a question and answer session. More faculty joined in as Suresh Rao led everyone in a working lunch with more questions and answers. The students then had a chance to tour the Civil facilities, including the labs and the campus. Over all, it was a wonderful chance to show off CE 'stuff' to the students and to reinforce to each other the School's strengths and the great program found in the Environmental and Hydraulics area of Civil Engineering.

Many thanks to those who donated time and expertise to this event. Jim Alleman presented a warm welcome and an overview of the School. Marcie Duffin gave an overview of the graduate program in Civil. Chad Jafvert gave an area overview. P. Suresh Rao was representative of the Graduate Committee and host. S.R. Govindaraju presented Hydraulics and Hydrology. Inez Hua gave a Water/Wastewater presentation. Juan Carlos Ramirez, Doctoral student for Robert Jacko, gave a presentation on Air Quality, and Zachia Parrish, a graduate student in Environmental & Hydraulics, graciously hosted a student from Alabama.



Suresh Rao, Rieth Distinguished Professor in Civil Engineering, welcomes prospective graduate students



Potential grad students attending the first Environmental and Hydraulics Open House.

Wanted: Leader, Innovator, Visionary and More

continued from front page

"And when that person finishes walking across Lake Michigan, we'll start on the ocean."

Student Supporter

Interactive, cooperative relationships with both students and faculty top the list for CE student Alison Adele Hunyar. She'd also like to see strong support for student organizations. "I think someone who acknowledges the valuable education that students receive outside the classroom would make an ideal head."

Motivator

Leading and at the same time supporting the faculty are a top priority in the position announcement. "We need somebody who is able to motivate and empower the faculty. That's the big one," says alumnus Susan Frey (BSCE'76 and Senior Structural Engineer with Ch2M Hill, Inc. in Corvallis, Oregon). "The head has to keep the faculty engaged, wanting to stay, and giving them growth paths."

Motivating alumni also is important, Frey believes. "You need to bring in alumni and industry support, too."

Consensus Builder

"The new head must be able to continue the outreach efforts in getting the alumni community involved with the school," echoes alumnus Christopher Burke (BSCE'77, MSCE'79, Ph.D.'83 and President of Christopher B. Burke Engineering Ltd in Rosemont, Illinois). "It's got to be someone who can set a clear direction and get consensus from a lot of different groups."

Taking on the task as members of the Head Search Committee are Professors Mark Bowman, Chair, Ernest Blatchley, Jon Fricker, Steven Johnson, Jan Olek, Phillippe Bourdeau Kumares Sinha, Elisa Sotelino, Ronald Wukash, and Dr. Robert Tener, consulting executive and director of internships.

Although the committee has not set an exact timetable, expect a strong volley as they narrow their search.

GOLDBERG FELLOWSHIPS FUND PROMISING STUDENTS, RESEARCH

All that glitters isn't gold. In this case, it's concrete and steel, thanks to two John E. Goldberg Fellowships in Civil Engineering established by the late professor's wife, Dorothy Goldberg.

This year—the golden anniversary of the Goldbergs' arrival at Purdue—two structural engineering graduate students are continuing their studies and research in the area Dr. Goldberg devoted his life to.

Eric Tompos' research is bringing new knowledge on the shear strength of reinforced concrete beams. "The fellowship made the research I am doing possible," he says. "It's totally defined my graduate experience, which has gone far beyond all my expectations."

Kara Elliott, in her first year of graduate studies, says, "My interests lie in the structural analysis and design of both reinforced and prestressed concrete structures. This fellowship allows me to concentrate on these studies." Her career goal is to work on analysis, design, and rehabilitation of concrete structures.

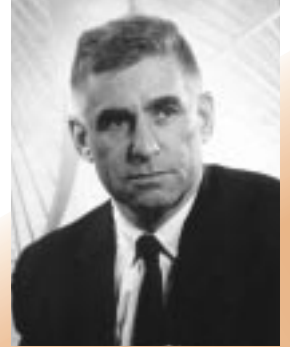
Their interests mirror Dr. Goldberg's, whose work in determining wind stresses in multistory buildings, treating translational vibrations within tall buildings, and predicting the lateral buckling of frames was recognized internationally. Besides 25 years of teaching at Purdue, his career included serving as expert consultant for Chicago's 100-story John Hancock building, ship research, director of the National Science Foundation, several visiting professorships, and countless other structural engineering projects.

Dr. Goldberg, who was academic head of Purdue's Structural Engineering studies at his retirement in 1975, was the first to receive the ASCE Nathan Newmark Medal, in 1976, for his pioneering work "in a wide range of problems in structural engineering and structural mechanics." The following year he received the Senior Scientist Award of the Alexander von Humboldt Foundation of West Germany.

While his fame was worldwide, teaching and students were what he treasured most. "Over the years, we were godparents to a lot of students," recalls Mrs. Goldberg, who frequently hosted students in their home.

Former students of Dr. Goldberg's have cited his contributions as "relevant and significant for generations to come." And with the Goldberg Fellowships, those contributions to structural engineering now continue.

John E. Goldberg



(left to right) Eric Tompos, Dorothy Goldberg, and Kara Elliott.

CIVIL'S FIRST INTERNET COURSE

Twelve civil engineering students from Purdue are currently caught in the "web" of teaching technology. They are enrolled in a new Internet course, CE 597F; "Integrated Urban Water Quality Management." The course is being taught online by Professor Poul Harremoës and Mr. Eric Warnaars of the Denmark Technological University (DTU) in Lingby, near Copenhagen, Denmark. The students all receive the necessary course materials and software via the Internet. They also submit their reports and homework assignments to the DTU faculty online. Furthermore, they correspond with the Danish faculty by an online chat room, e-mail, and by means of a bimonthly video-conference.

Purdue Civil Engineering professors Jacques Delleur and Chip Blatchley are available to the students for consultation on the hydraulics and Environmental aspects, respectively. Also available to the students at Purdue is the course's teaching assistant Mr. Fuad Dahan. Dahan went to the Denmark Technological University during the summer to work with Dr. Harremoës and Mr. Warnaar in order to become familiar with the software and course subject matter.

This online course is quite unique in that the hydraulic/hydrology, the water treatment, and the effects on the receiving stream are modeled in such a way that the effects of changes in one component can be evaluated interactively on the other ones. CE 597F is believed to be the first international Internet course in the School of Civil Engineering at Purdue University

ASCE STEEL BRIDGE DESIGN TEAM SHINES! But Needs Your Help To Do Even Better This Year

The Purdue American Society of Civil Engineers Steel Bridge Design Team had quite a successful year! What is The Steel Bridge Design Team you might ask? The steel bridge team is made up of ASCE student members who design and build a bridge made of steel according to specifications set in the competition rules (which are changed each year). Near the end of each spring semester a regional competition is held among other colleges and universities in the area. If the team places first or second they then advance to national competition to compete against other schools from the United States and Canada.

The Purdue team competes each year in the Great Lakes Regional conference against teams from several schools including University of Wisconsin-Madison, University of Illinois-Urbana/Champaign, and Northwestern. The 2000 regional competition was held at Bradley University on May 4 - 7. This year the Purdue team was faced with the challenge of entirely new bridge design specifications. Their innovation, hard work, and 6:00am practices brought Purdue 1st place in both aesthetics and lightness as well as 2nd place overall.

As a result of their 2nd place finish Purdue team earned the right to travel to the National competition held May 18 - 21, 2000 at Texas A&M University. After some quick repairs and modifications and some help from new corporate sponsors, the team loaded up their belongings and their bridge, and drove to College Station, Texas. Out of the 43 teams who made it to the National Competition, the Purdue Bridge earned a 3rd place in aesthetics and 4th in lightness.

The 2000-2001 Steel Bridge Team is already making plans for this year's bridge competition. They have received the new rules and specifications and are already hard at work in making preparations for this year's regional, and hopefully national, competition.

Based on last year's experience against other university bridge teams, they learned that only through additional funding will they have the means to purchase stronger steel materials to construct a more competitive bridge to place higher in competition. Therefore, the Team needs your help. Your gift to the Purdue ASCE Steel Bridge Team can allow our students to take this year's design bridge to the next level of competition and perhaps win at Nationals. If you want to help these young people accomplish their goals then please send your gift today!

Make checks payable to: **Purdue Foundation**

Send your check to: School of Civil Engineering
c/o Stuart Jones
1284 Civil Engineering Building
West Lafayette, IN 47907



1999-2000 Purdue ASCE Steel Bridge Team: (left to right) Abby Conover, Joshua Horning (Team Co-Captain), Mike Wigger, Andy Saks, Chris Miller, Todd Chariton, Matt Wichman, Jason Hickle, Amy Piskorowski (Team Co-Captain), Geoffrey Henegger, Scott Zajac (kneeling)*not pictured is Alison Hunyar, Vice President ASCE Purdue Student Chapter, who served as the Team's publicist, fundraiser, and trip coordinator.



The Purdue ASCE Steel Bridge Design Team at this year's Great Lakes Regional Competition at Bradley University.

Last year's 1999-2000 Team would like to thank the following corporate sponsors, and the persons within them, who generously underwrote the expenses for the trip to Texas A&M.

Ch2MHill: Stephen Wanders

HNTB: James Barker

Butler, Fairman and Seufert: Stephen Weintraut

Sverdrup Civil, Inc.: Robert Crawley

BRW Hazelet & Erdal: Dallas Montgomery

Without their support, the experience of competing in the National competition would have been impossible.

Hi! Ho! It's Off To Work They Go

Purdue's 2001 CE graduates will likely take on the "Smiley" persona as they interview and head off to work this spring.

Federal monies for transportation projects are fueling top jobs in that sector, reports Steve Wanders (BSCE '78, MSCE '79), vice president of Dayton, Ohio's Ch2M Hill, Inc. The consulting field, too, offers its share of plums, says Larry Irvine of Kimberly-Horn & Associates in Dallas. Overall, students can expect "great opportunities," predicts Al Oak (BSCE '68), president of Paul I. Cripe Inc. in Indianapolis.

Purdue Grads Well Rated

Top players are turning to Purdue for their recruits, report Linda Higgins and Maeve Drummond in CE's undergraduate office. They worked with more than 150 different companies seeking recruits last year, and expect to top that this year. "These companies cover every area, from consulting to construction, transportation, design firms, environmental firms and state and local government," Higgins says. "Students have a wide range of opportunities."

"Employers know Purdue graduates will be productive early in their careers," Drummond says, citing students' technical credits and expertise. "Companies know our program is very rigorous and our graduates are used to working hard."

Students with a bachelor's degree can expect to be rewarded for their achievements with annual starting salaries of about \$40,000, Oak suggests. What do they want in return? "Employers are looking for students with both technical and interpersonal skills," he says.

Jobs Aplenty

Odds are students will have their pick of jobs, Wanders says. "It's going to be important for students to make a good choice, to find a job doing what they want to do."

"We're limited not by the amount of work but by the amount of people who can produce it," says Irvine, who's also looking for multi-talented graduates. "We need people to be a consultant, not just an engineer. So they have to be equally interested in the technical, business and marketing aspects to be successful."

Recruiting graduates is becoming more competitive than ever, Irvine says. "Management consulting firms are dipping into the engineering students as well, and the promises of higher salaries are diverting some folks from their original goal of a Professional Engineer. But they won't be able to do that if they go into another area, because they wouldn't be supervised by a PE and able to take the test. That's our one remaining defense."

Purdue An Employer's Resource

Higgins invites employers eager for a glimpse of Purdue's pool of "very highly qualified" 2001 CE graduates to browse resumes online.

Her office also posts employers' needs at the site: http://CE.www.ecn.purdue.edu/CE/News/Employment/Job_Postings



Bethany Garretson (left), a senior in CE, meets with Ann Luther, BSCE '80 (center) and Gary Linard BSIDE '79 (right), of Charlier, Clark & Linard of Indianapolis regarding employment opportunities.

CIVIL ENGINEERING STUDENTS RECEIVE N.A.P.A. SCHOLARSHIPS

The Asphalt Pavement Association, in cooperation with the National Asphalt Pavement Association Research and Educational Foundation, sponsor scholarships for selected undergraduate students in Civil Engineering.

Students must be a sophomore, junior or senior, enrolled in a full-time civil or construction engineering program and be a citizen of the United States. Criteria includes consideration of past academic performance and future potential, leadership, and participation in school and community activities, work experience, statement of career and educational aspirations, goals, unusual personal or family circumstances, and an outside appraisal.

Scholarship applications are reviewed by a representative from each university and forwarded to APAI for final selection. Students are recognized at an awards program at APAI.

The 2000 Scholarship recipients are as follows:

- ◆ **Jennifer E. Ridd** - Recipient of the Fred M. Fehsenfeld, Sr. /Milestone Contractors Scholarship and the NAPA Research Education Foundation Scholarship. Jennifer is a junior in the School of Civil Engineering.

- ◆ **Adam J. Marolf** - Recipient of the John and Emma Brooks Scholarship and the NAPA Research Education Foundation Scholarship. Adam is a junior in the School of Civil Engineering.
- ◆ **Troy Larkins** - Recipient of the John and Emma Brooks Scholarship and the NAPA Research Education Foundation Scholarship. Troy is a sophomore in the School of Civil Engineering.
- ◆ **George Daniel Williams** - Recipient of the D. S. Mohr Scholarship and the NAPA Research Education Foundation Scholarship. George is a junior in the School of Civil Engineering.
- ◆ **Jason M. Petty** - Recipient of the Rieth-Riley Construction Company Scholarship and the NAPA Research Education Foundation Scholarship. Jason is a senior in the School of Civil Engineering.
- ◆ **Thomas B. McQuillian** - Recipient of the D. S. Mohr/Rogers Group, Inc. Scholarship and the NAPA Research Education Foundation Scholarship. Thomas is a sophomore in the School of Civil Engineering.

Students were congratulated and presented their awards by Dr. Daniel W. Halpin, Professor and Interim Head of the School of Civil Engineering on Friday, September 15, 2000.



NATIONAL ASPHALT PAVEMENT ASSOCIATION SCHOLARSHIP RECIPIENTS

(From left) Jason Petty, Adam Marolf, Troy Larkins, Jennifer Ridd, Professor and Interim Head, Dr. Daniel Halpin. (not present: George Williams and Thomas McQuillian)

CE GOLF AND TENNIS OPEN A GREAT SUCCESS

The rackets were strung, the clubs were polished, the carts were lined up, everyone was smiling and the course looked better than ever. Thus began the 40th Annual CE Golf and 5th Annual Tennis Open on June 9, 2000. This year's tournament was held at the Lafayette Elk's Country Club.

For the golf portion of the tournament, participants were broken into teams and assigned a starting hole. The format of play was "Best Ball Scramble."

To make the tournament more challenging, contests were placed at random holes throughout the course. The contests included Closest to the Hole, Longest Putt, and Men and Women's Longest Drive. In spite of the heat, everyone had a great time and played a wonderful game. The tennis portion was played in a round robin format. Participants engaged in men, women's, and doubles, as well as singles matches. At the end of the day, participants from both tournaments came together for a picnic dinner and awards ceremony. Vince Drnevich shared about what was happening in the School of Civil Engineering. He touched on present accomplishments and achievements as well as the future of the School. The highlight of the dinner was speeches from representatives of Purdue's Athletic Department, including Jay Price, Assistant Coach of the Purdue Mens Basketball team and Coach Kristy Curry, Head Coach of the nationally acclaimed Purdue Women's Basketball Team. (To update those living outside of the Lafayette/West Lafayette community, Coach Curry recently gave birth to her first daughter, Kelsey).

The School of Civil Engineering is already beginning the planning process for next year's tournament. Right now we have confirmation that the Lafayette Elk's Country Club has agreed to host the tournaments next year on June 8, 2001. We are also trying to find engaging contests that reflect the skills and talents (and sometimes luck) of the participants. We are working on ways to make the tournaments more entertaining and interactive for all participants. We hope that through our efforts we can put together a tournament that people will want to continue returning to.

In closing, we would like to extend a heart-felt thank you to all of the CE Open Committee hole and hour sponsors, guest speakers, event coordinators and volunteers, and, most of all, the Participants of this year's event. Without you we would not have the great time that we did! We look forward to seeing everyone at next year's CE Golf and Tennis Open on **June 8, 2001** at the Elks Country Club in West Lafayette.



A mighty foursome! (left to right) Professor Vince Drnevich, Pam Murphey, Chris Burke and Greg Wilcox.



Are we having fun yet? Team members search for a lost ball.



Tennis anyone? Participants in the Tennis Open taking a needed water break.

CRACKING A FEW EGGS FOR A RECORD CROWD!

The omelets were delicious! The crowd was huge! The enthusiasm was high! The room was crowded but the fellowship was fantastic! What more can be said of the CIVIL ENGINEERING HOMECOMING BREAKFAST held on Saturday morning, September 23? (Besides the fact that it was the largest attended event of all the Engineering Schools during Homecoming!)

Some 35 Civil Engineering faculty worked hard to prepare, cook, serve up (and even clean up) a delicious breakfast of made-to-order omelets, sweet rolls, muffins, and beverages. Appreciative of their efforts was a record breaking 230 Civil Engineering alumni, friends, and their families from as far away as California, Louisiana, and Pennsylvania. Interim Head, Daniel Halpin welcomed the large crowd and gave special recognition at the breakfast, to the Homecoming silver and golden anniversary classes of 1975 and 1950 and the alumni who represented them.

Students from the Purdue Chapter of the ASCE were on hand at the breakfast to display their award winning Steel Bridge design as well as sell CE shirts, sweatshirts, and stickers. Prof. Darcy Bullock had a portable, live-time traffic video display on hand to share with alumni about transportation research. In addition, an attractive display about the Civil Engineering campaign to build the new High-Performance, Large-Scale Laboratory and renovate the existing Civil Engineering building was on hand to educate and inform attendees (see related article "Alumni Carry Torch for World-Class Lab" in this issue). Also, free issues of the newly published book, *Engineering in the City of the Century* (based upon the 1998 John E. Goldberg Distinguished Lecture Series) was available for alumni to receive. (If you would like a copy of the book contact Stuart Jones, Director of Development, 765-494-2236.)

To cap off the morning, and just before the alumni went off to see the Purdue football team pound the Minnesota Golden Gophers on the gridiron, the drawing for the special Drew Brees autographed Purdue football helmet was held and Warren Frosch (father of Prof. Robert Frosch) was the lucky winner.

Don't feel too badly if you missed all the fun of this CE Breakfast because there will be more to come!



Warren Frosch (left), winner of the Drew Brees autographed football helmet with Stuart Jones.



Professor Chad Jafvert preparing another delicious omelete.



A hungry crowd of 230 alumni, friends, and faculty show up for breakfast.

Plan now to attend the upcoming April 21, 2001 CIVIL ENGINEERING GALA WEEKEND BREAKFAST! (see the "Calendar of Events") It promises to be just as exciting and will include Coach Gene Keady as special guests



Dr. Fritz Leonhardt

LEONHARDT'S 70-YEAR CAREER SPANNED THE GLOBE

Fritz Leonhardt was just 23 when he came from Germany to Purdue University as a Civil Engineering graduate student in 1932. In the U.S., he studied suspension bridges, then two years later designed his country's first such structure.

Honorary Doctoral Degree From Purdue

He went on to oversee construction of hundreds more bridges in Germany, Argentina and Norway—and even one in the United States, the Pasco Kennewick Bridge in the state of Washington, built in 1978.

He founded Leonhardt, Andra und Partner in Stuttgart; was a professor at Stuttgart University; and published more than 300 papers and a dozen books, including *Bridge Aesthetics & Design*. In 1980, he received an honorary doctoral degree from Purdue University's Schools of Engineering.

Master of Bridges

Shortly before his death in March 1999, at the age of 90, Dr. Leonhardt was interviewed by Helena Russell, who dubbed him "master of bridges" in an article in *Bridge Design & Engineering*, United Kingdom, 1999. She wrote:

"He had already founded an office in Munich in 1939, and in 1945 the practice moved to Stuttgart and a partnership was set up with Wolfhart Andra and Willi Bauer. The company has been solely a structural engineering practice ever since — now with four offices and some 170 staff working on bridge design and structural engineering projects around the world."

Russell listed these Leonhardt achievements, among numerous others, in her article:

- * The Koln-Deutz bridge over the Rhine, completed in 1948—the first really slender large-span hollow box beam, with a span of 185 m and a slenderness ratio l/d of 56.
- * The Knie Bridge, which held the world-record main span of 320m at its 1969 completion.
- * Credit for being one of the first engineers to exploit the potential of the modern cable-stayed bridge.
- * Development of the incremental launching method of construction.

In the interview, Dr. Leonhardt told Russell, "Bridge building can grow into a passion that never loses its freshness and stimulus throughout a man's life."

ENGINEERING, THE PEACE CORPS, AND A SHINY NEW THEODOLITE

By Timothy J. Thompson, BSCE, 1997

I spent a lot of time at Purdue contemplating the idealistic applications of engineering in development. For this I have no regrets (the extended daydreaming sessions brought me to the Peace Corps). However, I do wish that I had invested similar amounts of time in mastering some fundamental technical skills that could have put more of my ideals to practice in the last two years. Although I was not invited to do engineering, my current work-load is dominated by it. And while I remember the Peace Corps recruiter in Chicago telling me that engineering work wasn't among the available volunteer opportunities at the time, I now understand that the opportunity to put an engineering education to use in the Peace Corps or any similar program is a daily reality.

Roughly three weeks prior to graduating from Purdue in December of 1997, I accepted an invitation to join the Peace Corps in Panama to work in an environmental education program. After three months of training, I was sent to an agricultural high school in the province of Bocas del Toro in June of 1998. Besides giving classes and studying Spanish and a local indigenous language, I spent my first year helping students with science and math, and helping the Ministry of Health with a couple of aqueduct studies.

In January of 1999 my town's drinking water pump stopped because of a minor electrical problem and I was clueless. That same month the school tractor had mechanical problems and I was once again void of the type of practical knowledge that make people like MacGyver so helpful.

My technical opportunity to shine finally materialized a few months later. As I calmly made my way down the hallway, an agriculture teacher alerted me to the arrival of a seemingly random donation from the Government of Spain: surveying equipment. I happened to be the only person on the scene with any knowledge of surveying (CE 200) and so was asked to teach some twelfth grade students the basics of topography. In September, a natural resources teacher and I began to design a community service project for the 2000 school year for which we would teach the twelfth grade class surveying with the objective of titling land. The municipal drafter from a nearby city provided us with lessons in free-hand drawing (AutoCAD hasn't caught on yet) and we made initial contact with the provincial office of Agrarian Reform.

Prior to the Peace Corps, I knew little about property rights and less about their historical influence upon social, economic, and even environmental evolution around the world. According to Peruvian economist Hernando de Soto, roughly 4 billion poor people in "under-developed" and former communist nations hold, but don't legally own, real estate worth \$9.3 trillion, a figure equivalent to 46 times the amount of all World Bank loans made over the past three decades. A land title not only facilitates economically-just land



Alumnus Tim Thompson (far right) teaching topography to students in Panama.

transactions, but can also serve as collateral for bank loans to start-up small-scale agriculture and business projects.

Of course, the land titling process in Panama and elsewhere requires more than surveying and a plan. But apart from bureaucracy, the costs associated with the technical work are the greatest reason why people don't have titles. To measure between 1 and 10 hectares (~2.5-25 acres) of land, a local surveyor will charge around \$300. The average monthly income is roughly \$200, and even less for unemployed campesinos (peasants). Unfortunately, our time, salaries, and the limited endurance of a Sokkia DT5A electronic theodolite won't allow us to unleash the full potential of those \$9.3 trillion. However, the project is slowly moving, and if the teacher I work with stays at the school (as he intends to), the project could have a significant local impact over the long term.

Besides surveying, two months ago I helped install a rainwater harvesting system for a community school, and I also recently started a public opinion survey for the district (population: 70,000) authorities to determine the social and technical severity of their trash problem. All of these projects require a certain amount of environmental education, and all represent opportunities to do engineering. I now look to return home in December and to possibly pursue a PE License. My experiences here have been rewarding, but beyond this, I now have valuable insight into both the promises and limitations of engineering in promoting social progress throughout the world.

(Editors Note: You can send comments or questions to Tim at his email address: timthompson80@hotmail.com)

ALUMNI UPDATES

Thirties

Floyd R. Moore, (BSCE '35)

Coronado, CA-Floyd retired in 1988 from his position as Engineering Consultant for the City of Coronado.

Forties

W.G. "Jack" Irmscher (BSCE'43)

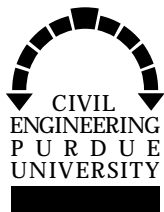
Amelia Island, FL-Mr. Irmscher is a retired CEO in the cement industry. Presently he is a board member of the United States Line & Minerals Corp, Dallas, TX; board member for N.Viro International, Toledo, OH; and an advisory board member of U.S. Concrete Corporation in Houston, TX.

Donald R. Hanson (BSCE'48)

Charlottesville, VA-Mr. Hanson is retired from the Center for Human Settlements, United Nations, in New York. He completed a book "Four Worlds or One", based on four years in the U.S. State Department and 28 years in the United Nations, involving 82 nations in the developing third world.

Paul Parks (BSCE '49)

Mattapan, Massachusetts-We are pleased to recognize Paul for his B'nai B'rith Raoul Wallenberg Loge award received October 22, 2000 in Berlin, Germany. This prominent award is for helping to free prisoners of the Nazis. The award is named for Raoul Wallenberg, who saved thousands of Jews in Budapest, Hungary in 1944. Paul Parks was an engineering student at Purdue University when he was drafted in 1942. One of the few black students to be admitted to a major university. Paul is presently the President of Paul Parks & Associates, Inc. in Mattapan, MA.



Fifties

Richard O. Albright (BSCE '51, MSCE '54)

Carmel, IN

Indiana Civil Engineer of the Year

Richard O. Albright, Fellow and Life Member of American Society of Civil Engineers was named ASCE's Indiana Outstanding Civil Engineer at the evening banquet during the Section's Annual Meeting on April 11, 2000.

Albright received an impressive plaque and was introduced to Awards Chair Mike Wenning of Indianapolis. Dick Albright has served the engineering profession in

both the public and the private sectors for over 49 years. He was the President of Purdue Student Chapter, 1950-1951 and was recognized as one of the three outstanding students during his senior year by the Indiana Section of ASCE. He has served ASCE in many capacities and is still active in ASCE.

Dick obtained a BSCE from Purdue University in 1951 and MSCE in 1954. His professional career began in 1951 with the US Army, Corps of Engineers with which he served in the US and Korea until 1953. His engineering professional experience includes several firms starting in 1959 through 1989. In 1999 to present Dick now has his own private practice

Samuel L. Triage, (BSCE '57)

Livingston, TX-Samuel recently moved to a new address in Livingston, TX. Samuel retired January 1, 1993 from Ford Motor Company, Engineering in Dearborn, MI.

John G. Van Sickle, (BSCE'59)

Hamilton, OH-John is President of Critorium Hough Van Sickle Engineers in Hamilton, Ohio. He is a member of the Legislative Affairs Committee Consulting Engineers Council of Ohio. He is also a member of CECC, CECO and ACEC.



Richard O. Albright

Sixties

Donald R. Cook (BSCE'63)

Milltown, IN-Congratulations to Donald on his retirement! Donald recently retired from LGE Energy, Inc.

Robert A. Sayle (BSCE '66, MS)

Hillsborough, CA

Vice-President of Business Development Operations, JetForm Corporation

JetForm Corporation announced Robert Sayle as Vice-President of Business Development Operations, North American Solutions Group, August 2, 2000. JetForm Corporation makes Web-based software solutions that automate business processes and transform them into "e-processes." With operations in 11 countries, and a global network of partners, JetForm is uniquely positioned to address the needs to international business.

Robert Sayle brings an impressive 30 years of broad-based business experience to his new position and will be responsible for JetForm's operational engagements with partners and system integrators. He holds a Bachelor of Science degree in Civil Engineering from Purdue University and a Masters of Business Administration from Indiana University. His extensive career began with nine years at Arthur Andersen & Co. where he specialized in working with clients in the manufacturing and distribution industries. From there he was co-founder of Gateway Systems, a consulting company based in San Francisco, specializing in the development and implementation of project management systems for the utility industry; to Vice-President of Sales & Marketing at Target Computer Rentals, along with various management positions at ROLM/ IBM Corporation in California. Sayle played instrumental roles as Director and Vice-President in JetForm's services organization since the acquisition in January 1998 of WorkFlow Partners, a company specializing in the automation of business processes.

For more information on the JetForm Corporation check out www.jetform.com.

Dr. Andrew Hashimoto (BSCE '66, MSCE'68)

Honolulu, HI-Dr. Hashimoto was recently been appointed Dean of the College of Tropical Agriculture and Human Resources by the University of Hawaii Board of Regents. He is currently Vice Provost for academic affairs, and professor of bioresource engineering, at Oregon State University. He will begin his new post on October 2, 2000. Dr. Hashimoto is a 1962 graduate of Punahou School. He received his bachelor's and master's degrees at Purdue University before earning his PhD at Cornell University.

Seventies

Robert A. Drag (BSCE '71)

Crown Point, IN-Robert has a new position with Union Tank Car Company as plant manager. Congratulations Robert in your new position!

Chuck Knotts (BSCE '72, MSCE '73)

Brandon, FL-HAPPY BIRTHDAY TO CHUCK from your family and friends. Chuck celebrated his 50th birthday on October 25th. If you would like to send a birthday wish his home address is 638 Pine Forest Drive, Brandon, FL 33511.

Edgar L. Tohill, (MSCE '74)

Alton, IL-We wish Edgar the best with his move to Alton, IL. Edgar is retired from the U.S. Army Corps of Engineers. His last positions held were 1994-1995 Deputy District Engineer for Program & Project Management, Far East District in Seoul, Korea; 1984-1994 Chief of Construction Division, Far East District in Seoul, Korea.

Eighties

Larry Harder (BSCE '80)

Reston, VA-Congratulations to Larry on his promotion! Larry was just promoted to Vice President, Director of Development for Costco Wholesale, Sterling, VA.

Edwin Klobovcnik (BSCE '80)

San Angelo, TX-Edwin retired after 20 years of service in the U.S. Air Force as a Civil Engineering Officer. He started a new position in July as traffic operations engineer with the Texas Department of Transportation, San Angelo District. He has been registered as a Professional Engineer in Texas since 1993.

Debra S. Wright (BSCE '82)

Elkhart, IN-Congratulations to Debra in her new position as traffic engineer for the city of Elkhart, Indiana.

Bradley E. Brink, (BSCE '83)

Mokena, IL-Bradley is now the President of Brink Engineering, Ltd. which is located in a southwest suburb of Chicago. They provide professional civil engineering services for the private sector, public institutions, and local agencies in Illinois, Indiana, and Michigan. Congratulations to Bradley!

Dr. Andrea Rinaldo (Ph.D. '83)

Dr. Andrea Rinaldo, Ph.D. 1983, did his graduate work at Purdue's School of Civil Engineering (Hydraulic Engineering), was honored by the American Geophysical Union at their fall meeting. Dr. Rinaldo, now a professor at the University of Padova, Italy, was the recipient of the 1999 Research Award presented by the Hydrology section of the AGU. He was recognized for his pioneering and innovative research contributions in: (1) numerical modeling of solute transport in heterogeneous porous formations; and (2) geomorphologic characterization of river networks. In his acceptance speech, Dr. Rinaldo mentioned his outstanding graduate education at Purdue and acknowledged his mentors there, including late Professor Aldo Giorgini (taught from 1967 to 1994).

Mark A. Wiegman, PE (BSCME '86)

Cincinnati, OH-Congratulations to Mark! Mark was named Vice President of Operations of Warm Brothers Construction Co., Florence Avenue, Cincinnati, OH 45202.

Nineties

Andrew Cigolle, (BSCE '92, MSCE '93)

Sunnyvale, CA-We wish Andrew the best in his new position at Network Appliance! He is the new Finance Manager in Engineering.

Charlie Mergentime, (HDR '93, BSCE '53)

Lebanon, NJ-Congratulations to Charlie! He was elected the founding president of the newly-formed Construction Institute of ASCE at the ASCE meeting in Wilmington, Delaware.

Jeffrey Sriver, (BSCE '93)

Chicago, IL-Welcome Back to the U.S., Jeffrey! Jeffrey recently moved to Chicago, IL. In April, Jeffrey returned to the U.S. after more than three years of work in Japan as a Transport Planner for the Tokyo-based consulting firm, PADECO Co. Ltd. He currently has a new position as Manager of Resource Planning for the Chicago Transit Authority. They are one of the nation's second-largest public transit agency. CTA's has 11,000 employees, more than 1.5 million customers each day on 1,900 buses and seven urban rail lines. His new responsibilities include developing mid-term resource allocation plans for CTA's bus and rail fleets, projecting future labor needs and analyzing long-term service expansion opportunities.

Wei Chu (Ph.D. '94)

Hong Kong-Dr. Chu is an associate professor in the Department of Civil and Structural Engineering at the Hong Kong Polytechnic University.

Jennifer Ingall Jones (BSCE '94)

Palatine, IL-Congratulations to Jennifer! Jennifer has a new daughter named Sarah Elizabeth Jones born February 10, 1999.

Shannon Jaeger (BSCE '94)

Fairfield, OH-Shannon just recently moved to Fairfield, OH. We wish her the best in her new position at R.D. Zande & Associates Inc. located in Cincinnati, OH, as a Design Engineer.

Susan D. Reed (BSCE '95)

St. Joe, Indiana— Congratulations to Susan for receiving the Daniel V. Terrell Award earlier this spring at the ASCE District 9 Council Meeting in Evansville, Indiana. The award was given to Susan for her paper addressing this year's topic on the ethics of engineers sealing project drawings. Susan's main interests have been in structures, construction and geotechnical engineering. She spent three years working for the city of Akron, Ohio as a civil engineer. She is currently working as a design engineer with Vulcraft, a division of Nucor, in St. Joe, Indiana.

Bryan Smith (BSCE '95)

Schwenksville, PA-Bryan is a project engineer for the Civil Engineering/Highway Division of URS Corporation in King of Prussia, PA.

Daniel W. Smith, (BSCE '95)

Columbus, OH-Daniel recently moved to Columbus, OH and has taken a new position. He has currently joined Jones-Stuckey Ltd., Inc. as a project engineer. We wish you the best in your new position.

Deborah Van Daele, (BSCE '95)

Ann Arbor, MI-Deborah recently moved to Ann Arbor, MI. She is an Environmental Engineer at General Motors, Powertrain M/C. Best wishes to Deborah with her new move.

Eric Rysdon, (BSCE '95)

Charlotte, NC-Congratulations to Eric and Laura Rysdon on the birth of their first child February 21, 2000. Eric works at Kimley-Horn and Associates, Inc. as an analyst.

Frank G. Truong, (MSE'96)

New York, NY- Welcome back to New York Frank. He is currently an associate in the Investment Banking Division at Solomon Smith Barney Inc. Frank finished his MBA at University of Chicago in June 1999. He worked in London for six months and just returned to New York June 2000. He has been covering Chemicals Industry since September 1999 and is responsible for M&A Advisory, debt and equity underwriting for global client base.

Shane Farr, (BSCE '97)

Mundelein, IL-Congratulations to Shane and Emily on their recent marriage! Shane and Emily Brewer (BS'99) have recently moved to Mundelein, IL. He is a project engineer at STS Consultants, LTD.


Erica Prestrod, (BSCE '99)

Louisville, KY-We wish Erica the best with her recent move to Louisville, KY. She has accepted a new position as Assistant Engineer with Parsons Brinckerhoff Quade & Douglas.

Two Thousand

Andrew H. Doane, (BSCE '00)

Chicago, IL-Andrew recently moved to Chicago, IL and has a new position as a project engineer at Fisher and Horos Structural Engineers. We wish you the best with your new position.



**Send
us
your
news
info...
cenews
@ecn
.purdue
.edu**

IN MEMORIAM

1930's

Robert K. Cameron, BSCE '35, Painesville, OH
William E. Collins, BSCE '30, Longmont, CO
Glen D. Cross, BSCE '38, Burbank, OH
James A. Erskine, BSCE '35, Mobile, AL
John S. Gregory, BSCE '31, Oceanside, CA
James R. McAdams, BSCE '35, Lac Du Flambeau, WI
Harry S. Ross, BSCE '32, Louisville, KY
Robert C. Turnbull, BSCE '37, Fort Wayne, IN
Constantin B. Voldrich, BSCE '31, Columbus, OH

1940's

Wilbur D. Klepinger, BSCE '48, Belleville, NE
Edwin L. Molzahn, BSCE '40, LaGrange Park, IL
Justin A. Seiler, BSCE '49, Mansfield, OH
Harold Taber, BSCE '48, Memphis, TN
Charles M. Weis, BSCE '42, Anderson, IN

1950's

Donald A. Bettge, BSCE '50, Lorton, VA
Getendra M. Das, BSCE '58, Calcivita, India
Howard L. Gallop, BSCE '54, Cornwall, PA
Roland B. Givens, BSCE '50, Deerfield Beach, FL
David W. Hawkins, BSCE '59, Pointe Verra Beach, FL
Charles Hurych, Jr., BSCE '51, Algonquin, IL
John W. Judge, BSCE '51, Kettering, OH
Joseph P. Kaminski, BSCE '50, Munster, IN
Cecil B. Lay, BSCE '50, Knoxville, TN
Harold E. Rein, BSCE '50, New York, NY
Robert C. Warner, BSCE '51, Pittsburgh, PA

1960's

Richard L. Elliott, BSCE '60, Mason, OH
Herbert J. Miller, Jr., BSCE '69, Gilbert, AZ
William R. Stover, BSCE '65, Decatur, GA
James T. Wang, PhD '61, Atlanta, GA

1970's

Robert J. Kroll, BSCE '79, Houston, TX

1980's

David C. Seagren, BSCE '82 MSCE '83, Long Beach CA

Friends

Henry W. Bremer, Saginaw, MI
Garald D. Gill, Frankfort, IN
M. L. Kaiser, Quincy, IL
Earl A. Roth, Birmingham, AL
Lee T. Whetzell, LaPorte, IN

Civil Engineering Donors

Recognizing the Individuals and Corporations who made gifts to the School of Civil Engineering, July 1, 1999 - June 30, 2000

Donors contributing \$250 or more to the School of Civil Engineering are recognized through membership in our giving club, The Civil Engineer's Club as well as other Engineering and University recognition clubs:

President's Council	Annual gifts totaling \$1,000 (anywhere within Purdue University, including those designated to Civil Engineering)
Dean's Club Lifetime	Cumulative gifts of \$50,000 or more or a lump-sum gift of \$25,000 or more
Dean's Club Benefactor	Annual gifts totaling \$2,500 to \$24,999
Dean's Club Sponsor	Annual gifts totaling \$1,000 to \$2,499
Dean's Club Annual	Annual gifts totaling \$500 to \$999
Engineers Club	Annual gifts totaling \$250 or more

Every effort has been made to ensure that the information is accurate. Please let us know of any errors.

Thank you for your generous and loyal support

Dean's Club and Civil Engineer's Club Lifetime Members

Cumulative gifts of \$50,000 or more, or one-time gifts of \$25,000 or more:

Stephen and Elizabeth Bechtel, Jr.
Robert and Terry Bowen
David and Colleen Boyd
Christopher and Susan Burke
William and Barbara Corning
Robert and Barbara Flannery
Dorothy Goldberg
Judith Hamman
Paul and Caryl Hamman
Robert and Jeanne Horth
William and Edna Ling
Leo and Elizabeth Louis
Elizabeth Lyles
Lewis McCammon
Esther McConaughay
Jerome and Shirley McTague
June Miller
Edgar and Hedwig Olson
Thomas and Evelyn Page
Charles and Doris Pankow, Jr.
Mary Jane Rieth
Charles and Margaret Waidelich
Roy and Myrna Wansik
Ching Tang Yeh

\$25,000 OR MORE

Hubert & Audrey Kleasen
Stephen & Elizabeth Bechtel

\$2,500 - \$24,999

William & Virginia Beatty
Walter & Barbara Bell
Robert & Terry Bowen
David & Colleen Boyd
Rose Chu & Don Boyd
Christopher & Susan Burke
William & Barbara Corning
Edward & Carolyn Doyle
Vincent & Roxanne Drnevich
Bryan & Susan Erler
Robert & Barbara Flannery
Daniel & Faith Greenberg
Judith Hammon
William Kiep
James Lammie
David & Rebecca Leonards
Q.E.D. & Lynda Lewis
John Lowney
Janet Senetar
Mete & Joan Sozen
Daniel & Amy Tam
Wallace Vawter, Jr.
Charles & Margaret Waidelich
Leonard & Margaret Wood

\$1,000 - 2,499

James Adamczyk
Adolph & Martha Altschaeffl
James Barker
Harry & Jean Bettis
David & Carolyn Bigler
Christine & David Crockett
Robert Crowe
Edward & Anne Curtis, Jr.
Dick & Pranee Dang Teater
Jacques & Delores Delleur
David & Ann Derrick
Roger & Diane Dierckman
Dennis & Leslie Drag
William & Bernice Fehribach
Fred & Mildred Fehsenfeld
Jimmy Fletcher & Karen Christopher
Joseph & Martha Fletcher
Cynthia Fort & Webb Bernhardt
Paul & Alita Freitag, Jr.
Harold & Debra Ann Force
Patricia Galloway & Kris Nielsen
Delon & Sonia Hampton
Gerald & Ruth Hendricks
Peter & Emily Ho
Eleanor Kelly
William & Mary Lovell
Walter & Jeanne Lum
James & Betty Maple
Andrew & Sarabeth Marcinko
Florence McKee
Charles & Cynthia Mergentime
Edward & LaVerne Mikhail

Za-Lee & Jeannette Moh
Lawrence & Nancy Morris
William Perloff
Michael & Sally Pierle
Frederick & Ruth Pohland
Kenneth & Christine Price
Martha Rees & Frank Hobbs, Jr.
Dennis & Phyllis Roby
Lawrence Rowan
Kenneth & Betty Ruminer
Robert & Linda Shanks
John & Florence Shen
Kumares & Anne Sinha
Jack & Ruth Skillman
Cecil & Marian Van Til
David & Christine Wallace
Wynn & Linda White
Mary Ann Zimmerman

\$500 - \$999

David & Diane Ailor
Alfred & Florence Aragaki
Ralph & Maria Bazo-Villoria
Stephen & Elizabeth Bechtel
Martinus & Susan Bergman
Donald & Jo Bloodgood
George & Barbara Bowden
Donald Boyd
Daniel & Nilah Brown
Joseph & Nancy Broyles
Paul & Lisa Chuma, Jr.
Lynn Corson & Janet Ayres

William & Sue Dail
William & Hilda Denny
John & Linda Duchardt, Jr.
Jack & Elizabeth Findley
David & Dorothy Gedney
William & Theresa Gervasio
William & Mary Goetz
Edward & Gladysmae Good
Jon Gotz
Albert & Martha Haeger
Richard & Nancy Hall
John & Christine Hamilton
Douglas Hattery
Lowell & Joan Kiefner
John & Patsy Kiefner
Delmar & Janet Kloeker
John & Wanda Koch
Richard & Leona Kraus
John & Kathy Lubker, II
John & Esther Matthews
Lewis McCammon, Jr.
Keith & Betsey McCormack
James & Sandra McLary
Faramarz Moavenzadeh
Matthew & Christine Moore
Kazuo & Hanako Nakamura
William & Patricia Naumann
Steven Ollo
Robert & Doris Pang
Ronald & Charlene Placey
Leonard & Roberta Pursel
Joyce Rayburn
Charles Reising
Stephen Riedl

Byron & Marsha Robinson
Keith & Imogene Rupel
Michael & Shirley Santoro
John Sbarounis
Thomas & Mary Schubert
Paul & Kathryn Sensmeier
Laddie & Thelma Stahl
Edward & Virginia Thoma
Roderic & Rita Thomas
Corby & Julie Thompson
Mark & Beth Townsend
Martha & Kenneth Warrick
Kenneth & Beverly Wehr
Alan & Joyce Welch
Robert Whitford
Darrell & Annice Wright
Hadi & Parvanch Yamin
Ying-Ming Yen
Mary Yoder
Norman & Peggy Yoder

\$250 - \$499

Gilmore & Rita Abplanalp
Michael & Ana Allison
Ted Andrews
Fred & Doris Apsey, Jr.
Roger & Lee Arend
Nicholas & Brenda Aschliman
Thomas & Margaret Berry
Donald & Donnamarie Biddle
David & Patricia Bowman
Robert & Marilyn Brown
Thomas & Margaret
Butcher Richard & Lois Butler
John & Julie Campbell
Robert Carter
Barry & Beate Christopher
Margarita & John Contreni
Edward & Denise Copeland
Jeffrey & Gloria Copeland
Alan & Doris Dausman
Laurence & Rose Dondanville
Meredith Donoho
James & Patricia Engimann
Scott Etzel
David & Patricia Everhart
Jon & Karen Fricker
Lionel & Donna Galerman
Donald & Corliss Garrett
Bernard Gogel
Lewis & Sue Graham
Susan Hallen
Donn & Barbara Hancher
Robert & Dorothy Hand
William & Barbara Harvey
John Heckler
William & Caroline Henders
Mannan & Frances Hill
Margery & Paul Hoffman
Martin & Lynne Horwich
Daniel & Delores Hunter
Garrett Jeong
James Johnstone
Lawrence & Zahra Kaiser
Michael Karsas
William & Betty Kennedy
Jerry & Josephine Kerr
Alfred & Janet Kettler, Jr.
Francis Kiesler
Wayne & Karen Klaiber
Kimberlynn & Glenn Kleasen
Richard & Alma Knight
Merrill Kreipke
Alberto Lao
Frank & Carolyn Lee, Jr.
Albert & Eleanor Lewis
Kenneth Lichtenheld
Lewis & Pamela Locke, Jr.
Jack & Jennifer Long

Leo & Elizabeth Louis
Mark & Kathleen Luther
John & Edna Lyons
Christian & Sara Marbach
Roland Marsh
Mitchell & Lynn McCoy
Darrow & Nita McCreary
John & Virginia McEntyre
Jay McGarraugh
Cary McGuire
James Mekemson
Phillip & Sheila Melville
Charles & Anna Miller
James & Peggy Mills
Darrel & Clarice Moore
Randy & Jo-Lynn Mull
Brian Murata
Stephen & Tamara Parkison
James & Lois Pedersen
Mark Perniconi & Jani
Thompson
Thomas & Patricia Pickford
James & Delores Pierce
Philip & Joyce Probst
A. E. & Wendy Radwan
Ross & Mabel Reineke
Sherwood & Peggie Richardson
Robert Richert
Donald & Ann Robison
Robert & Mary Robison
Eugene & Mary Russell, Sr.
Darrell Samuels
Donald & Madge Samuelson
Joseph Sanders
Phillip Schaffert
John Schira
Charles & Rep. Scholer
Marion Scott
John Seager
Joseph & Leona Seckinger
John Seest
Barry & Katherine Smith
Gary & Patricia Sorensen
Gary & Bonnie Spraker
Charles & Beth Stahr
Tom Stangas
Susan Stevens
Charles & Kyong Storey
Clifford & Mary Swanlund, Jr.
Sabanayagam & Vasuki
Thevanayagam
George & Tula Thiros
Edwin & Rebecca Tinkle, II
Egons & Susanne Tons
William & Miriam Tornrose
Daniel & Jamie Van Buskirk, Jr.

Clinton & Betty Venable
Charles & Lynn Venderley
David Vogel
Louis & Annette Vosteen
Joseph Wambold
Stephen & Lori Wanders
Richard & Shirley Weidner
Arthur & Mary Weiss
Warner & Lynaire White, Jr.
Allen & Marietta Whitehead
Sharon & Max Whitlock
Harold & Thelma Wilson
James & Allie Wooten
Edgar & Kathleen Wotring
Ronald & Ruth Wukasch
Bryan Youker

Up to \$249

Gary & Kathryn Absher
Lynn & Robert Akerhielm
Daniel & Susan Akin
Lucina Albarran
Daniel Allard
Donald & Joan Allen
Richard & Joan Allen
Michael & Melissa Allenspach
Charles & Marcia Alles
David & Sandra Alspaugh
Marc & Gretchen Alston
Amos & Catherine Alter
William Altherr
Corrado & Patricia Amato
Praveen Anand
Bradley Anderson
David & Eleanor Anderson
Jon & Beverly Anderson
Neal & Carolyn Anderson
Nils & Martine Anderson
Timothy & Michele Andorfer
Steven & Leisa Anslinger
Roger Aoki
Carl & Joyce Arakaki
Gary & Karen Arnold
Anthony & Lisa Astrouski
Mark Atwood
Anthony Augello
Karlis & Donna Augenbergs
Robert & Jayne Aunan
Richard Aupperle, III
Deeb & Kay Azar
Gary & Marsha Bach
Stanley & Martha Bair
James & Marcia Baker
Richard & Mary Ball

Jeffrey & Deborah Bane
William & Claudia Barker
Richard & Bonnie Barksdale
David Barna
Bobby Barnes
William & Elinor Baron
John Barr & Hannah Croley Barr
Gene Barrett & Mary Jane
Jellison Barret
Richard & Laura Barrow
Paul Basgall
Adrian & Della Bastianelli, III
Gerald Batchelder
Chenchayya & Sarojini Bathala
Thomas & Kathleen Batke
Carl Baughman
Joan & Paul Baumgartner
Mason & Patricia Baur
Robert & Tommye Beavers
James & Lisa Bednar
Kenneth & Linda Behling
Neil & Diane Behrle
Eugene Bell
Nathan Bell
Gordon Bell, Jr.
Joseph Bellanca
John & Bonnie Bellinger, Jr.
David & Cynthia Belloli
Jim & Donna Bennett
John & Karen Bercot
Timothy Berg
William & Paula Berg
Peter & Terece Bergman
John Beringer, Jr.
Jack Berlien
Harvey & Edith Berliner
John Bertino
John Betz, III
Subrahmanya Bhat
Debashish & Tanima
Bhattacharya
Edward & Nancy Bialas, Jr.
Donald & Nelle Bixler
James & Peggy Blaising
Bradley & Melissa Blank
James & Kathe Boarman
Scott & Janice Boerke
Nihal Bohra & Nisha Gupta Bohra
Craig Bojda
Ronald Bolyard
Van & Philomena Bonnewitz
Jeremy Books
Gregg & Kathy Borchelt
David & Patricia Bortner
David & Charlene Boss

Fraser & Beryl Bouck
Joseph & Martha Boward
Mark & Barbara Bowman
J. C. & Kimberly Boyers
James & Alice Boyle
Kevin & Karen Boyle
James & Lisa Boyles
Berton & Felicia Bradley
Scott Bradley
Jerald Brand
Kenn & Karen Brandt
William & JoAnn Brandt, Jr.
Thelma Breeden
Greg & Keiko Breland
George & Susan Briest
George & Jean Briggs
Bradley & Dawn Brink
Edward & Ann Brink
Martin & Mary Kay Brockman
Tex Brooks
Darrick Brown
Frederick Brown
Robert & Karen Brown, Jr.
Carol & Gregory Holthouse
Dean & Phyllis Browning
Joe Broz
David & Mildred Brubeck
Roy & Carolyn Bruce
Eric & Norma Brun
Michael & Kelly Bruns
Steven & Nancy Buck
Raymond Buckel
Michael & Tamara Buettner
Thomas & Gail Buick
Thomas & Patty Bulcher
Ralph Bultemeier
Garrick Bunting
David Burchard
Thomas & Penelope Burke, Jr.
Murray & Rita Burnette
Phillip & Norma Burress
William Burton
Terry & Nancy Byrns
Patrick & Jacqueline Callahan
Christopher Camp
Donald & Patricia Campbell
Raymond & Rose Carini, Jr.
Cecil & Virginia Carleton
Jeffrey & Kathy Carlton
Daniel & Joanne Carpenter
Mort & Ann Carrel
David & Nancy Carter
Eric Casanave
Harvey & Phyllis Ceaser
Beth Cerrone

*Ed (BSC '59)
and Judy Doyle
being serenaded by
a Purdue Glee Club
member at the
President's Council
Indianapolis
Reception*



Garrett Cottrell
David Cozier
John & Joan Cravens
Robert & Margaret Cravens
John & Jeanne Crawford
Robert & Mary Crawley
Joan Crepeau
Richard Critchell
Joseph Crivello
Robert & Marian Crooks
Peter & Laura Cuffe
James & Deborah Cuffia
Larry Cullop
Albert & Carol Curran
Scott & Jennifer Cutlip
Kevin Czerniakowski
Robert & Gina Dabasinskas
Peter & Deanna Dahlgren
Tim & Deanne Dall
David & Olive Damon
Michael & Angela Dant
William Darling
Jerry & Margaret Davee
Bradley Davis
Cecil & Sharon Davis
Edwin & Wilma Dayton
Harry & Patricia DeArk
Steven & Kathleen Deatherage
Nancy Deaton
Gregory & Vickie Deeds
Vernon Dekker
Gregory Delaney
William & Arlene Dempsey
Ronald Deranek
Daniel DeRolf
Raymond & Esther DeVault
Albert DiBernardo
Peter DiCarlo
David Diehl
Jay Dietrich
Kevin & Rhonda Dillman
Jerry Divine
Omer & Patricia Dix
Dennis & Amy Dixon
Dennis Djou
William Dohrwardt
Douglas & Kathleen Dollenberg
Bradley Dove
Kent & Kathryn Downey
Mark & Kathleen Downey
Bruno Dravininkas
Robert & Joan Dreyling
Michael & Mary Drudge
James & Rhonda Drummond
David & Nancy Druzbecki
Theodore & Margaret Duerr, Jr.
Charles & Karla Dulic
Rachel & Gary Duncan
Kenneth Dunn
William & Julia Dunn
Elizabeth Dunning
George Dutro
Samuel & Ellen Edging
Steven & Colleen Edmonson
Steven & Teri Egly
Robert & Sally Elfreich
Harold & Dixie Elkin
James & Sara Elkins
John Ellis
Robert & Anna Elson
Jerry & Lynda Engelhardt
Jon & Marsha Ervin
Steven Esarey
Scott & Joy Eshleman
Gregory & Paula Eveslage
Douglas & Doris Ewing
George & Lori Ewoldsen
Carl Eybers
Robert Faber
Gerald Fair
Brad & Erleen Faris
Walton & Barbara Farr

George & Genevieve Fassnacht
Neel & Evelyn Fauber
Bruce & Judith Faulkner
Jeffrey Fesler
James Fiala
Charles Fisher
John Fisher
Larry Fisher
Walter & Marilyn Fite
Hayden & Winifred Flaugher
Bradlee & Kristine Fletcher
James & Donna Ford
Troy & Jennifer Fornstrom
Neil & Elizabeth Fossnight
Alan Foster
Eric & Mary Foster
James & Megan Fox
Paul & Mary Foxworthy
George Franceschini
Daniel & Diana Frank
Don & Frances Franklin
Randy Franks
Brent & Elizabeth Friend
Michael & Stephanie Fruth
Donald & Rebecca Fry
Kevin & Carolee Fry
Dan & Elizabeth Fuchs
Alvin Fukunaga
Jeffrey Fuller
Karen & Charles Fuller
Allen & Elaine Furth
Moriyasu & Hiroko Furuki
Alden & Kay Gable
Ronald Gaff
Cliff & Linda Galitz
Francis & Cheryl Gantner
Martin & Betty Garelick
Michael & Deberah Garlich
Russell & Marjorie Garrard
John & Marcia Gaunt
Robert & Mary Gaynor
Timothy & Betty Gaynor
Arthur & Kathryn George
R. D. & Elizabeth George, III
Charles & Johanna Glasgow
George Godfrey
Joe Goff
Ray & Vera Golly
Mayer & Sally Goloubow
Joseph & Kathryn Gomen
John & Mary Goodson
Jean Goodwin
Nicholas & Candice Goodwin
Dale & Cindy Goss
Ronald & Sandra Grady
William Graham
Herbert Grant
Eric & Christine Green
Michael Greenberg
Gerald & Kathleen Greene, Jr.
Mark & Jane Greenwood
Ronald & Danene Greiwe
Steven & Rebecca Gress
Timothy Gretencord
Alexander & Jean Grieve
William & Laura Griffin, Jr.
Donald & Mildred Grossnickle
Louis Grzesiek
Daniel & Caroline Guenther
Michael & Lori Guerin
William & Georgette Guernsey, Jr.
Michael & Judith Gully
Timothy & Monica Gunn
Patrick & Claudia Gunsch
Roy & Linda Gurnham
Gregory Gurnik
Lee Gurwell
Howard Gustafson
Phillip & Nancy Guyer
Timothy & Andrea Haas
Frederick & Suzzann Haase
Steven & Nan Habegger

M. G. & Sayeeda Habib
Daniel & Mary Hacker
Ralph & Carlotta Hagerty
Kristopher & Alicia Hahn
Chester & Melissa Hahn, II
Richard & Bonnie Hain, Jr.
Camille Hall
Jacob & Gloria Hall
James & Jane Hall
Veronica & Jeffrey Hall
Franklin & Elsie Hamamura
Terry & Cora Hamilton
Richard & Sara Hampton
Richard Hanes
Alan Foster
Robert & Carol Hannan
Robert & Eleanor Hannemann
John & Laura Hannon
Steven & Mary Hardesty
Thomas & Dianne Hargarten
Loren & Frances Harlow
Clarence Harmon
Horrall & Jocelyn Harrington
Heather & Paul Harris
Robert & Dorothy Harruff
John & Marlys Hartmann
Chad Hartwick
Dustin & Kimberley Harvey
Douglas Harwood
John & Aggie Haslup
Leonard & Daryl Hasse, Jr.
James Haunty
Garth Hawkins
Richard & Susan Hawkins, Jr.
John & Emma Hawley
William & Rita Hays, Jr.
Gregory & Carolyn Head
William & Mary Heidbreder
Edward & Claire Henderson
Thomas & Lee Hennig
Thomas Henry
Michael & Mary Herman
Michael & Sarah Herp
Michael & Dianne Hess
David & Linda Hibbs
Douglas & Beverly Hickey
William Highter
David & Valerie Hinchliff
Michael & Floreen Hinshaw
Brian Hippley
Ernest & Phyllis Hirat
Kazuichi & Momoye Hirose
Dan & Jamisen Hirota
Melvin & Sharon Hockenbury
Lester Hoel
David Hoenke
Morris & Barbara Hoewel
Dax Hoff
Robert Hoffman
Larry & Barbara Hofmockel
Gregory & Vicki Holden
Karl & Linda Holloway
Darryl & Margaret Holst
Donald & Bertha Honner
Jonathan & Destyn Hood
Todd & Kalisa Hoops
Mark & Nancy Horne
Thomas Houlette
Gordon Houston
Michael & Michelle Huber
James & Rosemary Hubler
Fred & Sara Hudson
George & Patricia Huensch
Daniel & Wendy Hughel
Ronald & Margie Hull
Dana & Barbara Humphrey
Heather & Nicholas Iannelli
Donald Inman & Julie Kuhns
Wallace & Michelle Irmscher
Dale & Joanna Jacobs
Michael & Karen Jankowicz
Kenneth & Kathryn Jarosch
David & Bonnie Jessup

Mark & Donna Johanningsmeier
Paul & Fava Johanningsmeier
Guy Johnson & Diane Lawson
Kenneth & Betty Johnson
Mark & Suzanne Johnson
Steven & Jeanne Johnson
Laura & John Johnstone
Steven & Talle Jolliffe
Anthony & Vicki Jones
John & Sharon Jones
Kenneth & Rhonda Jones
Michael & Ellen Jones
Stuart & Jennifer Jones
Stuart Jones
David & Maureen Jordan
Donald Juricic
Jimmy & Lisa Justus
John & Mary Kaiser
Stanley & Norine Kaiser
Michael & Kathleen Kamp
Makoto & Yoko Kaneuji
Edward & Marjorie Kannel
Miles & Helga Kanning
Dean Karcz
Hans & Anne Kask
William & Eleanor Kassebaum
Leslie & Joanne Katchen
Allen & Miriam Katz
Gary & Patricia Kautzmann
James & Peggy Keefer
Sean & Jenelle Kelsch
Robert Kelsheimer
Thomas & Pamela Kempen
Paul & Victoria Kendall
Bernard & Katrina Kennedeffrey
& Maren Kennedy
David Kenyon
Brian Keogh
Larry & Diane Kerkhove
James & Virginia Kerr
Howard & Jane Kiefer
James & Linette Kiefer
Christopher & Mary Jo Kilburn
Edward & Therese Killin
Kevin Kimpel
William & Hope Kindel
Brian & Jennifer King
Won & Tai-May King
Ian & Norma Kingham
Daniel & Cathleen Kinnick
Gerald & Patricia Kinyon
Marie & Lawrence Kirchner
David Kirk
James & Deborah Kirk
Wallace & Evelyn Kirk
Craig & Janet Kirtley
Wayne & Dorothy Kispert
Robert & Susan Kissell, Jr.
Christopher Klemko
Ray & Sandra Klingler
Walter & Helen Klink
Peter & Laura Kneip
Chad Knip
Roger & Donna Knip
Paul & Margaret Koehler
Stanley & Nancy Koehlinger
Russell & Bernadine Koert, Jr.
Thomas & Irene Konieczny
Karen Kontos
Douglas Kopp
Roger Kottowski
James & Melinda Kovach
Thomas & Barbara Kozlowski
Nancy & Alan Kramer
Arthur & Elaine Kreisberg
William & Marilyn Kreisle
Jeffrey Kretsch
David & Beverly Krewson
Peter & Catherine Kropp
David & Connie Kross
Patricia & Timothy Krouse
Robert & Karen Krupp
Barbara Kupfrian

Dennis & Mary Sue Kuzak
Eugene Lamberson
James & Donna Lambrechts
Alfred & Annabel Land, Jr.
Linda Laney
James & Barbara Lange
William Lantz, Jr.
George & Annette Lapalm
Robert & Madell Lark
Mehran & Behjat Lashkari
Morris & Florence Lauwereins
Robert & Sara Law
Jeffrey & Terri Lazzell
William & Melissa Leady
Delbert & Mary Leistner
Andrew & Stephanie Lemberis
Hermanus & Danita Lemmer
Lawrence & Donna Lenahan
Jerome & Jean Lenczowski
Nick & Matilda Leo
John & Regina Leone
Robert & Janet Liljestrاند
Ping & Sylvia Lin
John & Rosemarie Linhart
Charles & Ing-Ing Liu
Francis & Jane Liu
Colin & Eliza Lobo
Leslie Locke
Steven Loizou
Mark Lorah
Richard & Janis Lotz, Jr.
Donald Lowe
William & Patricia Luecht
Sarah & Thomas Lugar
Harry & Eleanor Lundstrom, Jr.
Chung & Cecelia Lung
Xiaodong Luo
Larry & Tammi Lydick
Gerald & Nanette Lyles
Matthew & Mariam MacGregor
Daniel Mack
Charles & Cathleen MacLeod, II
Kimberly & Mark Mader
Samuel & Gloria Maggard
Reid & Allison Magner
Steven & Margaret Magnusen
John & Barbara Magyar
Hani Mahmassani & Millicent Kushner
Paul & Diane Makley, Jr.
Michelle & Steven Marsh
Dale & Billie Marshall
Joseph Marshall
Christopher Martin
Thomas Martin
Robert & Karen Masbaum, Jr.
Victor & Carol Ann Maslanka
Shawn & Amy Mason
Peter & Connie Massa
David & Elizabeth Mast
Kris & Christine Mattila
Neto Mauro & Maria Fernanda
Charles & Irene May
Wayne & Joan Mayhew, Jr.
David & Margaret Mays, Sr.
Craig & Phyllis McBride
Thomas & Patricia McBride
Edward & Joanne McCallum
Joanne & Edward McCallum
Roger McCampbell
Gregory & Marjorie McCaughan
Bramlette & Virginia McClelland
Ronald & Kay McCormick
Edwin & Anna McCoy
Jonathan & Colette McCoy
Richard & Jean McDonald
Scott McEntyre
Reece & Sharron McGee
William McGuirk
Marilyn & Robert McIlvaine
Robert McIvor
Dale McKinney
John & Eleanor McLaughlin

To give away money is an easy matter, and in any man's power. But to decide to whom to give it, and how large and when, and for what purpose and how, is neither in every man's power - nor an easy matter. Hence it is that such excellence is rare, praiseworthy, and noble."
-Aristotle

Michael McMillen
 Alan Mead
 Thomas & Jean Meeks
 Donald & Marian Meinheit
 Christopher & Kimberly Melluck
 John Merrill
 Garry & Jane Metcalf
 James & Evelyn Metcalfe
 Helen Michael
 Richard & Monika Michaels
 David Middendorf
 Costa & Anna Midis
 Robert Miles
 Michael & Patricia Milharic
 Robert Milhous
 Aileen Miller
 Gerald Miller
 Gregory & Joan Miller
 Keith Miller
 Kenneth Miller
 Lee Miller
 Richard Miller & Patricia
 Nassano
 Roger & Martha Miller
 Scott Miller
 Hamid Mirfendereski
 Sheridan & Norma Miszklevitz
 John Mlaker
 Dallas Montgomery
 Jane Mooneyham
 Raymond Moore
 Philip Moores
 Franz & Mary Ann Morsches
 James Mosley
 Robert & Jean Moss
 Anthony Mucelli
 Paul Mueller
 Timothy & Dee Ann Muench
 John Mulesa
 Alan Murata
 Michael & Annette Murphy
 Andrew & Jennifer Myers
 Erick & Gail Myers
 Joel & Mary Kate Myers
 Norman & Abigail Myers
 Robert Myers
 Jeffrey Myhra
 Randall & Kathleen Nagel
 Makoto & Asa Nakamura
 Mark & Carolyn Nelson
 Michael & Amy Nelson
 William & Becky Nelson
 Edward & Barbara Nevers
 William Newcomb
 James & Teresa Noonan
 James & Kimberly Noth
 Mark Nye

Jason Obergfell
 Mark & Laura O'Dell
 Christopher & Catherine Ogg
 Anthony Okafor
 George Okamoto
 Anne O'Keefe
 Dennis & Janet O'Neill
 Verde O'Neill
 Patrick & Janice O'Toole
 Gary Owen
 David Owens
 Douglas Oyler
 Michael & Rosemarie Pagones
 William Panarese
 Christopher & April Pangburn
 Angel & Rose Papadinoff
 William Paris, Jr.
 Wayne & Karen Parke
 Joseph & Joan Patrick
 J. R. & Margy Patterson, Jr.
 Robert & Kathryn Patty
 Victor & Mary Peck
 David & Patricia Peeler
 Barry Pell
 Jeffrey & Judy Penny
 Dennis & Kathleen Persic
 Charles Peterson
 Michael & Debra Peterson
 Richard & Patricia Peterson
 William Petranoff & Martha
 Michael
 Stephen Petty
 Luke Peyovich
 Henry & Sally Peyrebrune
 Donald Pfister
 Fredric Phares
 Gavin Phillips
 Jerry Phillips
 Courtney & Marjorie Phillips, III
 Michael Phipps
 Joanne & Kent Pierce
 Christopher & Debra Pieri
 Kenneth Pike
 Pitayakorn Pinitpouadol
 Robert & Vicki Pirando
 Darren Pittman
 Jeffrey & Kimberly Pizanti
 John & Laurie Placey
 David Pluckebaum
 Keith & Kathleen Polak
 James Polich
 Charles Poparad
 Van & Henrietta Porter
 Kevin & Linda Potter
 James & Diana Poturalski
 Harold & Barbara Poulin, Jr.
 Stephen & Carole Pousardien, Sr.

Earl & Elizabeth Prechtel
 David & Patricia Probst
 Richard Pruitt
 Norman & Anita Pumphrey, Jr.
 Scott & Susan Putnam
 Gregory Quebe
 Brian Quinlan
 Carol & Brian Quinn
 Donald Quist
 Olin & Donna Raby
 Manuel & Joan Raffo
 David & Winifred Rampe
 Richard Rampone
 Ronald & Blanca Rardin
 Joseph & Nancy Rasche
 Andrew Rawlins
 William & Cheryl Read, II
 Kevin & Anne Rearick
 Robert & Marilyn Redman
 Eric & Nancy Regelin
 Gil & Helen Rehm
 Robert Reiche
 Robert & Lynda Reid
 Peter & Terry Reigert
 John & Barbara Reihl
 Eric & Virginia Reiner
 Paul Rentner
 David & Carol Rhinard
 Stephen & Karen Ricks
 Jay Ridens
 Lorie Rieckers
 Terry Rinehart
 Gregory Riola
 David Ripple
 Kathleen & Kristen Risa
 Daniel & Constance Ritterskamp
 Charles & Norma Ritzler
 Gene & Lou Ann Rizer
 Michael & Mary Robson
 Ronald & Judith Rodkey
 Carl & Marjorie Rohde
 Dwayne & Helen Rollag
 Glenn Roming
 Robert Ross
 Alfred & Angelica Rossi, Sr.
 Ben & Janet Roth
 James & Joan Rothe
 Robert & Carlene Rouse
 Christopher & Dawn Rousseau
 Norman & Judith Rowe
 Max Rowland
 Betty Roxborough
 Ronald & Norma Rude
 Edwin & Maureen Rugenstein
 Leo & Judith Rumschlag
 Joseph & Sharon Russell
 Frederick Rhyner & Sally Nevin
 Dale & Beth Ryan
 John & Elvira Ryan
 Robert Rydell
 Eric & Laura Rysdon
 Timothy & Margaret Rytlewski
 Michael & Melissa Salmon
 Irwin Saltz
 Alan & Nancy Sanderson
 Jean & Frank Sangiorgio
 Dario & Sara Santana
 Paul & Amy Satterly
 Robert & Robin Scaer
 Craig & Rose Schaefer
 Phillip Schaeffer
 James & Flora Schafenacker
 Dennis Schick
 Frank & Mary Schilt
 John & Carol Schmidt
 Leroy Schmidt
 Paul & Donna Schmidt
 Deven & Lucy Schmitt
 Jeremy Schmitt
 John & Glenda Schneider
 Thomas Schnetzer, II
 George Schoene
 Rick Schroder

Romayne & Joy Schroder
 Barry Schueler
 Daniel & Susan Schuller
 David Schulman
 Lawrence & Carol Schulman
 Paul Schulz
 Robert Schuster
 James Scott
 Stephen & Debrah Seaboyer
 L.R. & Skeek Secrest
 Frederick & Anne Seeger, Jr.
 Leon & Jerilynn Seibel
 Justin Seiler
 Ephraim & Nahu Senbetta
 Kim & Magali Sermersheim
 Richard Sesny
 Achyut & Shashikala Setlur
 Patrick & Jane Settle
 Arthur & Eva Shak
 Carl & Jennifer Shangraw
 Robert Shankland
 Vernon Shanklin
 Joseph & Sherry Sharp
 Maurice & Sharon Sharp
 Thomas & Janet Sharp
 Wesley & Kathryn Shaw
 Richard & Ruth Shea
 Dennis & Treva Sheets
 Ronald & Patricia Sheffler
 Bradford Shilling
 Barton & Marta Shively
 Daniel & Mary Shoop
 Richard & Elizabeth Shoupe
 Joan Showers
 Gordon & Franceen Shunk
 Donald & Jane Shurig
 Gary & Suzanne Siders
 Scott Sieboldt
 David & Virginia Sigal
 William Sigman
 Fernando & Rosa Galvez
 Carlyle & Louan Sims
 Heung-Gweon & Mihee Ji Sin
 Scott & Lisa Sipes
 Max Sittenfeld Appel & Adriana
 Suarez Urhan
 James Slambrook
 Robert Slinker
 Jason Sluzas
 David & Pamela Sminchak
 Don & Dorothy Smith
 Gary & Desma Smith
 Keith Smith
 Melvin & Peggy Smith
 Murray & Mary Smith
 Stephen & Janet Smith
 William & Janet Smith
 George & Beth Snyder
 Elizabeth & James Solberg
 Robert & Elizabeth Solow
 Kurt & Anne Sommer
 Ronald & Kathleen Sonntag
 George & Iris Soccia
 Douglas & Patricia Spaulding
 Mark & Rita Spears
 John Spiess
 Athanasius Spiridis
 Karen Springer & Jon Fricker
 Roger & Betty St. Germain
 Joseph & Paula Stallsmith
 John & Geraldine Stamm
 William & Cynthia Stamper
 Stephen & Susan Stanich
 Alan & Donnabelle Stanley
 George & Veronica Stanley
 Jeffrey & Terri Stapleton
 Janna Stathyelich & Scott Yelich
 James & Jeanne Steele
 Ronald & Mary Steele
 Irma Steinhaus
 Jack & Virginia Stephens
 Mark & Mona Stern
 Robert Stevenson

Bradley & Lori Stewart
 Dean & Melissa Stewart
 Ernest & Donna Stoops
 Larry & Lois Stover
 Vergil & Mary Stover
 Kenneth & Doris Streeter
 Elliott Sturgeon
 John Suardi
 Nathan Subler
 Dennis & Sheila Sullivan
 Marlin & Karla Sumner
 Hsiao-Lan Sun
 Michael Susong
 Walter & Joan Swanson
 Thomas Swantko & Kathlyn Gail
 James & Mary Sweet, Jr.
 Donald & Mary Swing
 Vincent Tabor
 Peter Talarico
 Richard & Marsha Taliaferro
 Jo Tarrh
 Carol Tasillo
 Stephen & Kathleen Tatro
 Charles & Lucile Taylor
 Harold & Joan Taylor
 John & Marie Tellman
 Mary Tellman
 John Tesner, Jr.
 Jerome & Cindy Thinnis, Jr.
 Mark Thomas
 Andrew Thompson
 Bethany & John Thompson
 Dwig t & Deanna Thompson
 Raymond & Joanna Thompson
 Sidney Thompson
 Patricia & Bernard Tobergte
 Julius & Margaret Toenniessen
 Fujio Tomita
 Hisao & Jennie Tomita
 Robert & Nancy Tomlinson
 Mark Tomsyck
 Miller & Dolores Tonkel
 Matthew & Nancy Travis
 Theodore Treadway
 Carlton Trimble, Jr.
 Nicholas Tsongos
 James & Susan Tully
 Donald & Tina Turner
 Robert & Janis Turner
 Carl & Barbara Tuttle
 David & Donna Uckotter
 Rodney & Sharon Urbano
 Kent & Joan Vail
 Edward Vana
 Terrance & Teresa Vandereyk
 Dirk & Tammy VanZyl
 Daniel & Nina Victor
 David & Mary Vidimos
 Louis & Joan Violanti
 Joseph Vialli
 Charles & Mary Ann Voyles
 Frank & Jacqueline Vukovits, Sr.
 Anthony & Linda Wachinski
 Nathan Waggner & Amy
 Swartzentruber
 Jeffrey Walker & Carey Becker
 Richard & Alice Walker
 Thomas & Jane Walker
 Tina & Barry Walker
 John & Carol Walsh
 C. M. Walton
 Rudy & Marguerite Walz
 Yuting Pei & Dong Wang
 Curtis & Jan Ward
 Dennis & Nancy Warren
 Harold & Ruth Warren
 William & Susan Waters
 Leith & Theresa Watkins, III
 Ronald Watt
 Michael & Ione Weaver
 Carl & Verona Webb
 Robert Webb

Paul & Catherine Wedel
 Dennis & Sidney Weeter
 Gary & Anne Weidman
 Richard & Shannon Weigand
 James & Barbara Weinheimer
 Stephen & Joyce Weintraut
 Jonathan & Brandy Weiss
 Johnny & Rose Wells
 Frank & Jeanne Wellwerts
 Christopher & Paige Wenaas
 Dennis & Sally Wermcrantz
 Kevin & Lois Westervelt
 Michael & Robin Westhafer
 Todd Whaley
 Robert & Phyllis Wheeler
 Stephen & Pamela Whitcomb
 Daniel & Marla White
 David & Annette White, Jr.
 Margaret & James Whitehead
 Nicholas & Laura Whitney, Jr.
 Kenneth & Rita Wichorek
 Stacey Wiegand
 Charles & Patricia Wiegman, Jr.
 Robert & Janet Wiese
 Thomas & Judith Wiese
 Wayne & Mary Wildenradt
 Lawrence & Kathleen Wilder
 Paul & Debra Wilkinson, Jr.
 Max Williams
 Stephen & Constance Williams
 George Williams, Jr.
 Dirk & Elizabeth Willms

Dale & Cathlyn Wills
 Stephen & Ann Wills
 James & Anne Wilson
 Jared & Jean Wilson
 Kevin & Margaret Wilson
 John & Melanie Winstanley
 Virginia Winter
 Alan & Susan Wiseman
 William & Mary Witzell
 Charles & May Wiza
 William Wolf
 Jack & Mary Wolfe
 Thomas & Kathleen Wolff
 Albert & Marlene Wollmann
 Joseph Wood
 Ann & Kenneth Woodhull
 William & Mary-Frances Work
 Debra Wright
 Jerome & Vesper Wright
 Nancy & David Wright
 Jonathan & Mary Wu
 David & Kelly Yang
 Joseph & Kee Lam Yau
 Steven Yeats
 Ji Yeh & Xie Ying
 Charles & Odiene Yokochi
 Jeffrey & Sheila Yurasovich
 Richard & Anne-Marie Zielinski
 Herbert & Maxine Zinsmeister, Jr.
 Robert & Janet Zolcak
 Roberta & Howard Zuvers



Civil Engineering TELEFUND

(formerly the Phon-A-Thon)

January 17 - 24, 2001

Enthusiastic Purdue students will be calling selected alumni from Civil Engineering during the week of January 17 to 24. They want to personally share with you some of the great things happening in your School in order to help raise needed funds. Thanks to alumni like you, CE broke an all time record last year in raising over \$93,000 through the TELEFUND. In addition, last year's average pledge per alumni was \$90. Let's set a new record this year!

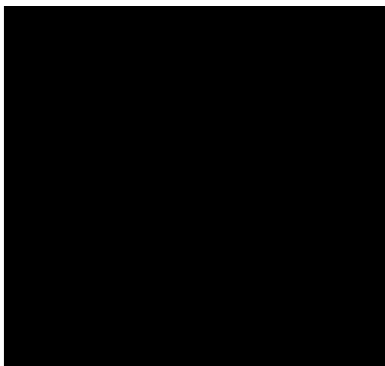
When a student calls you on behalf of Civil Engineering take your time and enjoy your conversation with them. And remember, your gift to the TELEFUND is used to help improve many things within the School (i.e. laboratory equipment, computers, scholarships). Thanks for your help and please give generously!

Say "Yes" to the student caller when you hear, "Hello, I'm calling from Purdue University on behalf of the School of Civil Engineering."

Cristine Klika, BSCE '78, INDOT Commissioner, Richard Schwartz, Dean Schools of Engineering, and Daniel Halpin, Professor and CE Interim Head.



Much to choose from at the luncheon for the Harold Michael's Lab Dedication.



1999/2000 Corporate/Foundations Donations to Civil Engineering

Abbott Laboratories	Ernest K. Hirata & Associates	John F. W. Koch & Assoc. Inc.	Plastic Processors Inc
•	•	•	•
American Society of Civil Engineering	Exxon Mobil Corporation	Lafayette Rotary Club	Powder Coating Institute
•	•	•	•
BP Amoco Foundation Inc.	Fidelity Invest. Char. Fund	Lima Cement Products Inc.	Precast/Prestressed Concrete
•	•	•	•
Carlin Engineering	Florence McKee Trust	M. L. Kavas and Associates	Purdue University Student Org
•	•	•	•
Carrier Corporation	Fluor Foundation	Maple Point Foundation Inc.	Raineybrook Realty Corp.
•	•	•	•
CE Solutions, Incorporated	Force Construction Company	Milestone Construction Inc.	Reliance Electric
•	•	•	•
CH2M Hill Foundation	Geosurv Inc.	Milestone Contractors L P	Roger Ward Engineering, Inc.
•	•	•	•
Charles W Hoppe Inc	Glennenn Farm	New York Blower Company	Rudolph & Sletten Inc.
•	•	•	•
Christopher B. Burke Eng. Ltd	Grabill Cabinet Company	Occidental Petroleum Corp.	Sherwin Williams Company
•	•	•	•
Civil Designs PC	Hamilton Hunter Builders	Ottenweller Company Inc	Sloane Development
•	•	•	•
County Surveyor's Assoc./IN	Indiana Society of Prof. Land Surveyors	Parsons Brinckerhoff Grp Adm	Smith & Dowling
•	•	•	•
Douglas A. McComb Inc.	Innovative Design	Paul I. Cripe Char. Fdn. Inc.	Stone Engineering
•	•	•	•
DW Squared Inc.	Institute of Trans. Engrs.	Paul I. Cripe Incorporated	Sverdrup Civil
•	•	•	•
E & S Bechtel Jr Fdn	Intel Corporation	Perry Meridian Middle School	T.C. Engineering Company
•	•	•	•
Engineering Mfg. Services Co.	J.S. Sweet Company Inc.	Perry Township Administrators	Terrel Research
•	•	•	•
Engineering Resources Inc.	James P. Morford Incorporated	•	TJW Survey
•	•	•	•
			UOP LLC
			•

Matching Corporations Contributing to Civil Engineering

Alcoa Foundation	GE Fund	Company	Foundation Inc.
•	•	•	•
American Express Foundation	Glaxo Wellcome Inc.	Union Pacific Corporation	ConAgra Foundation Inc.
•	•	•	•
Ameritech Foundation	Halliburton Foundation Inc.	USX Foundation Inc.	Owens-Corning Foundation Inc.
•	•	•	•
BP Amoco Foundation Inc.	Hewlett-Packard Company	Wausau Insurance Companies	Andersen Consulting Foundation
•	•	•	•
Archer-Daniels-Midland Foundation	IWC Resources Corporation	The Williams Companies Inc.	IPALCO Enterprises Inc.
•	•	•	•
AT&T Foundation	Marsh & McLennan Co. Inc.	Wisconsin Energy Corp Fdn Inc	PG&E Corporation
•	•	•	•
Bechtel Foundation	3M Foundation Inc.	General Motors Foundation Inc.	USA Group
•	•	•	•
Bristol-Myers Squibb Foundation Inc	ExxonMobil MGP	Minerals Technologies Inc.	Boeing Gift Matching Program
•	•	•	•
Butler Manufacturing Co. Foundation	Motorola Foundation	First Indiana Bank	Chevron Corporation/MGP
•	•	•	•
Caterpillar Foundation	Philips Elec North Amer Corp	Edison International	Fluor Foundation
•	•	•	•
DaimlerChrysler Fund	American Electric Power	Radian International	Raytheon Charitable Gift Fund
•	•	•	•
Chubb & Son Inc.	Penn. Power & Light Company	Morrison Knudsen Corp. Foundation	Goodyear Tire & Rubber Co
•	•	•	•
CIGNA Foundation	Philip Morris Companies Inc.	IBM International Foundation	Chicago Bridge & Iron Company
•	•	•	•
Dow Chemical Co. Foundation	Phillips Petroleum Company	Schein Pharmaceutical Inc.	Columbia Energy Group
•	•	•	•
Eaton Charitable Fund	PPG Industries Fdn.	Kellogg Corp. Citizenship Fund	Shell Oil Company Foundation
•	•	•	•
Eli Lilly and Co. Fdn.	Ralston Purina Trust Fund	BellSouth Telecommunications	•
•	•	•	•
Exxon Mobil Foundation	TRW Foundation	CINergy	•
•	•	•	•
Ford Motor Company Fund	Turner Construction		
•			

SUCH EXCELLENCE IS RARE

"To give away money is an easy matter, and in any man's power. But to decide to whom to give it, and how large and when, and for what purpose and how, is neither in every man's power - nor an easy matter. Hence it is that such excellence is rare, praiseworthy, and noble."

- Aristotle

After enjoying lunch recently with alumnus Al Oak of Indianapolis, he shared about he and his wife Shari's intent to give a gift to the Civil Engineering's campaign to build a High-Performance, Large-Scale Laboratory. "The folks at Civil are like family!" Al said. "My heart belongs to Purdue."

"Hence it is that such excellence is rare, praiseworthy, and noble."

I telephoned Jim and Beatriz Houmard, from Akron, Ohio, a while back to thank them for a recent gift they had made to Civil Engineering. I left a telephone message of appreciation and a couple days later received an email message in which Jim wrote: "Our recent contribution is in appreciation of the fine education provided by the Civil Engineering School. This enabled me to enjoy a most interesting career...the great education I received is thanks enough!"

"Hence it is that such excellence is rare, praiseworthy, and noble."

Another of our alumni, Vern Casteel, who lives and works in South Bend, Indiana with his wife Marti, also recently made a gift to the High-Performance, Large-Scale Laboratory campaign. When Vern told me of his decision to give an early leadership gift he said, "I would not be where I am today in my business if it were not for Purdue Civil Engineering. I owe them so much!"

"Hence it is that such excellence is rare, praiseworthy, and noble."

Jim Wurster, from Indianapolis feels very much the same way as Vern. He and his wife Sarajane are also giving a leadership gift to the new Lab campaign. When Vince Drnevich and I met with him at his office he said, "It's time I gave something back to Purdue because of all they have given me in my career."

"Hence it is that such excellence is rare, praiseworthy, and noble."



Stuart Jones, Shari Oak and Al Oak enjoy a round together at the CE Open

I wish I could share with you all the stories about all the alumni who give their gifts out of devotion and love for the School so that no one would feel left out. But you know who you are! And your School knows who you are! And if your name is on our "Honor" list in this issue, then your extended Civil Engineering family knows who you are too!

On behalf of the entire School of Civil Engineering and its thousands of alumni, I again want to say "Thank You" for the gifts you give. This issue of TRANSITIONS lists all alumni, like you, who over the last year have displayed such rare excellence. We recognize you because what you have done in support of Civil Engineering in the past, and for what you will continue to do in the future. I echo the words of Aristotle, "such excellence is rare, praiseworthy, and noble."

In appreciation,

Stuart D. Jones

Director of Development and Alumni Relations



Some alumni and friends of the School are moved to contribute gifts in memory of a loved one. Such is the case of Dorothy Goldberg and daughter Jane Goldberg. In honor of the significant work of Civil Engineering faculty member John (Jack) E. Goldberg in teaching and research, Dorothy and Jane have sought to honor the contributions of their late husband/father with the School's first million dollar gift toward the construction of the High-Performance, Large-Scale Laboratory.

"Hence it is that such excellence is rare, praiseworthy, and noble."

CIVIL ENGINEERING
CALENDAR OF EVENTS

Commencement Reception

December 17, 2000
Immediately following graduation.
Civil Engineering Building main foyer.
All graduating CE students, family and friends are invited.

Illinois CE Alumni Reception

January 6, 2001, 11:00 a.m.
Illinois Alumni Reception at Carmen's Pizzeria in
Evanston, Illinois
2:00 p.m. Purdue vs. Northwestern Basketball Game at
Northwestern Univ. in Evanston
For more information or to make reservations,
contact Thomas Burke at:
847-823-0500 or at: tburke@cbbel.com

CE Alumni Reception

In conjunction with the
Transportation Research Board in Washington, DC
January 7, 2001
5:30 - 7:30 p.m. Marriott Wardman Park Hotel,
Washington, D.C.
All Purdue CE alumni and friends are invited to attend.

CE Alumni Achievement Awards

March 8, 2001
6:00 p.m. Purdue Memorial Union North Ballroom



CE Advisory Council

March 9, 2001
Civil Engineering Building

87th Purdue Road School

March 20-21, 2001
Purdue University in Stewart Center.

Gala Week/CE Breakfast

April 21, 2001
8:00 a.m. Breakfast in Civil Engineering Building, room G150,
prepared by our "world famous" faculty chefs.
All Purdue CE alumni and friends are invited to attend.
special Guest: Gene Keady

Commencement Reception

May 11, 2001
Immediately following graduation.
North Patio of Civil Engineering Building.
All graduating CE students, family and friends are invited.

Annual CE Golf and Tennis Open and Picnic

June 8, 2001
At the West Lafayette Elks Country Club.
All Purdue CE alumni and friends are invited to attend.
2:00 p.m. Registration
1:00 p.m. Golf and Tennis Tournament
5:30 p.m. Catered Picnic



<http://ce.ecn.purdue.edu/CE>

Transitions is published semiannually for alumni, faculty and staff, parents, and friends of the School of Civil Engineering at Purdue University. Send comments, news, and address changes to: *Transitions* Editor, School of Civil Engineering, Purdue University, 1284 Civil Engineering Building, West Lafayette, Indiana 47907-1284 or e-mail: cenews@ecn.purdue.edu

**TRANSITIONS**
Purdue University, 1284 Civil Engineering Building, West Lafayette, IN 47907-1284

Non-Profit Organization
U.S. Postage
PAID
Purdue University