

Indiana Civil Engineer

American Society of Civil Engineers

May, 1999

Indiana Civil Engineer Of The Year: Rollin E. Farrand



Indiana's Civil Engineer of the Year, Rollin E. Farrand, (right) receiving plaque from Section President Cecil Whitaker at the Annual Meeting in South Bend on April 15, 1999.

Rollin Elvin Farrand was born October 17, 1928, in Shipshewana, Indiana. He graduated from Goshen High School in 1945 and attended Purdue University. In 1950 he graduated with a bachelors degree in civil engineering from Purdue.

Rollin then decided to enter the military. He served with the Army Corps of Engineers until 1953 when he received an Honorable Discharge as a 1st Lieutenant. His responsibilities included be-

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Coming Next Issue:

Project of the Year: West Baden Springs Hotel Restoration

ENGINEER OF THE YEAR from Page 1 ing the leader of a road construction platoon which included building projects.

He then moved on to the New York Central Railroad in Indianapolis where he started as an instrument person and progressed to a crew chief for field surveys involving legal descriptions for property transfers and new rail locations surveys. In 1956 he decided to take a better position as a structural engineer with the Civil Aeronautics Administration Technical Development Center in Indianapolis. Rollin served as the supervising engineer for a test program involving improving the visibility of helicopter cockpits.

From 1958 until 1970 Rollin returned to Transportation Engineering where he served in the Indiana State Highway Commission as the Assistant Engineer of Road Design. Mr. Farrand was a supervisor of consultants design, as well as design work performed by state staff. He also developed and supervised development of the first part of the Indiana State Highway Road Design Manual.

After having supervised consultants for 12 years, he joined their ranks in 1970 when he joined the firm of Charles W. Cole & Son (known today as Cole Associates, Inc.) in South Bend. He took on the role of Highway design Engineer and Chief Engineer of the Civil Engineering Design Group. In 1973 a position became available as the South Bend City Engineer. Later he became the Director of Public Works supervising 14 bureaus, including streets, engineering, traffic, water, sewer, and the wastewater treatment plant. After a 3 year term of service with the City of South Bend, Rollin returned to Cole Associates, Inc. as Vice President of Engineering.

In this new role he supervised 6 engineering disciplines including highways, structural, environmental, industrial hygiene,

1999 Student Award Winners

The following listed students were honored at the Indiana Section's Annual Meeting last month as outstanding students at the civil engineering schools in Indiana. The students received a certificate and a \$50 check from the Indiana Section, ASCE.

University of Evansville

Brian W. McKenna

Alysen M. Stockinger

Indiana Institute of Technology

David F. Bucaro

University of Notre Dame

Christa Bonick - Maureen Neville

Purdue University

Karyn A. Bailey - Emily E. Ellis

Zachary Jones - Megan E. Moloney

Michael J. Smith

Rose-Hulman Institute of Technology

Sean Stoughton

Jonathan Walls

Tri-State University

Chad E. Clark

Jonathon L. Sera

University of Southern Indiana

Stephen Applegate

Trent Lamb

Valparaiso University

Kyle Kopper - Mark Matasic

surveying and construction administration. While at Cole, Mr. Farrand worked on projects from Evansville, Indiana to Mancelona, Michigan and even as far away as Nigeria, Africa. These projects had a great deal of diversity from large drainage plans for counties to major grade separation projects over railroads, signalization designs, subdivision plats, site work for a variety of building projects, solid waste studies, and a wide range of road, street, highway and bridge design projects. While at Cole, Rollin also served as the Town Engineer for the Town of Porter, Indiana.

In 1993 Mr. Farrand decided to leave Cole to take on a new challenge as the County Engineer for St. Joseph County, Indiana. He served in this capacity until January of 1998. He made the decision to reduce his workday by taking a part time position with the Troyer Group, an architectural/engineering firm in Mishawaka, Indiana.

Rollin Farrand has had a considerable impact on the State of Indiana through his long and successful career as a professional engineer. He has been a caring and concerned mentor for hundreds of young engineers who have served under his direction.

Rollin has designed, or been in direct supervision of, over 300 miles of highway design. This includes a large portion, 162 miles, of interstate design during the initial building of the Interstate System in the fifties and sixties. He has had his hands in the design of every interstate that currently runs through the state of Indiana, from 24 miles of I-64 in southern Indiana to multiple interchanges along the Indiana Toll Road in northern Indiana. The remaining 157 miles of the total 319 miles consisted of national and state routes throughout Indiana. Locally, Rollin was also instrumental in the development and construction of the St. Joseph Valley Parkway, Ironwood Drive and Capital Avenue Corridors within St. Joseph County, the City of South Bend and the City of Mishawaka.

Throughout his career (approximately 44 years) Mr. Farrand was actively involved in the American Society of Civil Engineers as well as the American Public Works Association, the Indiana Association of County Engineers, the American Water Works Association, the Institute of Transportation Engineers and the American Right of Way Association.

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Section President's Message

by Cecil Whitaker

Are We Selling Paint?

I talked with a business acquaintance recently about service versus selling. He told me a story about a salesman who made a number of unsuccessful calls upon a client. The client never seemed to need paint.



The client had a number of problems however. Inventory control was a constant source of concern. Another salesman visited the client but never mentioned paint. The salesman only asked what sort of problems the client was confronted with. The client said he never knew how much of each product he had.

The second salesman returned two days later and suggested that the client color-code his barrels with paint the second salesman could provide. The client purchased the paint, and also mentioned that an OSHA inspector had visited his factory the day before. The OSHA inspector had cited the client for inadequate aisle space and worker exposure to hazardous areas.

Within a week the second salesman was back with a plan to stripe the factory floor to make sure adequate aisle space was maintained. Hazardous areas would also be marked with red or orange paint to warn workers of potential dangers. The second salesman provided the needed paint to solve the client's problem.

Every story has a moral and this one is no different. The client never purchased any paint. The client only purchased solutions to problems.

As civil engineers we often talk about our profession as civil engineering in some form. We offer structural engineering, environmental engineering, or transportation engineering. However, technology is quickly performing

many traditional engineering functions. Calculations and designs are becoming more computerized and more the domain of technicians, even if the technicians have engineering degrees. Our clients and our employers may soon require less of our "paint" than in the past.

I believe that our civil engineering skills need to be refocused. We should be marketing solutions to society's problems and needs which require our civil engineering expertise. Our most valuable commodities are our thought process and our vision. If we provide timely solutions to difficult problems using our thinking and vision, our clients and our employers will continue to use these two "paints" which our profession can best provide.

What situation requires a solution from you?



Events Calendar

Indiana Section

Annual Meeting: Spring, 2000
Indianapolis, Indiana

Section Board Meetings:

June 5, 1999, Indianapolis
August 21, 1999, Indianapolis

14th Annual Civil Engineering Professional Development Seminar

November 4, 1999 - Purdue University,
West Lafayette, IN

District 9 Council:

Fall, 1999 - Host: Arkansas Section

National ASCE:

Annual Conventions & CExpo:

October 17-21, 1999 - Charlotte, NC
October ?-?, 2000 - Seattle, WA
October ?-?, 2001 - Houston, TX
October ?-?, 2002 - Washington, DC
October ?-?, 2003 - Nashville, TN
October ?-?, 2004 - Baltimore, MD

Board of Direction Meetings

July 8-12, 1999 - Denver, CO
October 16-17, 1999 - Charlotte, NC
January 20-24, 2000 - San Antonio, TX
April 2000 - To Be Announced

ASCE Continuing Education Seminar Hydrologic & Hydraulic Design of Culverts

Orange County, CA - June 24-25, 1999
Seattle, WA - September 16-17, 1999

International Great Lakes Conference & Exhibition on High-Speed Ground Transportation

Merrillville, IN November 8-11, 1999
Indiana High Speed Rail Association
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1999 Annual Meeting in South Bend: High Attendance, Good Program

The 1999 Indiana Section Annual Meeting was a rousing success, reports Annual Meeting Chair and Section Vice President, Ken Herceg. This was the first Annual Meeting held outside the Indianapolis area in several years. The Section Board is considering holding the meeting outside Indianapolis on alternate years.

Herceg reports that there were 277 registrations with over 200 attending the noon luncheon. Over 100 student chapter members attended the sessions, topped by 49 students arriving in a chartered bus from Rose-Hulman Institute of Technology. The University of Notre Dame student chapter was well represented, as were 5 additional university student groups. South Bend area consultants responded well and sent a large number of engineers to the sessions.

Four concurrent technical sessions were conducted in both the morning and afternoon. General subject themes were: Hydraulics, Transportation, Structures, Geotechnical and Tools of the Profession. The Tools of the Profession were especially popular and featured communications with owners and dealing with the media.

The noon luncheon featured speaker was Herb True, who gave an entertaining and stimulating graphic presentation. Students from Rose-Hulman won the student design presentation award. A raffle of a color TV set was conducted again this year. The drawing was made from entries that were stamped at each of the exhibitor's booths. Winner of the TV was Duane Monical of Indianapolis.

The Engineer of the Year award was presented to Rollin E. Farrand, P.E. & L.S., former Director of Public Works in South Bend. A complete article appears elsewhere in this issue.

The West Baden Springs Hotel Restoration received the Project of the Year Award. The restored 200 foot diameter dome is quite impressive. The project will be the subject of an article in the August issue.

Suggestions for next year's meeting would be welcome and may be submitted to a member of the Board or one of your Branch officers.

1999 Annual Meeting Exhibitors: The Indiana Section, ASCE

Extends a *Special Thanks* to these Companies and Organizations for their Participation and Support with a booth at the Annual Meeting.

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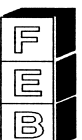
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News From The Branches

METROPOLITAN INDIANAPOLIS BRANCH

Geotechnical Focus Group

Report by Susan Lepore, Co-Chair of Geotechnical Focus Group.

The Indianapolis ASCE Geotechnical Engineering Focus Group hosted Mr. Jim Sanneman, Tensar Specialist with CONTECH Construction Products, Inc. and Mr. Terry Dull, P.E., Regional Engineer with Tensar Earth Technologies (Cincinnati) as speakers on April 7, 1999. The focus of their presentation was the use of Tensar grids beneath shallow spread footings and pavements for improved soil bearing capacity. Our next presentation, tentatively scheduled for early June, will be given by Dr. Rick Deschamps, P.E., Senior Geotechnical Engineer with Fuller, Mossbarger, Scott and May Engineers (Lexington, KY office). Rick will discuss one of his current projects, the study of the stability of Blue-stone Dam in West Virginia. For further information about this meeting or future events of the geotechnical group, please contact either of the group's Co-Chairs: Susan Lepore (ATC Associates, Inc.) at (317) 849-4990, Ext. 1712, or Peter Lee (ETS/PSI) at (317) 216-7131.

Hydraulic/Environmental/Pipe (HEP/TEK) Focus Group

Report by Steve Gress, Chair of HEP/TEK Group, 1998-1999.

The Hydraulic/Environmental/Pipe Technical Focus Group (HEP/TEK) held a luncheon and tour session on May 11, 1999. Following a lunch at Rick's Boatyard Cafe, the group met at the Eagle Creek Dam Fa-

cility for a project tour. The tour guide was Mr. Paul Struck, Senior Project Engineer with the Indianapolis DCAM. Mr. Struck supervises all lift station maintenance and provides oversight of maintenance work performed by the White River Environmental Partnership (WREP) for the Indianapolis sewer system.

Due to all the hard work of the planning committee for the HEC-RAS workshops, the sessions were a great success. Dr. Robert Houghtalen from the Rose-Hulman Institute of Technology did an excellent job as the speaker for the first session that focused on modeling basics. The second session on April 6th was again an excellent presentation that was made by Mr. David Finley from the Indiana Department of Transportation. His presentation addressed the practical aspects of bridge modeling. The third and final session was held on May 4th and discussed advanced hydraulic modeling techniques. Mr. David Knipe from the Indiana Department of Natural Resources gave an excellent and educational presentation.

The May meeting will be my last as the HEP/TEK Group Chairperson. I feel we have come close to achieving our primary goal for the year, which was to provide a variety of educational opportunities for our group membership. We also developed programming for our secondary goal, which was to put on several different programs outside of the traditional water drainage focus of our group. I have enjoyed my year as the group chairperson and thank everyone who helped me to make this year a success. I especially thank Jennifer Roberts who has served as the Assistant Chairperson this past year and handled many of

the administrative details for the group such as sending out this newsletter.

John Pangallo, with Christopher Burke Engineering has eagerly volunteered to lead the group during the next ASCE calendar year which starts in July. Jennifer Roberts, who has again volunteered to be the assistant chairperson for our technical group, will assist him. If you have an interest in becoming actively involved in the HEP/TEK Group for next year, please give John a call at (317) 266-8000. I will also be sticking around as the Past Chairperson to assist whenever needed.

Structural Focus Group

Report by Craig Lehner, Chair of Structural Focus Group.

The recent activities by the Structural Engineering Focus Group (STG) so far this year included four lunchtime meetings and the Indiana State Section Meeting on April 15th. The lunchtime meetings consisted of: a presentation on the design and construction of the West Baden Springs Hotel; a planning meeting for future STG lunchtime meeting topics as well as topics for the Indiana Section Annual Meeting; a presentation on the design and construction of the Gateway Arch Bridge over SR 46 in Columbus, Indiana and a tour of Geiger & Peters steel fabrication plant. The Indiana Section Annual Meeting topics included the use of Grade 70 steel in bridge design, fully composite bridge design, FHWA initiatives, including the use of high performance concrete, and the design and construction of several types of mechanically stabilized earth (MSE) walls.

Future meetings/seminars for the remainder of the year that have already been set up include a day-long wood design seminar sponsored by the APA on May 25 and a presentation on Simpson wood connec-

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SPACE FOR BURGESS & NIPLE

District 9 Director's Report

by Peter G. Hoadley

During the Board Committee Week held January 13-19, 1999, your ASCE Board of Direction did not have an official meeting but many Board members were there and the new Planning and Implementation Committee (PIC) met. PIC is the "new" COSOPO - the name has changed and the charge has changed. I'll tell you more later.



During the five days I was in San Diego, I attended my three committee meetings: Education Activities (EdAC), Conferences and Conventions (CCC), and Planning and Implementation Committee (PIC). CCC met first to review the results of the Boston Convention. Boston did not attract the budgeted attendance, thus it did not do as well financially as we had hoped. The Convention Committee continues to be concerned about our annual conventions and we plan some new things for the next convention in Charlotte, NC (Fall 1999). We are trying to make our annual conventions more "demand" oriented and I believe you will find the sessions at the Charlotte Convention more practical in content.

My next committee was EdAC and it is very focused on the new ASCE first professional degree policy. ASCE is being perceived as a leader in this matter - out in front of all others. There are some concerns and these have been expressed by some of our members. Keep in mind that this new policy is for the future. ASCE cannot do any of this by itself. Many other "players" must buy in: universities, other professional societies, ABET, NCEES, and State Boards of Registration. If you haven't noticed, the "market place" is having considerable influence

on the direction this evolution is going. When I started my education career at Vanderbilt University in 1961, I could count on one hand the number of practicing civil engineers in Nashville that had a Master's Degree. Now when I count there are hundred's. In fact, some consulting engineering firms will not hire a civil engineer who doesn't have a Master's. Thus, my advice to you young civil engineers who wish to practice the profession - get your P.E. and get your M.S..

My last committee meeting was PIC. This group is just getting started so much time was devoted to organization, operation, etc.. I am the Chair of a sub-group charged with communicating critical issues of the Board better and quicker to the members. A good example of a "critical issue" was last year's unified dues proposal. And as you know, it passed the Board on first reading and failed on second reading. Many of you are disappointed in this, but the good news is that last year's section allotment distribution will stay the same for the next few years at least.

It is a long way to San Diego and I'm glad to be home. My wife, Susan, went with me and had a great time. I stayed in the hotel meeting rooms and after a few years, they all look the same. Next week it's Zone II Management Conference in Cincinnati and I'm looking forward to that because that's where the new and younger members meet, train, and learn - and I, in some sense, am one of the trainers - a role I really enjoy very much.

District 9 Council Meets 3-26-99

Report on District 9 Council Meeting — Lexington, KY — March 26 & 27, 1999

The meeting was called to order by Council Chair, John Bridwell of Kentucky Section in the Civil Engineering Building on the Lexington campus of the University of Kentucky.

During the Treasurer's report, Terrell Award Chairman Al Pope reported that the Council's goal of obtaining \$8,000 in donations to endow the Terrell Award program will be met since all Sections, and some individuals, have either made a payment or pledged to contribute to the fund. Thus the temporary increase in dues to the Council, passed at the last meeting, will not be necessary. Under authority granted at the last meeting by the Council, the Terrell Award Committee has decided to leave the Terrell Award funds in a CD rather than other investments that would involve risk to the endowment.

The 1999 Terrell Award winner was Ms. Morgan Hawker, a Senior Civil Engineering student at Rose-Hulman Institute of Technology in Terre Haute. She made her presentation to the Council in Session on Friday afternoon, March 26. The formal presentation of the bronze plaque was made at the banquet that evening. All in attendance remarked about the excellence of her presentation.

District Director Peter Hoadley of the Tennessee Section gave a report of national ASCE activities. Pete reports that two members will make presentations to the national Board next month for the office of Presi-

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dent Elect. One member is from California and the other is from Hawaii. It is reported that both members have petitions ready, therefore it is quite probable that there will be two names on the ballot sent out to members of the Society.

Director Hoadley reported on the action of the national Board of Direction establishing an ASCE position that the first professional degree in civil engineering be the Master's degree. The Council Members held a spirited discussion in attendance regarding this subject.

Pete Hoadley reported that in addition to the newly established Institutes: Structural, Geotechnical and Architectural Engineering, a fourth Institute, Construction, is the next in line. The Planning and Implementation Committee is recommending that another Institute, Environmental and Water Resources be approved. The latter is to present a business plan to the Board.

Hoadley reports that the Committee on Districts and Zones proposes an amendment to the Constitution, which will probably pass the Board, reclassifying Canada and Mexico as international sections. This amendment would remove Canada and Mexico from consideration in the calculation of representation in Districts and Zones. Redistricting of Districts and Zones must wait until the 1999 membership figures are in; therefore redistricting will probably take place in the year 2000.

Director Hoadley reports that the \$4.00 allotment for each member paying national dues is no longer in effect and that the amount now will be 3.5% of the national dues, paid by members assigned to each Section, will be allocated to that Section. This amount, which was distributed this year, will be higher than the previous \$4.00 per capita amount.

Tom Mawson, Director, Geographic Services at the World Headquarters of ASCE in Reston, Virginia, gave a report from the national office. He reports that ASCE is in the process of hiring a new Administrator for Zone II. Mawson also indicated that the national office will be phoning Section and Branch Presidents to improve the "information flow" between the national office of ASCE and the Sections and Branches.

Mawson also reported on the "Opportunity Fund" established by the Board of Direction. This fund will amount to about \$1 million per year and be financed by the interest from the \$9 million ASCE received as it's share of the sale of the United Engineering Center in New York City. This fund will provide money for projects deemed deserving by the Board of Direc-

tion. The following five activities will be the first programs supported by this "Opportunity Fund:"

1. Publications: Establish a Database Marketing System for non-members.
2. Communications: Provide an advertising campaign for public relations and marketing of ASCE.
3. 150th anniversary of ASCE program.
4. Fund raising: A unified campaign for foreign language publications and a TV special for the Discovery cable channel.
5. Restructuring of the ASCE web site.

The next meeting of the District 9 Council will be held in Little Rock, Arkansas either the last weekend in September or the first weekend in October, 1999.



1999 Daniel V. Terrell Award Winner: Morgan Hawker
Morgan Hawker, student at Rose-Hulman Institute of Technology in Terre Haute, receiving plaque from District 9 Director, Peter Hoadley, at the evening banquet during the District 9 Council Meeting in Lexington, Kentucky on March 26, 1999.

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Student Chapter Activities

UNIVERSITY OF NOTRE DAME

The American Society of Civil Engineers Student Chapter at the University of Notre Dame has had quite an exciting spring semester. In January four of our officers were sent to Cincinnati to attend the National ASCE Leadership conference. During the weekend we examined ways to improve club morale and participation. The event also offered an opportunity for Civil Engineering undergraduates to share thoughts with professionals about the future of Civil Engineering. Frequently discussed topics were the masters as the first professional degree and the recognition of engineers in society.

On February 6, 1999, our club sponsored a structures lab for the Notre Dame's annual Ms. Wizard Day program. The day was full of science and technology related activities geared to interest fourth through sixth grade girls in these fields. ASCE sponsored a lab that used toothpicks and gumdrops to build bridges. The girls were taught about trusses and stable designs and then were broken in teams to see which group could construct a bridge that could support the largest load. It was a very rewarding experience for all of those involved.

We spent many weeks preparing to host the Indiana State ASCE meeting this year. The event was held on April 15, 1999. As a chapter we hope that the event was informative and rewarding for everyone who was able to attend. Our officers have also been busy planning a senior dinner for this year's graduating class. This is always an event to look forward to.

Submitted by Julie Sherwin, Co-President
Notre Dame Student Chapter, ASCE

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

On 4-24-99 members of our chapter participated in an annual campus cleanup day. We sealed the concrete sidewalks and entranceways in front of the new buildings on campus.

Our steel bridge team tied for third place in the Great Lakes Regional Competition at the University of Wisconsin - Madison.

On April 14 approximately 15 chapter members took a trip to West Baden Springs Hotel. We were given a complete tour of the restoration project by the head engineer George Ridgway. We learned the importance of proper construction practices to prevent long term failure.

The weekend of May 1-2 was parents weekend at Rose-Hulman. Civil engineering students in the Materials class designed their own mixes and made small concrete cylinders. The chapter busted the cylinders on Saturday and the students received a grade based on the maximum compressive strength and weight of their cylinders. Bob Ladisich won with an astounding 8000 psi mix!

On May 6th, students in Materials class participated in the concrete cube competition sponsored by the American Concrete Institute. Lab group #1 won the contest and will be travelling to Indianapolis for the next level of competition on the 11th.

In addition, our chapter is also preparing to hold our annual Golf Tournament for Charity (benefiting Habitat For Humanity) on May 8th.

The week following the tournament, we plan to hold our annual spring picnic. It is

designed to provide a free reward for the hard work of the year and stimulate interest and inform civil engineering students to ASCE.

Submitted by David Christmas, Vice President, Cecil T. Lobo Student Chapter of ASCE.

TRI-STATE UNIVERSITY

The Tri-State University Student Chapter of ASCE has had a very successful year. We have averaged a meeting every month, and attendance has improved about 100% over last year.

This month we hosted Mr. Ed Tumulty, Regional Director, Central Region, Precast/Prestressed Concrete Institute, for an interesting meeting on this fascinating material. Mr. Tumulty discussed the basic theory and concept of precast/prestressed concrete and the many ways in which it can be used. He concluded his presentation with a series of very informative slides illustrating the use of this material. Many of the most recent applications were in Indiana, such as the new football stadium at Notre Dame.

The students have completed their concrete canoe and plan to compete in the regional races at the University of Wisconsin on May 1st. The canoe project was planned and led by Jon Sera, Chapter president, and Paul Shaffer, one of our seniors. This has been a great learning experience for the students involved. This year's concrete canoe team consisted of about 10 students who have put in some long hours on this project. At Tri-State University, this project is strictly a volunteer, extra-curricular endeavor, for which the students receive no academic credit. So, the students essentially are required to give very generously of their free time to work on the canoe.

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STUDENT ACTIVITIES from Page 8

Two of our student leaders were recognized at the ASCE Indiana Section Meeting in South Bend on April 15th—Jon Sera and Chad Clark. Jon has been the primary reason for our increase in attendance and success this year. As the president of the chapter, he has provided outstanding leadership. Chad has been active in ASCE for the past three years, serving most recently as the chapter treasurer.

Looking ahead already to next fall, the chapter is planning a community service activity for the Physical Education Department at the university. We will be placing some sidewalks around the recently renovated varsity tennis courts on our campus.

So, in summary, we are completing a very successful year at the Tri-State University chapter, and look forward to continuing this momentum into next year!

Submitted by Ken Meeks, Faculty Advisor, Tri-State University Student Chapter.

PURDUE UNIVERSITY**PURDUE ENVIRONMENTAL ENGINEERING TEAM TAKES FIRST PLACE**

Purdue University civil engineering students were named national winners of the 9th Annual Environmental Design Competition, a contest designed to encourage students to solve real-world waste management and remediation problems.

The contest, sponsored by the Waste-management Education and Research Consortium or WERC, is the only one of its kind in the world where university students solve an environmental challenge in a competitive format, said Ron Bhada, WERC director.

This year's competition, held April 12-15 at New Mexico State University in Las Cruces, New Mexico, included contestants from 24 colleges and universities. A team of 28 senior students from Purdue's School of Civil Engineering competed in the following events:

- o Innovative landfill closure: Develop an innovative cap system for solid waste landfills to meet the regulatory permeability standards for 30 years.

- o Transuranic waste reduction: Develop a decontamination and destruction process to economically reduce radioactive waste.

- o Pipeline waste removal: Develop a process for removing a gelated plug in a waste pipeline.

- o In-situ soil decontamination: Develop bioremediation techniques for contaminated soil.

Purdue took first place overall honors, and tied for first place in two out of the four competitions in which it competed, receiving \$11,500 in prize money and the Rust Geotech traveling trophy. The Purdue group also placed second and third in the two other events.

The winners were determined by judges ratings based on a written report, and oral and poster presentation and a working bench-scale model. The teams had to address regulatory, economical, health and public relations issues and incorporate them into their reports. Experts tested the resulting samples of the bench-scale design to determine how successful the students were with their cleanup efforts.

The student team at Purdue was directed by Inez Hua and Larry Nies, assistant professors of civil engineering, and Ron Wukasch, professor of civil engineering.

Submitted by Don Fry, Director, Alumni & Development, School of Civil Engineering, Purdue University.

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tions. Other topics for the remainder of the year are yet to be determined. A topic survey is currently being created and will be sent to all MIBSTG members to determine where interests lie for future meetings.

If anyone has any questions, or needs further information, you may contact me: Craig Lehner, P.E., CSO Engineers, 9100 Keystone Crossing, Suite 200, Indianapolis, IN, 46240, Phone: (317) 216-7131, Fax: (317) 216-7135, E-mail: clehner@csoengineers.com.

**Jonathan C. Esslinger:
Managing Director of
National ASCE's GMS**

Jonathan C. Esslinger, P.E., F.,ASCE is now Managing Director, Geographic and Membership Services for ASCE. As such, Mr. Esslinger will direct the day to day activities of National Staff in International Affairs, Membership & Geographic (Sections/Branches/Regional Councils) Services Departments.

Mr. Esslinger's membership with ASCE began as a student, then rising to President of the Dayton Section. After moving to the East Coast, Mr. Esslinger became active in the New Jersey Section and served as Section President in 1994-95 and as the Section's delegate to the District 1 Council. On a national level, Mr. Esslinger was active in numerous committees and served on the National Board of Direction as the District 7 Director and later as the Zone I Vice President. He is a licensed professional engineer in three states and has over twenty years of engineering experience.

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