MESSAGE FROM THE CHAIRMAN

It is hard to believe that it's April and the Annual Conference is just two months away! Please mark your calendars for June 18 through 21 and make plans to be in St. Louis (SLY2K). You should have already received your Advance Program, but if you have not, just log into ASEE's web site. You can get the full lineup of the sessions sponsored by the Civil Engineering Division using WEBMAT at http://www.asce.org/webmat. Just click on the block labeled Session Sponsoring Division, select the Civil Engineering Division, then click on Search. Our current Program Chair, Sam Clemence (Syracuse University), has organized a great set of technical sessions and social events, so please be there. Thank you, Sam, for all of your hard work.

Although you will read more about the Annual Conference later in this newsletter, I would like to call your attention to the EC 2000 Evaluator Training Session scheduled for Thursday. If your are, or will be, involved in the preparation of the documentation for your next ABET visit, attendance at an evaluator session is a must. Contact Janine Jescavage at ASCE for more specific information. She can be reached at (703) 295-6080 or jjesavage@asce.org.

We had a terrific annual conference in Charlotte last June! All of our sessions were standing room only, and nearly 50 attended both the RAP Session and the CE Social and Dinner. I am looking forward to even greater attendance this year in St. Louis. Let me remind everyone that Tom Lenox (ASCE) and Donn Hancher (University of Kentucky) have agreed to don (no pun intended) striped shirts and use their referees' whistles to keep everyone under control during the RAP Session this year. We have some great ideas for lively discussion—there will be no fools this year when we "change the subject!"

You may recall my description in the December Newsletter of the controversy which arose last year over the real Bob Henry—two showed up at the Social and Dinner in Charlotte. Well, it seems that the membership of the Civil Engineering Division is split in their opinion of the real Bob Henry. Please come to the Social and Dinner this year in St. Louis to learn the latest. Steve Ressler (US Military Academy) is heading up the investigation, and we will be updated on the latest developments. Thank you, Steve.

On to more serious items: Please join me in congratulating new division officers, J. P. Mohsen (University of Louisville), Dan McGinley (Institute for Professional Practice), and Dennis Fallon (The Citadel). J.P. was elected as the Vice-Chair/Program Chair for 2000-2001 and will be responsible for all division activities during the Annual Conference in Albuquerque in June 2001. The following year, 2001-2002, he will serve as Division Chair. Since

(continued on page 2)
MESSAGE FROM THE CHAIRMAN
(continued from page 1)

J.P. was elected in an even numbered year, he will replace me as ASEE Liaison on the Educational Activities Committee (EdAC) of ASCE. He will serve as ASCE News Correspondent for the ten constituent committees of EdAC and he will be the contact member of the Education and Practice Publications Committee (EPPC).

Dan was elected as a Division Director for 2000-2003, and replaces J.P. Mohsen, whose three-year term as Director ends this year.

Finally, Dennis Fallon has agreed to take over as Division Editor for 2000-2003. Dennis' primary responsibility will be the production of the semiannual CE Division Newsletter. Dennis replaces Dan McGinley who has brought our newsletter to new standards of excellence. Thanks again, Dan.

Congratulations to all of these new officers, and please accept my hearty thanks for agreeing to serve the Civil Engineering Division. I think you will find your roles quite rewarding.

Following the usual rotation, Sam Clemente will replace me as Division Chair next year. He will take over at the close of the Social & Dinner in St. Louis. The Division will be in good hands under his leadership. Good luck, Sam—you'll find your Chair position much less taxing than that as Program Chair!

Finally, I would like to put in a plug for the ASCE Journal of Professional Issues in Engineering Education and Practice. As you know, I have served on EPPC, the constituent committee of ASCE EdAC which is responsible for publishing this journal. The JPI represents a wonderful venue, in addition to the ASEE Annual Conference Proceedings, for papers on educational issues. I encourage all members and authors of papers in our technical sessions to consider contributing to this journal. The new JPI Editor, and Chair of EPPC, is Brian Brenner. He can be reached at (617) 951-6276 or brbrenne@bigdig.com.

See you in St. Louis!

Jim Nau
North Carolina State University

GEORGE K. WADLIN AWARD
This award recognizes someone who made a major contribution to Civil Engineering education and has been a contributor to the CE Division of ASEE. Wadlin Award recipients have been...

1999 Donn Hancher
1998 Bill Wilhelm 1992 Colby Ardis
1997 Gerry Seeley 1991 Marvin Criswell
1996 Dan McGinley 1990 Ronald Eck
1995 Walt LeFevre 1989 Glen Martin
1994 Fred Beaufait 1988 Peter Hoadley
1993 James McDonough 1987 George Wadlin

CHI EPSILON CORNER
Chi Epsilon, the National Civil Engineering Honor Society with 123 chapters at colleges and universities throughout the United States, is a Member of the National Association of College Honor Societies

◆ The annual Chi Epsilon-ASEE Luncheon will be held in St. Louis, on Wednesday June 21, 2000: 12:30 to 2:00pm (#3415).

◆ William P. Schonberg, PhD, P.E., Professor and Chair of the Civil Engineering Dept at the University of Missouri - Rolla will present: "Heavens, What a Mess!", a talk on the origins and potential solutions to the orbital debris problem.

◆ Robert Henry, National Secretary/Treasurer of Chi Epsilon, will be the Moderator

◆ New home page/web site at http://www.chi-epsilon.org

◆ The next conclave is at the U of Maryland in March, 2002 -- plan now to be there!

For more information, copies of publications, official jewelry, or to update your records, please contact:
Dr. Robert Henry, Secretary/Treasurer, Chi Epsilon, UT-Arlington, Box 19316, Arlington, TX 76019-0316 rherry@utarlig.uta.edu; Phone 817/272-2752
FAX 817/272-2826; Home phone 817/355-0313
Sue Brown, Office Secretary at xehq@utarlig.uta.edu

GLENN L. MARTIN AWARD
The 1999 Glenn L. Martin Best Paper Award went to Paul Mathisen, Fred Hart, and Tahar Al-Korchi for Incorporation of Distance Engineering into an Introductory Freshman Undergraduate Course in CE.
The program for the Civil Engineering Division has been finalized.

The activities include five technical sessions, five meal events, and one RAP session for open forum discussion. Please review the following program and make plans to join us in Saint Louis this June.

**Session 1115**
7:00 to 8:15 am
Monday June 19
Civil Engineering Executive Board Meeting Breakfast (ticket price $12)
This is the annual Civil Engineering Executive Board business meeting. All CE Division officers, directors, and standing committee chairs should attend. Those not wishing to eat breakfast may attend free of charge.

**Session 1415**
12:30 to 2:00 pm
Monday June 19
Civil Engineering Business Luncheon (ticket price $20)
This is the annual luncheon and meeting of the CE Division. All members should attend. A ticket is required for lunch. Those not wishing to have lunch may attend free of charge.

**Session 1915**
7:30 to 10:00 pm
Monday June 21
Civil Engineering RAP Session (ticket price FREE)
Location: Morgan Street Brewery; 721 N. Second St. LaClede's Landing (314) 981-5078
This is the annual RAP Session, an open discussion of issues of interest to civil and environmental engineering educators and practitioners. All members are encouraged to attend. Please come to share your views and enjoy your favorite beverage and munchies.

**Session 2415**
12:30 to 2:00 pm
Tuesday June 20
Civil Engineering Planning Luncheon (ticket price $21)
Plans for the 2001 ASEE Annual Conference will be finalized and planning for the 2002 conference will be initiated at this meeting. All members should attend. A ticket is required for lunch. Those not wishing lunch may attend free of charge.

**Session 2815**
7:00 to 10:00 pm
Tuesday June 20
Civil Engineering Social and Dinner (ticket price $45)
Location: Charlie Gitto's; 267 North 6th Street (corner of 6th and Pine Streets) (314) 436-2828
This off-site social gathering is open to members, guests and friends. Division awards will be presented.

**Session 3415**
12:30 to 2:00 pm
Wednesday June 21
Chi Epsilon Luncheon (ticket price $21)
This is the annual Chi Epsilon luncheon. W. P. Schonberg, PhD, PE, of the U of Missouri - Rolla will present "Heavens, What a Mess!" on the origins and potential solutions to the orbital debris problem. A ticket is required for lunch. Those not wishing lunch may attend free of charge.

The moderator for all business meetings, meal and social events is Jim Nau, Chair of the Civil Engineering Division.
MEET ME IN
ST. LOUIS!

Your Program Chair’s Top Ten Reasons to Come to St. Louis

10. Pass through the 8th largest airport in the world, Lambert St. Louis International Airport.
9. Meet St. Louisans.
8. Explore the Columbia Bottom Conservation Area, a 4,300-acre preserve at the confluence of America’s great rivers, the Mississippi and Missouri.
7. Visit the Los Angeles Rams new digs.
5. Dine in St. Louis Union Station—a spectacularly restored National Historic Landmark that was once the largest and busiest passenger rail terminal in the United States.
4. Try your luck at riverboat gaming.
3. Ride the tiny tram car to the top of the Gateway Arch, the nation’s tallest (630’) manmade monument.
2. Tour the Anheuser-Busch Brewery, a complex of more than 71 red brick structures on 100 acres. See the world famous Clydesdales, the brew house, the fermentation building and the packaging plant. No visit would be complete without frequent and lengthy stops in the hospitality room to sample the family of Busch products. (burp!)

And the Number One Reason...

1. To participate in a great event, the 2000 ASEE Annual Conference, and the many special activities of the Civil Engineering Division.

The opinions expressed above are those of a military school graduate and may not necessarily reflect the sentiments of the organization except during the year he is the Chair of the CE Division!
EVALUATORS ★ FACULTY $ ★ BRIDGES ☆ & MORE...

ASCE / ABET PROGRAM EVALUATORS NEEDED

ASCE is seeking qualified civil, construction and architectural engineering educators and practitioners to serve as ASCE/ABET Program Evaluators. ABET team members evaluate engineering programs, from their area of engineering expertise, as well as gain an overall perspective of the host institution. Confidential post visit evaluations are prepared and integrated into the final review.

All current and prospective civil engineering evaluators must attend an EC2000 training session before visiting a program under the EC2000 criteria. For additional information on how you can become involved in this rewarding experience, contact (703) 295-6080 or send email to: ijesca@asee.org.

CONCRETE CANOES

Throughout the month of April, ASCE Student Chapters and Clubs will participate in regional competitions across the country. Winners will advance to the 13th annual ASCE/MBT National Concrete Canoe Competition, which will be held by the Colorado School of Mines in Golden, Colorado, on June 24-26, 2000.

FACULTY ADVISOR TRAINING WORKSHOP

Recognizing that the role of the faculty advisor is critical to the success and effectiveness of any ASCE Student Chapter or Club, EdAC's Committee on Student Activities has developed an exciting new initiative that has been approved by the Board of Direction – the Faculty Advisor Training Program. The objective of this program focuses on educating the faculty advisor on how to be effective and how to utilize available resources to benefit the students and their Chapter or Club. The first workshop will be held at ASCE Headquarters in Reston, VA, on September 9-10, 2000. Up to 40 faculty advisors will be selected to participate. Faculty advisors of all levels of experience are strongly encouraged to apply. Applications are available online, or can be obtained by contacting Ping Wei: (703) 295-6106 or e-mail pwei@asee.org. Postmark deadline for completed applications is 4/15/2000.

FACULTY FINANCIALS

As a service to members, ASCE conducted a Civil Engineering Faculty Salary Survey in the fall of 1999 – and was distributed to all Civil Engineering Department Heads in March 2000. It may be useful in upgrading faculty salary scales. The report is published every two years by the DHC Executive Committee. For additional information or copies of the report, contact Janine M. Jescavage at (703) 295-6080 or email jjesca@asee.org.

RENEWAL NOTICES

Please check off "ED Engineering Education" as one of your ASCE Interest Areas when renewing your ASCE membership. This check-off is on the backside of annual membership renewal notices. This check-off helps us to quantify interest in educational issues – and provides us with a database for special educational mailings.

PROFESSIONAL ISSUES VIDEOS FOR LOAN

The Professional Activities Department has approximately 30 copies of two videos free to borrow for members to use at ASCE Section/Branch meetings and Student Chapter events – and to support civil engineering instruction. "The Glass Ceiling" is designed to facilitate discussion about how women are treated in the engineering profession, and "Testing Water...and Ethics" depicts a realistic ethical problem in engineering within an organization setting. For information on the video loan program contact Donna Barnes at (703) 295-6120 or email dbarnes@asee.org.

2002 NATIONAL ASCE STUDENT CONFERENCE

The Committee on Student Activities is planning a national student conference in summer 2002 in celebration of ASCE's 150th Anniversary. The conference will be co-sponsored by Master Builders, Inc. and the American Inst of Steel Construction, Inc. Dates and location are yet to be determined.

STEEL BRIDGES

Approximately 40 teams from across the nation will compete in the 2000 National Student Steel Bridge Competition, which will be held at Texas A&M University in College Station, Texas, on May 20-21, 2000.

PROJECT ExCeed

ASCE has successfully launched a new education program that gives civil engineering instructors around the country an opportunity to improve their teaching skills. The project was dubbed Project ExCeed for Excellence in Civil Engineering Education.

Based upon the program designers' work, two ExCeed Teaching Workshops will be offered during the summer of 2000. They are scheduled for the U of Arkansas – Fayetteville July 9-14, and the U.S. Military Academy July 30-August 4. Twenty-four participants have been selected from applications due March 1, 2000.

Tom Lenox
ASCE

Visit ASCE on the World Wide Web
www.asce.org

EdAC maintains pages containing basic organizational information including a list of divisions/committees; how to join, staff information, benefits of participating in program activities, and grants information. In addition, the ASCE Site is linked to the ABET home page containing program criteria for architectural, civil, and construction engineering.
Thoughts for a new Millenium...

REINVENTING CIVIL ENGINEERING EDUCATION

Civil engineering, the oldest engineering discipline, is facing unprecedented challenges. The world we live in today is vastly different from that of fifty years ago. Information technology has become ubiquitous in our society, new technologies are emerging, and learning paradigms and cognitive psychology are pointing the way to more effective education. Students are searching for an educational experience that prepares them for a variety of jobs, yet the curriculum and educational paradigm for civil engineers remains virtually unchanged over the past half century. Civil engineering technicians are serving in positions that would have been filled by civil engineering graduates in the past, and other professionals are filling some executive positions that had been reserved for civil engineers. New civil engineering graduates have the lowest engineering starting salaries, and the civil engineer has the bottom median salary of all fields of engineering. There is a clarion call to recruit, retain and reward women, minorities and the physically challenged into the profession. It is time to reinvent the educational system so that we can begin to educate tomorrow's civil systems integrators.

So reads the abstract of a paper by Ronald L. Sack, Director; School of Civil Engineering and Environmental Science; U of Oklahoma; David E. Daniel, Head; Department of Civil and Environmental Engineering; U of Illinois at Champaign-Urbana; Herbert Levitan, Div of Undergraduate Education; Directorate for Education and Human Resources; NSF; Rafael L. Bras, Head; Department of Civil and Environmental Engineering; Massachusetts Institute of Technology; Priscilla P. Nelson, Director; Division of Civil and Mechanical Systems; Directorate for Engineering; NSF; Karl A. Smith; Department of Civil Engineering; U of Minnesota.

The paper begins "The New Millennium presents unprecedented challenges and opportunities for the engineering profession. Globalization of markets and advances in information technology will enable continuous design activity accomplished through international teams. In addition, entities such as the European Union will catalyze cooperation and interaction among civil engineers across national boundaries, because of the emergence of international building codes, new innovations in design and construction for a sustainable infrastructure, and worldwide needs to sustain environmental quality.

These many challenges and opportunities are accompanied by significant problems. With the reengineering of many companies, the new civil engineering graduate is typically no longer offered a long-term position in the firm, but more frequently is hired for a specific design project, and the appointment may end when the project is completed. With the availability of civil engineering technology graduates from both two- and four-year programs, there is a temptation on the part of employers to hire technology graduates in preference to graduate civil engineers to minimize personnel costs. Today's entry-level positions in civil engineering are among the lowest paid in the engineering profession."

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REINVENTING CIVIL ENGINEERING EDUCATION

(continued from previous page)

The paper continues citing engineering salaries, diverse career paths, and the need to attract more women, minorities, and people with disabilities to the profession. After establishing the current "state of civil engineering", the authors identify change agents, such as NSF funding for educational reform (e.g. Faculty Early Career Development, Engineering Coalition, Research Centers, etc.), ABET 2000 Criteria, the end of the Cold War, the Boyer Commission on Educating Undergraduates in a Research University and new theories on learning styles exemplified by concepts such as "multiple intelligences" advanced by Howard Gardner.

Effective changes will require actions by all constituencies: institutions; industry; professional societies; government; governmental-industry-university cooperatives; ABET; and other groups in the engineering community. The authors conclude noting "our society is being shaped by elements that are very different from those that existed when the Grinter report prescribed the approach that civil engineering education has been pursuing for almost a half-century... The profession of civil engineering and civil engineering education should conduct a self-examination, recommend actions and implement a plan, along with a methodology for assessing and distributing the outcomes."

Dr. Sack [sack5462@msmailhub.oulan.ou.edu] presented this paper at the Frontiers in Education Conference in San Juan this past fall and it was used as a basis for discussion at the MIT Millennium conference in March.

The following is from "Engineering a New Education," by S. G. Walesh, PE, Journal of Management in Engineering, ASCE, Mar/April 2000, pp. 35-41... "The civil engineering graduates in 2010, as I envision them, will embody the high-value, long-standing traditions of the profession. They will derive great satisfaction from doing so. They will also possess technical competence within civil engineering and allied fields and evince a pragmatic, get-the-job-done drive and highly ethical behavior. In the future, graduates of civil engineering programs should be able to do the following:

1) Demonstrate technical competence in several areas of civil engineering
2) Draw on broad exposure to the humanities and social sciences
3) Understand business and management fundamentals
4) Demonstrate command of communication
5) Appreciate the ethical framework
6) Quickly access data and information
7) Recognize the need for career-long learning
8) Understand the need to identify and address such factors as safety, aesthetics, in planning, designing, constructing, and operating systems;
9) Function either as a member or as a leader of a team
10) Draw on the practice-oriented experience that derive from an internship or cooperative education program."

(Taken from a summary by J. T. P. Yao, 30 March 2000. Readers interested in this article are encouraged to read the original paper in its entirety. Other summary notes on faculty reward systems are available on the Internet at http://ohman.tamu.edu under the heading "Summaries of Papers ...")
MATHMATICS PLACEMENT
SURVEY INFORMATION

Summary of Data Collected from ASCE
Department Heads Council
Listserv Responses
Date:20-Mar-00

Number of Responses
46 Public Institutions
21 Private Institutions
67 Total Responses

Number with Placement Tests
39 84.8% Public Institutions
19 90.5% Private Institutions
58 86.6% Total Responses

Number that require test for Calculus
29 63.0% Public Institutions
13 61.9% Private Institutions
42 62.7% Total Responses

Number with remedial math courses
37 80.4% Public Institutions
15 71.4% Private Institutions
52 77.6% Total Responses

Number where remedial math receives credit towards
CE degree
3 6.5% Public Institutions
4 19.0% Private Institutions
7 10.4% Total Responses

Number that require student to retake placement test
3 6.5% Public Institutions
2 9.5% Private Institutions
5 7.5% Total Responses

Number that noticed a difference in student math
skills w/ test
15 32.6% Public Institutions
6 28.6% Private Institutions
21 31.3% Total Responses

Collected by: Robert M. Henry
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Durham, NH 03824 603-862-1444

Professional Practice Committee
Ask... and They Will Come

A continual challenge for all of us is exposing students to "real world" design problems that are within their reach to solve in an appropriate amount of time. Many faculty feel uncomfortable (perhaps because of lack of experience) trying to generate such design problems, yet if we don't who will? One answer is: the professional community will, but only if we ask.

There are civil engineering projects going on just about everywhere, just about all the time. Not all of these are suitable for students, and, given students ability to search out stuff, especially if it reduces their workload, projects that are already ongoing are probably not the best to set students as design challenges. But by building relationships with City and County Engineers, and with local consulting firms, we can find out what projects are upcoming, and have students take a stab at tackling them. The practicing engineers may be delighted at the opportunity to work with students on such projects, and the students will benefit greatly from such interactions.

But, before we can reap all these benefits, there is one action that we faculty have to take... We have to ask those practicing engineers to work with us. It would seem that step is a difficult one for us to take. Thoughts on why that's the case (and how to overcome the problem!) would be greatly appreciated!

Wilf Nixon
Iowa State University
Computer Applications Committee Seeks to Integrate Toys

At the 1999 Annual ASEE meeting in Charlotte, NC several of us began a conversation about the use of educational engineering demonstrations that are being used in the classroom. What we found out was that there was not much information available on this topic. So it was decided that the Division would sponsor a session in St. Louis that would focus on the topic of educational engineering demonstrations for the classroom or "engineering educational toys". Due to the nature of the topic it was decided that a poster session / demonstration session would be best.

Because of the newness of the topic and the fact that the session was decided upon so late in the planning process, I was not successful in putting together a full session together for ASEE 2000 in St. Louis.

The purpose of this article is to get people thinking about the topic of "engineering educational toys". If people are thinking about the topic, at the Planning meeting in St. Louis, a stronger plan can be put forth and a successful session can be organized for the ASEE 2001 meeting in Albuquerque, New Mexico.

Here are a few examples of what some people or doing.

**Doug Schmucker** (Valparaiso) has been using I-beams made of foam to demonstrate how beams deflect and to give his students a visual image of the behavior of columns under buckling. The "I-beams" are really a form of the "Noodles" that children use in the pool. Unfortunately they are no longer available. I actually called the manufacturing company to purchase them.

**Steve Ressler** (West Point) has been using K'Nex to demonstrate a wide variety of structural behaviors. **Ray Cook** (University of New Hampshire) has been using small wooden blocks that have grooves cut into the one face. These blocks are held together by running soldering wire in the grooves and thus he is able to simulate a reinforced concrete beam.

I am sure many other faculty members that are being just as creative as the three that have been mentioned. The problem is that there is no convenient location where one can go to get an idea of what others are doing or to let others know what they are doing. If an annual session could be organized, then there would be a reason to have a web site developed that would have all this information available to the civil engineering community. It is my hope that in St. Louis enough interest can be generated to make this project worthwhile. Therefore I am asking all interested parties to come to St. Louis to help plan this session and other related activities.

If you can not make it to St. Louis, please e-mail me (robert.henry@unh.edu) your ideas. Also all those willing to e-mail me a brief description of the "engineering educational toys" that they are presently using I would be happy to place all this information on a web site for others to view. The description should include purpose of the toy, materials needed, approximate costs, construction drawings, and photos.

**Bob Henry**
University of New Hampshire

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**Education Policy Committee Diverse Agenda**

The Education Policy Committee will consider several issues at the St. Louis meeting of ASEE. These include: Distance Learning; Student Retention Strategies; Faculty Development; Assessment Info; and anything else anyone wishes to bring up.

**Walt Vodrazka**
UNLV

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**Teaching Methodology Committee Approaches Industry**

The Teaching Methodology Committee of the CE Division will consider expanding the range of perspective that is presented at the Annual Conference. This year in St. Louis, **H. G. Schwartz, Jr.** of SVERDRUP Civil Inc. will make a presentation related to industry's perspective of recent graduates. Continued inclusion of industry representatives and encouragement for students to provide presentations may be emphasized for future conferences. A panel discussion including a variety of perspectives (student, faculty, and industry) may be considered for a Teaching Methodology Session at one of the upcoming annual conferences.

**Jim Hanson**
Lawrence Tech
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ALAN L. PRASUHN
(see IMMEDIATE PAST CHAIR)

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(All Present Directors)

Stephen J. Ressler, Chair
J.P. Mohsen
Vincent P. Dmivch

THE NOMINATION COMMITTEE
Immediate Past Chair
Alan L. Prasuhn

The Chair
James M. Nau

An Active Past Chair
Gerald Seeley
(see HISTORIAN)

RISK
Engineers hate risk. They try to eliminate it whenever they can.
This is understandable, given that when an engineer makes one little mistake, the media will treat it like it's a big deal or something.

ASEE Annual Conference 2000
June 18-21, 2000 in St. Louis, Missouri
Financial Management and Project Delivery Education

The Institute for Professional Practice has just released *Ten Ways to Stay out of Financial/Business Trouble.*

Some of the most technically proficient professionals are uncomfortable in managing the business and financial aspects of projects. Experience reveals that many technical people have difficulty discussing dollars, budgets, pricing, changes, and other associated issues. Those who become comfortable addressing these issues are the most successful. They positively differentiate themselves and their firm. Better pricing, budgets and schedules are obtained. When changes do occur, more favorable adjustments result. Whenever financial issues of deposits, retainers, pricing, billing, collecting, etc. occur, the confident technical professional is better prepared to meet the needs of the project, the associated people and profit. This program provides participants the tools to achieve success.

A “beta test” of the IPP *Project Delivery Systems* Training Program was conducted in San Antonio in January. The purpose of this session was to test the applicability of a Project Delivery training program developed by CH2M-Hill to engineering students and junior engineers in private practice. Students from Texas A&M participated in this program and the results were encouraging. IPP is now working with CH2M-Hill to make this education program available to emergent engineers several times each year.

These programs join our already popular *Issues in Professional Engineering Practice* program and *Applied Ethics in Professional Practice,* which includes a 194 page guidebook for faculty who want to introduce ethics into their classes or practicing professionals who want to guide their staff in resolving ethical conflicts. A 96-page reader for the students is also available. Both of these publications coordinate with "Testing Water ...and Ethics", a 30-minute videotape that is also part of the IPP Ethics Education Program.

Copies of these materials are available from IPP.

Sam Clemence
Syracuse University

Editor’s Column

THE END IS NEAR

One of my favorite lines from the Disney® movie *Pocahontas* is “...you can't step in the same river twice.” As we closed the books on 1999 and anticipated what 2000 would bring, doomsayers bearing placards touting “The End is Near” were featured in much of the news media. Now, several months into the new year, we are assured that the only guarantees in life are death, taxes... and change.

Civil Engineering education needs to adapt and change in-step with the society it serves. The Grinter Report provided that direction in 1956. ABET 2000 began to shape new directions around 1995. When Sverdrup's Gerry Schwartz reveals the industry's perspective of recent graduates at the ASEE Meeting in June, he will initiate some educational changes.

In the Mar/April 2000 ASCB Journal of Management in Engineering, Stu Walesh presents a vision of the civil engineering graduate in 2010 AD in his paper “Engineering a New Education.” At the same time, NSF is working hard to identify change agents and is calling for a “reinvention of civil engineering education.” Your active participation in professional organizations, aggressive networking with industry, diligent awareness of teaching methodologies and embracing change will guarantee civil engineering students the best opportunity for rewarding careers.

Speaking of embracing change, I want to welcome Col. Dennis J. Fallon, PhD, PE (Professor and Head of the Civil and Environmental Engineering Dept at The Citadel; 171 Moultrie St., Charleston, SC 29409; Voice 843-953-5083; Fax 843-953-6328 and Email dennis.fallon@citadel.edu) as the new Editor of the ASEE CE Division Newsletter.

It has been my pleasure during the past three years to have had the opportunity to work with so many wonderful people devoted to civil engineering education. I hope the newsletter has been a source of information and a worthwhile reminder of your affiliation with the CE Division. I have also enjoyed the privilege of serving as a Division officer and thank you for the opportunity to continue serving the Division as the 2000-2003 Director, beginning at the close of the Annual Social & Dinner in St. Louis.

The end is near... and so are new beginnings!

Dan McGinley
Editor

THANK YOU for taking the time to read this newsletter AND for sending me your input. If you have suggestions, please call me at 973-857-6511 or send an e-mail to: Bridge2PE@aol.com
# Program Summary

Civil Engineering Division, ASEE - 2000 Meeting: St. Louis, Missouri

<table>
<thead>
<tr>
<th>SESSION TIME</th>
<th>MONDAY, JUNE 19</th>
<th>TUESDAY, JUNE 20</th>
<th>WED'SDAY, JUNE 21</th>
</tr>
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<tbody>
<tr>
<td>7:00 to 8:15 a.m.</td>
<td>Session 1115: CE Div Executive Board Meeting and Breakfast</td>
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<td>8:30 to 10:15 a.m.</td>
<td>Session 1115: (cont'd) Main Plenary</td>
<td>Session 1315: Use of Computer Tech to Enhance CE Education</td>
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<tr>
<td>10:30 to Noon</td>
<td>Session 1315: Use of Computer Tech to Enhance CE Education</td>
<td>Session 2315: CE2K: Teaching for the New Millennium</td>
<td>Session 3415: Chi Epsilon Luncheon Heavens, What a Mess</td>
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<td>12:30 to 2:00 p.m.</td>
<td>Session 1415: CE Div Business Meeting and Luncheon</td>
<td>Session 2415: CE Div Planning Meeting and Luncheon</td>
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<td>2:30 to 4:15 p.m.</td>
<td>Focus on Exhibits/Poster Session</td>
<td>Session 2515: The First Professional Degree—How?</td>
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<td>4:30 to 6:00 p.m.</td>
<td>Session 1615: Teams in Practice and Education</td>
<td>Session Multi-disciplinary Approach to Environmental Engineering</td>
<td>Session 3805: ASEE Annual Awards Banquet (reception starts at 6:30 p.m.)</td>
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<tr>
<td>Evening</td>
<td>Session 1915 (7:30-10pm) CE RAP Session Morgan Street Brewery 721 N. Second St. Laclede’s Landing</td>
<td>Session 2815 (6:30-10pm) Annual CE Social &amp; Dinner Charlie Gitto’s: 267 North 9th Street (corner of 6th and Pine Sts)</td>
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### ASEE Civil Engineering Division

April 2000 Newsletter

INSTITUTE FOR PROFESSIONAL PRACTICE
13 Lanning Road
Verona, NJ 07044

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Meet Me in St. Louis!