

# Civil Engineering Division

February 1993 Newsletter

Editor: J. Paul Hartman

## MESSAGE FROM THE CHAIRMAN

I am sure that all of you are aware that this is the Centennial Annual Meeting for ASEE. The Civil Engineering Division is planning a special program and we will be honoring past Division chairs at the CED Annual Banquet. We hope to present each one with an ASEE Centennial Certificate. Do plan to join us as we celebrate the 100th anniversary of our society.

In addition to the election of several Division officers for next year, you are being asked to vote on a change in the By-laws regarding the election of officers. The By-laws currently call for the publication of the ballots in the November issue of our newsletter. Because of the other things that have to be accomplished before the ballots can go out, this deadline has been found to push things and not be very convenient. There was a problem last year with meeting the guidelines of the By-laws, and, as you can see, again this year. The officers and directors have considered the proposed changes and put them to the membership for a vote.

After you have browsed through the Newsletter and read this brief note please do not set the Newsletter aside. **Turn to the ballot and vote.** Your vote is important. Even if you set the Newsletter aside with all good intentions of voting later you just may forget to do so. Please, invest in a little time and a 29 cent stamp, and **VOTE NOW!**

Fred Beaufait

## 1993 ASEE ANNUAL CONFERENCE June 20-23, 1993 Univ. of Illinois

Plans for the Civil Engineering Division sessions are moving along quite smoothly. On **Sunday** there will be an all day workshop to discuss the new ABET changes. There is a small charge which includes lunch. On **Monday** we will have our annual Rap Session. In the past it has given people an opportunity to bring up issues related to civil engineering education and to air their concerns. I offer the following as a list of possible topics for the rap session: (1) How can the Division reach out to more ASEE members, (2) What are the primary educational concerns of the members, (3) Should the sessions at the annual conference be continued in their present format, and (4) What other changes would the membership like to see?

Remember that **Tuesday's** planning luncheon is for the planning of the 1993 Annual Conference which will be held in Edmonton, Alberta. William Sproule from the University of Alberta will be making a short presentation on the facilities and activities that are available. If you want a say in what happens, be there. The Division dinner and social on **Tuesday evening** will be held at Jumers Restaurant which is located a few blocks from campus. CH2M Hill has generously offered to sponsor a reception prior to the social.

Bob Henry

**ASCE EdAC MEETING**  
**January 8, 1993**

I am the ASEE liaison to the EdAC (Education Activities Committee) of ASCE which met in Fort Lauderdale in early January. For your information, the chair and chair-elect of the Civil Engineering Division have standing appointments on EdAC as well as the ASCE Committee on Curriculum and Accreditation (CC&A).

One of the issues discussed at the EdAC meeting was how the ASEE CED might have more interaction with EdAC. This issue should be discussed in Illinois. Most of the topics discussed at EdAC had to do with its constituent committees, which deal with curriculum, accreditation, department heads, student services, career guidance and professional development.

Two of the more interesting issues are; (1) mandatory continuing profession development (CPD) for registration or voluntary CPD and its recognition in ASCE membership, and (2) whether surveying should be required in a CE program. Another major issue is ABET, its new guidelines, and the quality of the evaluators. A group of Deans from the Big 10+ schools recently got together with representatives from several engineering societies to discuss the ABET accreditation process. It is not clear where this discussion will lead.

Bob Henry

**CIVIL ENGINEERING DIVISION 1993 ANNUAL CONFERENCE**

Final plans for the CE Division Program for June 1993 include:

Sunday	08.30 - 15.00	Civil Engineering Accreditation Forum
Monday	07.00 - 08.30	CED Executive Board
	12.30 - 14.00	CED Luncheon and Business Meeting
	16.30 - 18.00 20.30 - 22.30	Professional Registration and its Future CED Rap Session
Tuesday	08.30 - 10.15	Teaching Civil Engineering in the 21st Century
	12.30 - 14.00	CED Planning Luncheon
	14.30 - 16.15 18.00 - 22.00	Practical Computer Use in Undergrad CE Classes/Labs CED Social and Dinner
Wednesday	08.30 - 18.15	TQM in Civil Engineering Education
	12.30 - 14.00	Chi Epsilon Luncheon

Persons with specific questions or interested in participating should contact the Program Chair, Bob Henry (see attached Executive Board listing or use Internet: [r\\_henry@unhh.unh.edu](mailto:r_henry@unhh.unh.edu)).

ASEE anticipates mailing out Centennial Annual Conference Registration materials in February 1993. Prompt follow-up to the registration materials is strongly recommended.

## HANDBOOK ON RESEARCH WANTED !!

I have been looking for quite some time for a good **reference text on engineering/applied research**. The reference should cover the subtopics in easy-to-read sections as follows:

Planning research projects

Formulation of problem statement/hypotheses

Determination of data requirements

Selection and use of research equipment

Assembly of research proposals

Estimating research costs

Research skills

Organization/management of projects

Measurement methods and data gathering

Verification, validation and analysis of data

Drawing conclusions from data/observations

Writing scientific/technical reports

I have been completely unsuccessful at finding such a handbook and would deeply appreciate any help CED Newsletter Readers could give me.

John R. Clark, PE  
920 Remington Street  
Fort Collins, CO 80524

(303) 493-6662 Evenings

### A REMINDER

The ASEE Civil Engineering Division Newsletter can serve as a good mechanism for you to reach others in the Division with news items of mutual interest. If you or your department has a report, brochure, reading lists, course syllabi, monographs, article reprints, or other printed material available (with or without charge?) which might be of interest to other ASEE people, please send me details. In addition, if you are interested in some specific topics and seek information on typical curricula, design course syllabi, broad (or survey) course outlines, specific course info/syllabi, then again, here is a good place to advertise (no charge - just a short accurate statement of needs with correct address and telephone numbers).

Paul Hartman

### SURVEYING ??

The November issue of ASCE News mentioned a report "Principal Engineers' Forum Conducts Poll on the Need for Surveying in Civil Engineering Education," with contact Jim Schaaf of Schaaf & Wheeler, Consulting Civil Engineers, 173-C N. Morrison Ave., San Jose, CA 95126. It turns out this was a "phantom report" (at that time), but after many queries, Jim Schaaf did put together an interesting summary report in December 1992. There may be some left and interested individuals can contact him at (408) 297-4848 or FAX (408) 297-4855.

### RAILROAD ENGINEERING ??

To support our growing graduate program in Transportation Systems and Engineering here at the University of Central Florida, I have agreed to work on developing a senior/first year graduate level course in Railroad Engineering. The "classic" text is **Railroad Engineering**, 2nd Edition, Wiley-Interscience, 1982. I have contacted a few colleagues to obtain any sample syllabi or course outlines that may be "out there" in academia. If any readers know of any such courses offered at their institution (or any other?), please let me know. As a lifelong ferroequinologist (both micro and macro) I look forward to working on such a course, but am always appreciative of any assistance. My address is given later in the newsletter.

Paul Hartman

## ASEE CIVIL ENGINEERING DIVISION HISTORIC BOOKLET

The booklet "ASEE Civil Engineering Division: Division Chairs 1935-1993" by Alan Prasuhn is still available. The page layout, production expenses, and publication costs were donated by CH2M Hill, under the direction of M. Dean Parsons. Copies of the 57-page booklet are available for a \$3.00 postage and handling fee (make cheque payable to Civil Engineering Department/Lawrence Tech) and may be ordered from:

Dr. Alan Prasuhn, Chairman  
Department of Civil Engineering  
Lawrence Technological University  
21000 West Ten Mile Road  
Southfield, MI 48075

Telephone: (313) 356-0200 Ex. 2556

### PROFESSOR ARNO T. LENZ (1906-1992)

Bob Lenz has contacted us concerning the passing this past August of his father, Arno T. Lenz, Professor of Civil Engineering at the University of Wisconsin - Madison. Prof. Lenz had 4 degrees from UW Madison, obtaining his Ph.D. in 1940. He was a recognized expert in hydrologic and hydraulic engineering problems and was registered in Wisconsin and Minnesota. In addition to serving 46 years on the UW-Madison faculty (including 14 years as CE Chairman), he was very active in numerous technical and business organizations. His professional memberships were many including ASEE, ASCE, AWWA, WSPE, AAAUP, Sigma Xi, Tau Beta Pi, and Chi Epsilon, among others. He had received numerous teaching awards and was very active in church and community activities. We extend our sympathies to the Lenz family.

### MISCELLANY FROM THE EDITOR

This newsletter is being mailed to 528 individuals including 13 in Canada, 2 in Australia, and one each in Brazil, Germany, India, Mexico, Netherlands, Portugal, Saudi Arabia, Sri Lanka, and the United Kingdom. Please send me any news items for the November 1993 newsletter and I thank the contributors for this issue.

Please be sure to vote and mail your ballot to our Secretary-Treasurer, Howard Dunn as soon as possible.

And finally, - individuals who have ideas to share or suggestions concerning the program and activities at the 1994 Annual Conference to be held in Edmonton, Alberta, can forward them to me or to Bob Henry (current President-elect/Program Chair) and we will forward them to the new President-Elect/Program Chair at the 1993 meeting. Please send any ideas in PROMPTLY, because most of the planning for the 1994 meeting is done at the 1993 meeting.

Thank you for your support of the Civil Engineering Division.

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## CIVIL ENGINEERING DIVISION NOMINEES

The CE Division Nominating Committee has offered the following slate of names for those offices to be filled next year. **Biographical sketches (alphabetically) follow and the formal BALLOT is on the last page of this Newsletter (REVERSE SIDE OF THIS PAGE).**

### For President-Elect/Program Chair

#### Tom Mulinazzi

Tom Mulinazzi is the Associate Dean of Engineering at the University of Kansas. He is the Campus Representative and has been selected the outstanding campus representative for the Midwest Section and for Zone III. The Midwest Section has also honored him with an Outstanding Service Award. Tom has held all the Midwest Section offices. He was the Secretary/Treasurer/Newsletter Editor for the ASEE Civil Engineering Division from 1987 to 1991.

#### Alan Prasuhn

Alan Prasuhn is Professor and Chairman of Civil Engineering at Lawrence Technological University, in Southfield, Michigan. He currently serves on the ASEE/CE Division Project Board, having just completed three years as the Chairman of the Committee on Professional Practice. During the 1991/92 academic year, he completed a biographical booklet on the CE Division Chairs as part of the Division's contributions to the ASEE Centennial. He is also currently chairman of the ASCE National Committee on History and Heritage and served a three year term as Director on the ASCE Board of Direction.

### For Director, 1993-96:

#### Thomas K. Jewell

Thomas K. Jewell is the Carl B. Jansen Professor of Civil Engineering at Union College. He was department chair from 1986-1990, and has been employed by Union since 1978. His textbook, **Computer Applications for Engineers** was published in 1991 by John Wiley. He has published one other textbook, and a number of technical papers. His ASEE activities have included chairman of the Awards Committee, member of the Civil Engineering Division Committee on Computer Practices, and campus representative. He has been a member of ASEE since 1978.

#### Bobby E. Price

Bobbie E. Price is Professor and Associate Department Head in the Department of Civil Engineering at Louisiana Tech University, Ruston, Louisiana. He has served in all offices including President or Chairman of the American Society of Civil Engineers Louisiana Section, the American Water Works Association Southwest Section, and the Louisiana Engineering Society. In the National Society of Professional Engineers he is Vice Chairman of the Professional Engineers in Education (PEE) Southwestern Section, and is PEE Louisiana Governor. He served as Secretary for the ASEE Louisiana Section. He also served as Faculty Member in Residence for the 1989 Washington Internships for Students in Engineering (WISE) program.

## PROPOSED BY-LAW CHANGES

The CED Executive Board proposes the following changes to the Division By-laws:

- 5.2.6 {written notification of nominees for new offices} . . . shall occur no later than the **15th of April** (replaces "the first full week of March")
- 5.3.2 . . . . The ballots shall be distributed through a **February** {replaces November} issue of the Division Newsletter. The eligible voting Division membership will be given until no later than **April 1st** {replaces January 15} or thirty days after mailing of the ballots (or whichever is later) to cast their votes. Ballots postmarked after this date will not be counted.

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Please tear at line and mail to Howard Dunn

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### ASEE Civil Engineering Division Ballot February 1993

Please clearly mark your choice with an "X":

**For President-Elect/Program Chair:**

\_\_\_\_\_ Tom Mulinazzi

\_\_\_\_\_ Alan Prasuhn

\_\_\_\_\_ Write-in: \_\_\_\_\_

**For Director, 1993-1996:**

\_\_\_\_\_ Thomas K. Jewell

\_\_\_\_\_ Bobby E. Price

\_\_\_\_\_ Write-in: \_\_\_\_\_

**For By-Law Change to Section 5.2.6**

\_\_\_\_\_ FOR

\_\_\_\_\_ AGAINST

**For By-Law Change to Section 5.3.2**

\_\_\_\_\_ FOR

\_\_\_\_\_ AGAINST

**PLEASE MAIL YOUR BALLOT TO:**

Howard C. Dunn, Jr.  
U.S. Coast Guard Academy (de)  
15 Mohegan Ave.  
New London, CT 06320-4195