



Division newsletter

American Society for Engineering Education

DIVISION: Civil Engineering

EDITOR: Ron W. Eck

DATE: April 1986

Department of Civil Engineering

West Virginia University

CHAIRMAN'S REMARKS

WHAT IS THE FUTURE OF OUR CIVIL
ENGINEERING PROFESSION?
HAVE WE MET THE ENEMY? US?

We have a big burden on our shoulders as civil engineering educators. I wonder if we know how heavy this load is.

Many times each year we make judgements that end up in letter grades that we assign to students. All of our evaluation processes are different. Our exams are different, our evaluations of exams are different, and our letter grading philosophies are different. They always will be. But, when we make these decisions from now on I hope we'll be thinking about the future of the civil engineering profession--it rests on our shoulders. It all starts with us. Let me explain.

First of all I'm going to back up a bit and look at the students that could come to us. Students usually decide on a career in the civil engineering profession before most Civil Engineering Division members interact with them. This is something we'll have to change. We ought to plan more programs that will allow us opportunities to interact with young minds before they have made career decisions. Participating in science fairs, career day events, Scouts, YMCA, YWCA, church, etc. will always help. There may be other ways. Could we teach occasionally in elementary or high school?

How about summer camps on SCOUT OUT CIVIL ENGINEERING, etc. One thing is for sure--we are not getting enough top quality students deciding to study civil engineering. The "glamor fields" are attracting the best. Computer science/systems engineering and technology are the fastest growing occupations according to the latest Federal Bureau of Labor Statistics data.

Because we have not spread the word that civil engineering is exciting today, maybe it is our fault that:

- 1) fewer students are attracted to civil engineering,
- 2) we see fewer top quality students,
- 3) salaries are the lowest ever relative to the other engineering professions,
- 4) the Ph.D. "pipeline" for future engineering educators is not full, and
- 5) high school guidance counselors aren't up to speed with our profession.

Civil Engineering today is different than it was 5, 10, and 20 years ago. We are not surveyors anymore. We are concerned about the effects of zero gravity on materials, structures and waste disposal in space; we are concerned about rebuilding our infrastructure system, optimizing the design of a launch pad or an offshore drilling platform, and seeking effective systems for hazardous waste disposal.

The College Placement Council just released the results of a survey of 183

placement offices at 161 universities covering the period from September 1, 1985 through December 6, 1985. The data include offers extended to students graduating between September 1985 and this coming August. The results in engineering were:

	Average Salary Offer	% Change from 7/85
Chemical	\$29,172	2.6
Mechanical	27,648	2.0
Electrical	27,204	0.7
Industrial	26,784	1.9
Engr. Tech.	25,836	0.8
Civil	24,168	2.3

Civil is not only at the bottom, but the technologists have passed us. Are we just considered technicians? The we is us. Our graduates and us. No wonder our salaries are low. We've met the enemy!

It was embarrassing for me to write this. It was embarrassing for me to ask our departmental secretary to type what I had written--I didn't want her to see my heart bleed. But somebody has to do something about this problem in our profession--we can't keep talking about it. ASCE's ad campaign will help. But we have to individually spread the word that "Civil Engineers Make the Difference." We have in the past, we are trying now, but we have to do more to ensure our future.

Now, back to grading. This is one place we can help with positive results. Each student that does make it to the CE classroom is a potential graduate. An extension of you. An improved product. When you make up an exam, when you grade that exam, when you assign that student a letter grade at the end of the term you are putting your stamp of approval on that student. You are saying he or she will be an asset to advancing the prestige of our profession.

What would happen if you flunked 50 percent of the students who came to you in a statics course or in a fluid mechanics course? What would happen if we graduate 33 percent less of the entering students than we do now? (Maybe the 2.5 gpa and below student belongs in the technician or technology component of our profession. Since "Civil Engineering Technician" ranks 9th on the list of the top 20 out of 400 occupations the FBLS analyzed and since "Surveyor Helper" ranks 14th, maybe we can help out the employers of these people.) Administrators may complain--tell them class sizes are back to where they belong, i.e. small. Tell them why we need to be tough graders. Economists tell us that when the supply decreases that the price will increase. The demand for our product has been fairly steady over the long haul. Psychologists tell us that when we can't have what we want, we want it even more. Well I think we ought to listen to what our hearts are telling us about our future, think about what economists and psychologists tell us, and do what our minds tell us is right. Quantity is out. Quality is in.

Each of us chose to become a civil engineer when we entered college. We were proud of the profession that we wanted to be a part of. Most of us after some professional practice and additional education chose to practice in the civil engineering education component of our profession. Our product is students. Students that we can be proud of, students that will advance our profession and hold its prestige at the highest possible level. Please remember this the next time you assign a letter grade. You are the beginning of our profession's future. Good luck.

Colby V. Ardis, P.E., Ph.D.
The University of Toledo

EDITOR'S NOTE: Comments and discussion on the Chairman's Remarks are encouraged. Please send them to R.W. Eck at the address shown on the last page of this newsletter.

**ASEE ANNUAL CONFERENCE — CINCINNATI
CIVIL ENGINEERING DIVISION PROGRAM**

Monday, June 23, 1986

- | | |
|--------------|--|
| 8:30 - 10:15 | Industry Involvement in Civil Engineering Programs |
| 12:15 - 1:45 | Civil Engineering Executive Board Meeting
(closed business meeting) |
| 4:00 - 5:45 | Diverse Curricula in Construction Engineering (Sponsored
by Construction Engineering Committee, with co-sponsor-
ship by Civil Engineering Division) |
| 8:00 - 10:00 | Civil Engineering Rap Session - Bring Ideas!!
(refreshments) |

Tuesday, June 24, 1986

- | | |
|--------------|--|
| 8:30 - 10:15 | Teaching Civil Engineering Design - State of the Art |
| 2:00 - 3:45 | Computer Literacy Expectations of Civil Engineering
Graduates |
| 4:00 - 5:30 | Civil Engineering Planning Session |
| 6:15 - 10:00 | Civil Engineering Social and Dinner
(speaker: Dr. Gene Kritsky - "The Great Dinosaur
Extinction: Why Should We Care?") |

Wednesday, June 25, 1986

- | | |
|--------------|--|
| 8:30 - 10:15 | Transportation Engineering Poster
Session and Computer Software Exchange |
| 12:15 - 1:45 | Chi Epsilon Luncheon (speaker: Dr. Russ Jones -
"Teaching Machines for the 1990's") |
| 2:00 - 3:45 | Perspectives on Professional Practice |

SEE YOU IN CINCINNATI

Your Civil Engineering Division has planned an exciting program for the Annual Conference in Cincinnati this coming June. The theme of this year's meeting is "Partnership with Industry and Community." There will be a lot to learn and many opportunities to contribute to discussions, meetings, and planning sessions. **MAKE PLANS TO BE THERE!**

NEW MEMBERS

Have you invited a colleague yet to join our Civil Engineering Division? Now is the time. Bring him or her to the ASEE annual meeting in Cincinnati. We will recognize the member who brings the most new members to the banquet. A nice plaque will be presented.

ROAST WADLIN

We plan to roast George Wadlin, ASCE Director of Education, at our annual banquet in June. George is retiring this year after many years of service to civil engineering education. Don't miss the fun!! Bring your stories to Cincinnati. George will be returning to the coast of Maine for his "golden years." He says "Have Suitcase, Will Travel" if you need a guest lecturer, consultant, etc.

MECHANICS DIVISION

The Mechanics Division would like to explore co-sponsoring a session with us at the 1987 conference in Reno. Chairman Ardis invited their Chairman, Glenn Kraige, Virginia Tech, and their program chairman to join us at our rap session to explore opportunities.

CALL FOR PAPERS

The Civil Engineering Division invites engineering educators to submit abstracts

for possible presentation at the June 21-25, 1987 ASEE Annual Conference in Reno, Nevada. The Conference theme is "Engineering Focuses on Excellence." Initial review of these abstracts will take place this June at the ASEE Annual Conference in Cincinnati. We expect this review to influence our CE Division "Planning Session" which will begin at 4:00 pm Tuesday June 24, 1986. Therefore, authors should submit their abstracts to the Editor, Ron Eck, by June 15. If you have an idea that you want discussed but cannot be in Cincinnati, please send the Editor your thoughts or make them known to Program Chair Jerry Seeley (219-464-5121).

LETTER FROM THE EDITOR

This is the second newsletter I have published since becoming Secretary of the Division. I had planned to use my initial issue to survey the membership for recommendations on items to include in the Newsletter and on making it a more meaningful publication. However, due to the fine response to requests for input from the Executive Board and from annual conference session moderators, there was no space in the fall issue to include a survey. You probably noticed that the last issue did not contain a guest editorial, but did include several items on computers. The survey on the next to the last page of this Newsletter seeks your input on how to make this publication better. For example, should the Newsletter be the forum for presenting the much talked about CE Division Software Exchange? Should the "Guest Editorials" continue to be a regular feature? What can be done to encourage use of the Newsletter as a forum for dialogue on current issues affecting civil engineering education? I'd like your views on these and other issues. Please take a few minutes to complete the questionnaire on the back of the election ballot. Return the ballot and questionnaire to me at the address indicated. Your input would be appreciated. Thanks.

Ron W. Eck
Newsletter Editor

THE CANDIDATES

The report of the Nominating Committee was published in the fall issue of the CE Division Newsletter. Since that time, Tom Jewell has withdrawn his name as a candidate for Vice Chairman. The Nominating Committee re-convened via telephone and unanimously selected Mardith B. Thomas of Iowa State University as a candidate for Vice Chair.

The ballot for voting is found on the last page of this issue. You are urged to cast your vote and return your ballot today. It is important that you vote since there are two candidates for Vice Chairman (1987 Annual Meeting Program Coordinator) and Director. Short biographical sketches of each of the candidates follow.

Gerald R. Seeley -- Dr. Seeley joined the faculty of Valparaiso University in September of 1983 as Professor of Civil Engineering. Prior to that date he held the following positions at Tri-State University: Dean of Engineering (1978 - 1983); Chairman of Civil Engineering (1976 - 1978); Assistant Professor of Civil Engineering (1973 - 1976). He has worked in industry with Honeywell, Inc., Government and Aerospace Division (1966 - 1972) and Union Carbide Corp., Stellite Division (1963 - 1964). He consults for Northern Laboratories and Engineering, Inc. His education background includes a Ph.D. and M.S. in Civil Engineering from the University of Minnesota and a M.S. in Engr. Mechs. and B.S. in Mechanical Engineering from the University of Wisc.-Madison.

He is a member of ASCE, ACI, PCI, AISC, Ind. Academy of Sciences, Association Villard de Honnecout, and ASEE. Currently, he is the Vice-Chairman & Program Chairman of the Civil Engineering Division of ASEE. Dr. Seeley has authored or coauthored papers in the areas of structures, geotechnical engineering, education, and humanities - technology. He is a member of the honorary societies: Chi Epsilon, Sigma Xi, and Tau Beta Pi (faculty advisor at Valparaiso). He is an Associate Editor of Civil Engineering Education published by the CE Division of ASEE.

Mardith B. Thomas -- Associate Professor of Civil Engineering at Iowa State University. She received a Bachelor of Architectural Engineering and a M.S. in Nuclear Engineering from Iowa State, a M.S. in Engineering Mechanics and a Ph.D. in Structural Engineering from the University of Wisconsin. She is a registered engineer and worked for several years for a consulting engineer in Ohio.

Dr. Thomas' current research interests include dynamic analysis of transmission line structures and computer applications for Civil Engineering education. She is the chairman of the Civil Engineering Department Computer Planning Committee and is in charge of the Civil Engineering Department's participation in a test of microcomputers for undergraduate education. She moderated the CE Division's "Computer Software Exchange and Poster Session" at last year's Annual Conference. She currently serves as a Director of the Division.

Noel Tolbert -- Noel Tolbert is Professor of Civil Engineering at Tennessee Technological University. Prior to Tennessee Tech, Noel taught at Arkansas State University and the University of Arkansas at Little Rock. His industry experience includes employment with Dow Chemical in Freeport and Houston, Texas and the former Nuclear Division of Union Carbide in Paducah, Kentucky. He is a registered Professional Engineer in Tennessee and previously in Arkansas and Kentucky.

Noel has been a Faculty Research Fellow for NASA, Marshall Space Flight Center, in Huntsville Alabama. His primary areas of publication and research have been in structural composites and microcomputer applications. He is a member of the following organizations: Tau Beta Pi; Chi Epsilon; Rotary (Director of International Service and current Director of Projects);

ASCE Past Director of Arkansas Section, officer of Little Rock Arkansas Branch, advisor to student chapter); ASEE (Current chairman of CE Division Committee on Teaching Methodology, session program chairman and moderator in CE Division past and current year).

Anis Farah -- Anis Farah is Professor of Engineering at Laurentian University, Sudbury, Ontario, Canada which he joined in 1968. He graduated with a B.Sc. (first class honors) degree from Queen's University of Belfast, N. Ireland, U.K.; M.A.Sc. degree from the University of Toronto, and a Ph.D. degree from the University of Waterloo. All three degrees are in civil engineering with specialization in structures. Dr. Farah's research spans several areas which include structural vibrations, serviceability under dynamic loading, the analysis and design of columns and shear walls, and numerical methods. He is a registered professional engineer and is a member of ASEE, ASCE, ACI, CSCE, EIC, and Sigma Xi. Additionally, he is a member of two technical committees, safety and deflection, of ACI and chairman of one subcommittee. From 1979-1982 he acted as a consultant to the Royal Commission On The Northern Environment set up by the Ontario Government. Dr. Farah is currently chairman of the Committee on Computer Applications of the C.E. Division of ASEE, and is chairman of the Computer Advisory Committee at Laurentian University.

Edward S. Reitz -- Age 50, Bachelor's Degree in Civil Engineering, 1957, Master's Degree, 1959, Ph.D., 1971. On Faculty of Civil Engineering Department, City College of C.U.N.Y., 1957-1959 & 1965 to date. Member of ASEE since 1965. Served on ASCE Met Section Education Committee, served as Campus Representative for ASEE at City College, 1973 to date. Past Chairman, Committee No. 2, ASEE Civil Engineering Division, Past Member, Campus Liaison Board, ASEE and current Middle-Atlantic Section Chairman, ASEE. Also served as Senior Structures Engineer, Republic Aviation Corp., 1959-1965. P.E. (New York) since 1965 and active in P.E. Review courses for both parts of the examination.

TEACHING CORNER

WHAT IS TEACHING?

What does being an outstanding teacher really mean? How do we decide who the best teachers are? These have always been interesting questions. They always will be.

Merit in civil engineering education is measured by excellence in teaching, research, and service. Many will say, "Yeah sure, but the bottom line is still the old cliché, 'publish or perish.'" Others will say, "What do research and publishing have to do with being a good teacher?" However, we are really teaching in most everything we do. We teach in large classrooms, small classes, the laboratory, one-on-one with undergraduate students after class or in our offices, one-on-one with graduate students guiding their research, explaining our research to students in class, to others at conferences and in refereed journals. We teach in service to our departments, college, university, community, and professional societies when we share our ideas or chair committees.

Socrates was the chief character in the dialogs of Plato. Why? Socrates was his teacher. He learned from him. The dialogs of Plato were the publications of his research, an analysis of his conversations with Socrates. Without them we may not have known Socrates! The one-on-one teacher-pupil continued or teacher with a very small group (class) continued. Aristotle was a pupil of Plato. When do you feel you do your most effective teaching? With 20, 200, or with 1 or 2?

Dean Edgar Starke said it well in the University of Virginia's 1985 Annual Report on Engineering Research: "...to achieve and sustain excellence in engineering education, one fact is clear: Distinguished teaching can only be accomplished by a research faculty of the highest order. In the scientific disciplines, research and teaching are not competitors, but essential and complementary components of inquiry."

FOR YOUR INFORMATION

The ERM (Educational Research and Methods) Division of ASEE seeks to promote good teaching and effective use of new educational methods in the classroom. At present, they have funds to support a variety of activities aimed at this goal. Below are brief descriptions of some of these activities. Please contact the indicated faculty member for additional information.

Teaching is a continuous growing process. We enjoy sharing what we know with others. That's why we choose to practice in civil engineering education. In order to be most effective, we must grow so that we have more to share. Growing involves research. I couldn't agree more with Dean Starke: "research and teaching are not competitors, but essential and complementary components of inquiry."

Colby V. Ardis
The University of Toledo

TEACHING TIPS

Thanks to Ed Foster, Professor and Director, School of Engineering, The University of Tennessee at Chattanooga, for providing this teaching tip.

After the lecture I ask if there are any questions and usually get no response. I then ask "Are there any stupid questions?" It seems that once a student acknowledges that his/her question is stupid then the fear of asking it is gone. The real fear is in someone else labeling their question as "stupid". After I define it as such, I get a few chuckles and a lot of questions!

It is impossible for a man who takes a survey of what is already known, not to see what an immensity in every branch of science yet remains to be discovered.

Thomas Jefferson,
June 18, 1799

MINIGRANT - Proposals are invited for grants of up to \$1,500 for research in new and innovative teaching methods or activities. A short proposal identifying, (1) objectives, (2) program description, (3) measurement of results, (4) budget, and (5) investigator qualifications should be submitted to Russ Dean, College of Engineering, West Virginia University, Morgantown, WV 26506, 304-293-3111.

REGIONAL EFFECTIVE TEACHING INSTITUTE (RETI) - \$500 up-front support will be provided for sponsoring a RETI in your region. It can be in conjunction with a regional meeting or as a separate event. Lists of presentors and information on running a RETI can be obtained from Patricia Whiting, c/o College of Engineering, West Virginia University, Morgantown, WV 26506, 304-293-4111.

APPRENTICE FACULTY GRANT - Designed to attract young faculty to participate in ASEE, the grant provides free registration at the annual ASEE conference, or the Frontiers in Education (FIE) along with a plaque. Nomination forms and additional information are available from Dick Culver, The Watson School, SUNY-Binghamton, Binghamton, NY 13901, 607-777-2872.

BYLAWS OF THE CIVIL ENGINEERING DIVISION
OF THE
AMERICAN SOCIETY FOR ENGINEERING EDUCATION

ARTICLE I

Organization, Meetings, and Amendments

Section 1. Name

The name of the Division shall be the Civil Engineering Division of the American Society for Engineering Education.

Section 2. Membership

Membership shall consist of all individual members of the Society who designate Civil Engineering as a divisional interest on the records of the Society.

Section 3. Officers and Organization

The Officers of the Division shall be a Chairman and a Vice-Chairman, elected for one-year terms; a Secretary-Treasurer, elected for a three-year term; and three directors elected to three-year terms of which one shall terminate each year.

The Division shall be administered by an Executive Board composed of the officers, the immediate Past Chairman of the Division and the Chairmen of the Standing Committees of the Division.

Section 4. Election of Officers

At the annual meeting of the Division, the newly-elected Chairman shall appoint a Nominating Committee, consisting of the immediate Past Chairman of the Division as Chairman and two members of the Division, which shall nominate at least one member of the Division for each office to be filled. This Committee shall report to the Chairman by September 30. Additional nominations may be made by five members of the Division, and directed to the Chairman within thirty days after publication of the Nominating Committee Report. All nominees must agree to serve before their names may be published.

Any unopposed candidate for office shall be considered to be unanimously elected. If more than one candidate is nominated for any office, the Secretary-Treasurer shall send ballots to all members of the Division and canvass them thirty days after the mailing date.

If a vacancy should occur in the office of Chairman of the Division, the Vice-Chairman will become Chairman. All other vacancies shall be filled by Executive Board appointment.

Section 5. Committees of the Division

The Standing Committees of the Division shall be as follows:

- Committee on Educational Policy
- Committee on Professional Practice
- Committee on Teaching Methodology
- Committee on Computer Applications

Each Standing Committee may be composed of six members appointed to three-year terms which expire at a uniform annual rate. Their terms shall begin on July 1. Nominations may be submitted to the Chairman of the Division by the members of the Committee involved and by interested members of the Division.

Special committees may be appointed by the Chairman. Only divisional committees may have a "corresponding member" duly named by the appropriate similar committee of ASCE.

Section 6. Duties of Officers and Executive Board

The Division shall be represented on Professional Interest Council I by the Division Chairman and Vice-Chairman as required by the Council Bylaws.

The new officers of the Executive Board shall assume responsibility at the Annual Conference following their election or appointment, shall initiate planning for the subsequent Annual Conference, and shall serve until their final annual program responsibilities are discharged.

The Chairman shall:

Have administrative responsibilities for the conduct of all functions of the Division in accordance with these Bylaws and the policies and procedures established by the Executive Board.

Schedule, organize, and conduct the annual business meeting of the Division and all meetings of the Executive Board.

Appoint Committees in accordance with the Bylaws not later than September 30.

Compile an annual report of the activities of the Division as requested by Professional Interest Council I.

The Chairman shall serve as "corresponding member" of the Education Division Executive Committee (EDEX) of ASCE. He shall have the right to name any other member of the Division to represent him in this function or to represent the Vice-Chairman in matters relating to the Committee on Curricula and Accreditation. The designated "corresponding member" will represent the Division at the regularly scheduled EDEX or CC&A meetings.

The Vice-Chairman shall:

Act for the Chairman at the annual business meeting of the Division and at meetings of the Executive Board in the event of the Chairman's absence.

Assist the Chairman as requested in the conduct of his assigned duties.

Serve as Division Program Chairman and in this capacity be responsible for planning and organization of all sessions to be sponsored or co-sponsored by the Division at the Annual Conference of the Society.

The Vice-Chairman shall serve as "corresponding member" of the Committee on Curricula and Accreditation (CC&A) of ASCE.

The Secretary-Treasurer shall:

Be responsible for official records and correspondence of the Division and the Executive Board.

Act as the Division finance officer.

Be responsible for conducting and canvassing ballots for officers as provided in Section 4.

Notify the incumbent chairman and all elected officers of their election immediately after their election or in no event less than 30 days prior to the Annual Conference of the Society.

Record and distribute to appropriate officers minutes of the annual business meeting and meetings of the Executive Board.

Submit copies of papers presented at the Annual Conference sessions to the Executive Board for recommendations on publication, and transmit these recommendations to the appropriate editor.

Report to the Executive Director of the Society and the Chairman of Professional Interest Council I and other appropriate offices the status of Division finances and the Proceedings of the Annual Conference sessions sponsored or co-sponsored by the Division.

Be responsible for the editing, production and circulation of the Division Newsletter.

Be the liaison between the Executive Board and the Editor of the publication **CIVIL ENGINEERING.**

Be responsible for other Division Education publications as the Executive Board may direct.

The Editor shall:

Be responsible for the editing, production and circulation of the journal CIVIL ENGINEERING EDUCATION. Appoint the four associate editors.

The editor will be appointed for a three-year term by the Executive Board.

The Executive Board shall:

Assist the Chairman in administering the affairs of the Division as provided in Section 3 and assist that Division Program Chairman in planning and organizing the program for the Annual Conference of the Society.

Section 7. Standing Committees

Standing Committees shall normally conduct the Annual Conference sessions under the coordination of the Program Chairman and Executive Board, and shall act on matters of national interest within their purview and report to the Division at its annual business meeting. The Chairman of each committee shall be appointed by the incoming Division Chairman after consultation with the committee.

Committee on Educational Policy

The Committee on Educational Policy shall be concerned with undergraduate and graduate curricula development and accreditation; continuing education; recruitment and retention of students; faculty recruitment and development; and all other matters relating to educational policy within the general scope of civil engineering.

Committee on Professional Practice

The Committee on Professional Practice shall establish liaison with professional/technical societies and practicing engineers as a means of identifying the entry and post graduate educational needs of students; developing programs to improve the interaction of educators and practitioners; and improving cooperation between the Division and other professional/technical societies.

Committee on Teaching Methodology

The Committee on Teaching Methodology shall promote innovation in the development of improved teaching methods and organize programs and discussions on teaching methods. They shall give particular attention to teaching design and experimental concepts.

Committee on Computer Applications

The Committee on Computer Applications has as a focus the promotion and dissemination of computer utilization and its integration in civil engineering education. Additionally, the committee will function as a vehicle for facilitating the demonstration and sharing of computer instructional software.

Section 8. Meetings

An annual meeting of the Division and a meeting of the new Executive Board shall be held at the Annual Conference of the Society.

Section 9. Amendments

These Bylaws may be amended by a majority vote of the active members present at the annual business meeting of the Division.

Revised June 1, 1976
Amended June 26, 1979
Amended June 18, 1985

CE DIVISION NEWSLETTER
READERSHIP SURVEY

1(a) Do you usually read the Newsletter from cover-to-cover? yes no

(b) If No, which sections do you typically read? _____

2(a) Did you read the "Guest Editorials" that used to be a regular feature of this Newsletter? Yes No

(b) Would you like to see the "Guest Editorials" continued in future issues?
 Yes No

3(a) Do you read the summaries of annual meeting sessions that appear in the fall issue of the Newsletter? Yes No

(b) Are these summaries useful to you? Yes No

(c) Any suggestions for making the summaries more useful or meaningful? _____

4. There was discussion in the last Newsletter about a software exchange for civil engineering educators. What do you think is the appropriate forum for publishing the software exchange?

CE Division Newsletter

Civil Engineering Education journal

Other publication (specify) _____

5(a) Have you ever been to an ASEE Annual Conference? Yes No

(b) How many Annual Conferences have you attended in the last three (3) years? _____

6. What improvements can you suggest to make the Newsletter a more meaningful way of communicating with Civil Engineering Division members? _____

PLEASE RETURN QUESTIONNAIRE WITH BALLOT

ASCE BALLOT - CE DIVISION
Officers for 1986-87

Place an X in the appropriate ()

CHAIRMAN: Gerald R. Seeley ()

VOTE FOR ONE

VICE CHAIRMAN: Mardith B. Thomas ()
Noel Tolbert ()

VOTE FOR ONE

DIRECTOR 1986-89: Anis Farah ()
Edward S. Reitz ()

RETURN BALLOT BY JUNE 1, 1986, to:

Ron W. Eck
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West Virginia University
P.O. Box 6101
Morgantown, WV 26506-6101



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