

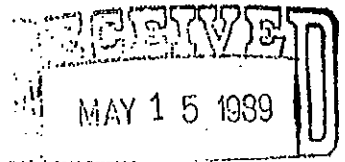
88-89

Division newsletter



American Society for Engineering Education

DIVISION: Civil Engineering



EDITOR: Thomas Mulinazzi
The University of Kansas

DATE: April 1989

OFFICE OF THE DEAN
SCHOOL OF ENGINEERING

CHAIRMAN'S REMARKS

A recent ASCE publication, "Civil Engineering in the 21st Century," provides an excellent overview of the issues confronting civil engineering as we approach the turn of the century. Among the strategies for education listed in the report was the recommendation that a major program be convened to define new curricula for civil engineering. It was further stated that such a program should include experimental curricula that would provide more diversity. Changes were called for to increase quality and efficiency. Additional efforts were recommended to better achieve a proper balance between technical and liberal education. Also, an aggressive pursuit of new technologies was considered critical.

In examining these recommendations, it becomes readily apparent that a major constraint is the pressure to cover more material than can be covered in the standard four year curriculum. In this regard, the report did suggest that the four year degree may not be the appropriate entry-level degree for professional practice. However, we cannot routinely "fix" our curriculum by adding courses. Faculties must remove outdated material in favor of more recent developments and techniques. In any case, the challenge is before us. Can we pass the test?

While the Civil Engineering Division of ASCE has historically explored these issues through session conferences and publications, it is also obligated to more aggressively pursue policy positions on these topics and to provide assistance in their implementation. It is in the spirit of searching for ways to improve civil engineering education that I would encourage your attendance and participation in the civil engineering division at this year's annual summer conference in Lincoln, Nebraska. Bill Highter, the division program chairman, has scheduled a variety of activities that includes a workshop on civil engineering accreditation sponsored by the Committee on Curriculum and Accreditation (CC&A) of ASCE, an integrated learning workshop oriented toward teaching that I have attended and can enthusiastically recommend, and a series of sessions exploring issues of interest to our profession. See you in Lincoln.

Noel Tolbert, Ph.D., P.E.
Tennessee Technological University

Lincoln - Here We Come!

Plans for the 1989 ASEE Annual Conference have been finalized. The preliminary program is an insert in the January-February 1989 issue of Engineering Education. A final, detailed program will be available soon.

We have a very good program planned for the Civil Engineering Division starting with two workshops on Sunday. The Integrated Learning System Workshop with Drs. Kenneth J. Williamson and Pamela K. Hurt has been given to several regional ASCE Department Heads' Meetings and at several universities as well. For the first time, the Division is sponsoring a Civil Engineering Accreditation Workshop that we expect to be an annual affair. This is brought to us courtesy of the Committee on Curriculum and Accreditation of ASCE. Dean Bill Wilhelm of Wichita State University will present the workshop. This will be beneficial for those of us having programs that will be accredited during the coming year, and those educators and practitioners who wish to become Civil Engineering Program Evaluators must attend the workshop before they can assume those responsibilities as an evaluator.

The Civil Engineering Division Business Luncheon will take place on Monday with Division Chairman Noel Tolbert in charge. Later on Monday afternoon, Marvin Criswell will moderate a session titled "Civil Engineering Through the Turn of the Century." The Civil Engineering Rap Session (with solid and liquid refreshments) will take place on Monday night from 8:00 until 10:00.

Roger Seals is moderator of the session "Integration of Design and Construction in Civil Engineering Programs." We envision this as a combination symposium/forum and expect a lot of input from those attending the session. The Annual Civil Engineering Planning Luncheon will take place on Tuesday with Bill Highter soliciting ideas for the 1990 Toronto program. Prahlad Pant will moderate our annual session on "Experience with Commercial and Educational Software in Civil Engineering Education." Prahlad had overwhelming response to the call for papers for this session and this should be of interest to everyone attending. The Annual Civil Engineering Social and Dinner will take place on Tuesday night at Misty's Steak House. Bill Kelly, C. E. Department Head at Nebraska, his wife, Carolyn, and Bill Highter had dinner at Misty's in October and recommend it highly.

Carl Ho will moderate a session on the "Performance of BSCE Graduates on the Fundamentals of Engineering Exam" on Wednesday morning. This is a subject that concerns all of us and should prove to be very interesting. Dexter Jamison will be the host for the Annual Chi Epsilon Luncheon on Wednesday. Our speaker will be Alfred C. Ingersoll, Special Assistant to the President at Northrup University, who will be talking about technological literacy for the engineer. Our last session has proved to be one of the most popular at our Annual Meetings. Bob Henry is in charge of arrangements for our "Computer Applications in Civil Engineering Poster Session and Software Exchange." Here's an excellent chance to get some software for the price of a disk.

The Candidates

It is time to vote for the CE Division's 1989-1990 officers. The ballot for voting is found in the last page of this newsletter. You are strongly urged to cast your vote and return your ballot as soon as possible, but no later than May 15, 1989. It is important that you vote since there are two candidates for Vice Chair and Director. Short biographical sketches of each of the candidates follow.

Chair Candidate

William H. Highter -- Dr. Highter joined the faculty of the University of Massachusetts in September 1985 as Professor and Head of the Department of Civil Engineering. Prior to that date, he was Professor of Civil Engineering at the University of Tennessee at Knoxville (1981-1985) and Assistant and Associate Professor of Civil and Environmental Engineering at Clarkson University (1972-1981). Dr. Highter received Bachelor of Science Degrees in Geology and Civil Engineering from Notre Dame, and the M.S. and Ph. D. from Purdue. He is a Registered Professional Engineer.

Dr. Highter's research interests are in the areas of geotechnical engineering and pavement design and evaluation. He has been active in ASCE technical and professional activities. He is the CE Division's Vice Chair this year, and Program Chairman for the Lincoln meeting.

Vice Chair Candidates

M. Dean Parsons is recruiting/staffing manager for CH2M Hill in Corvallis, Oregon. He has been extremely active in professional societies, especially the National Society of Professional Engineers, of which he is a National Director. His activities within ASEE include being a Director of the Civil Engineering Division and an Associate Editor for "Civil Engineering Education." Dean belongs to ten technical societies and is a registered professional engineer in five states.

Edward S. Reitz is an Associate Professor of Civil Engineering at City College in New York. He has been a member of ASCE since 1955; a member of ASEE since 1965; ASEE Campus Representative since 1973; Chairman of Committee No. 2, C. E. Division; Middle-Atlantic Section Chairman 1985-1986; Meetings Committee Chairman, 1986-1988, and a member of C. E. Division Board, 1987 to date. Dr. Reitz has presented papers at ASEE Annual Conferences and at the ASCE Education Conference held at the University of Wisconsin, Madison. He is a registered professional engineer and active in P. E. review courses, ASCE student chapter activities, Tau Beta Pi, and student retention efforts on his campus.

Candidates for Director

David Morris, Dr. Engr. Sci., P. E., obtained his degrees in civil engineering from Clemson University, North Carolina State University, and Rensselaer Polytechnic Institute. Prior to joining the Civil Engineering department's faculty at the University of Virginia in 1966, Dr. Morris was a consulting structural engineer in Florida, New York, and Washington D. C. He was the Director of Research for the Center of Research and Innovation in Buildings at UVA and has taught courses in structural design, operations research, systems engineering, and construction management. His current teaching interests include computer software application and development.

He serves as the Associate Dean of Engineering for Undergraduate Programs at UVA and is responsible for the undergraduate advising, administration, curriculum development, core program management and student service activities of the school. Dr. Morris is an active member of several engineering education review boards, committees and research groups, including ASEE and ASCE.

Surinder K. Bhagat is a Professor and Chairman of the Department of Civil and Environmental Engineering at Washington State University. This is his ninth year as Chairman of the Department. He received his Ph. D. in 1966 from the University of Texas at Austin and he has worked in the academic field for the past 25 years. He has also served as Academic Program Director (1983-84) for the off-campus program in Engineering Management at Washington State and as Chairman of the interdisciplinary program in Geological Engineering for three years. He has been very active in ASEE. At the national level, he was Division Chairman (1981-82) of the Environmental Engineering Division and Chairman (1986-87) of the Education Policy Committee of the Civil Engineering Division. At the regional ASEE level he was Program Chair for the 1985 Annual Conference of the Northwest Section. He is active in several other professional societies and the recipient of the 1980 Arthur Sidney Bedell Award given by the Water Pollution Control Federation in recognition of his extraordinary personal service in the Water Pollution Control Field.

Ballots are on page 8.

**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 Committee

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.

⁹ Section 6. 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.

¹⁰ Section 8. 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

Amended June 24, 1986

ASEE BALLOT - CE DIVISION

Officers for 1989-1990

(Biographical sketches begin on page 3.)

Place an X in the appropriate

VOTE FOR ONE

CHAIR:

William H. Hightner

VICE CHAIR:

M. Dean Parsons

Edward S. Reitz

DIRECTOR:

(1989-1990)

Surinder Bhagat

David Morris

Return Ballot by May 15, 1989, to:

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