

# Division newsletter

American Society for Engineering Education

DIVISION: Civil Engineering  
EDITOR: Dexter C. Jameson, Jr.  
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University of Tennessee  
Knoxville, TN 37916

Date: April 1978

## MESSAGE FROM CHAIRMAN

Here we are close to the end of another school year, thus the Annual ASEE Conference at the University of British Columbia is just around the corner. Your Program Chairman, Don Bender has worked with a number of people in the CE Division to put together an excellent program. Hope all of you will take advantage of this and come to Vancouver.

Included with this newsletter is a ballot for the election of next years officers. Please take the time to return the ballot and let the CE Division know that you are a committed and interested civil engineering educator.

Peter Hoadley, Past Chairman of the Division, has chaired a committee to look into ways to upgrade the CE Division Program based on expected increased funding next year from our new Division dues. Pete has developed his report and is ready to present it at the business meeting on Tuesday at the Annual Conference. Here is another good reason for you to come and let us know what you think.

See you in Vancouver,

William J. Wilhelm,  
CE Division-ASEE Chairman

C.E. DIVISION PROGRAM

Donald R. Bender as Vice-Chairman has developed the 1978 C.E. Division Program to be presented at Vancouver, B.C. The sessions sponsored by the C.E. Division are concerned with Innovative teaching methods in Civil Engineering, Faculty Development in Static times, Ethics and Professionalisms, Planning and Review - 1979 C.E. Education Conference, Preparation of Engineering Students for Life Long Learning, and Curriculum Innovation in Civil Engineering. A co-sponsored session will be held concerning Environmental Design.

The Rap Session will be open to the discussion of many topics. Special attention should be given by all officers, directors, committee members and C.E. Division members interested in planning the 1979 program to the Division Breakfast and Planning Meeting on Wednesday morning. This meeting is extremely helpful to the next vice chairman who is responsible for the 1979 program.

PROGRAM

CIVIL ENGINEERING DIVISION

1978 ANNUAL ASEE MEETING

VANCOUVER, BRITISH COLUMBIA

Monday, June 19

8:00 - 9:45 A.M.	Innovative teaching methods in Civil Engineering
Moderator:	William E. Saul
3:45 - 5:30 P.M.	Faculty Development in Static times
Moderator:	Larry Feeser
8:00 P.M.	Rap Session
Moderator:	William Wilhelm

Tuesday, June 20

8:00 - 9:45 A.M.

Ethics and Professionalism

Moderator:

Ed Reitz

Speakers:

Robert J. Baum  
Leslie A. Clayton  
Fazluh R. Kahn  
Henry S. Steinbrugge

12:00 Noon

Civil Engineering Business Meeting  
Luncheon

Moderator:

William Wilhelm

3:45 - 5:30 P.M.

Planning and Review - 1979  
C.E. Education Conference

Moderator:

Ed Reitz

6:30 P.M.

Civil Engineering Banquet

Moderator:

William Wilhelm

Wednesday, June 21

7:00 - 9:45 A.M.

Civil Engineering Division  
Breakfast and Planning Meeting

Moderator:

Donald L. Bender

10:00 - 11:45 A.M.

Mini-Plenary-Preparation of  
Engineering Students for Life  
Long Learning

Moderator:

Russ Jones

12:00 - 1:30 P.M.

Chi Epsilon Luncheon

Moderator:

Dexter Jameson

Speaker:

Joe McCabe

3:45 - 5:30 P.M.

Curriculum Innovation in Civil  
Engineering

Moderator:

Donald Leitch

Speakers:

Gerald W. May  
Kris Keshavan  
C.G. Salmon  
William E. Saul  
S.O. Russell

1979 ASEE ANNUAL MEETING

The C.E. Division may propose a mini-plenary session on Transportation for the 1979 ASEE annual meeting at LSU. The tentative theme for that meeting is "Scarce Resource Allocation - Engineering in the 80's." We would like your ideas for the scope of this proposed session and suggestions for outstanding speakers we might invite. A decision needs to be made at the Vancouver meeting so bring your ideas there or better yet send them ahead to either:

Dr. William E. Saul, Chairman  
Civil Engineering Department  
University of Wisconsin  
Madison, WI 53706

Dr. Olin K. Dart, Jr.  
Civil Engineering Department  
Louisiana State University  
Baton Rouge, LA 70803

ASCE CONFERENCE ON  
CIVIL ENGINEERING EDUCATION

ASCE earlier issued a first call for papers for the 1979 National Conference on Civil Engineering Education to be held at the University of Wisconsin-Madison on April 19-21, 1979. This second call for papers is extended to engineers in education, private practice, government, industry and other engineering societies -- as well as to all others concerned with engineering education, engineering practice and national priorities.

Those planning the Conference emphasize that the primary objective is to obtain factual data and quantitative analysis on all phases of the education of civil engineers including formal B.S. and post-B.S. programs, internship in the profession and employment patterns and opportunities for recent graduates. Another objective is to obtain hard data available on all aspects of life-long continuing education and professional development for civil engineers.

Authors wishing to contribute conference papers are asked to send 8 copies of an abstract (Approximately 200-500 words) by June 30, 1978 -- or earlier -- to Dr. William E. Saul, Chairman, ASCE Education Conference Program Committee, c/o Department of Civil and Environmental Engineering, University of Wisconsin, Madison, WI 53706. Finished copies of accepted papers will be due by November 1, 1978 for publication and distribution prior to the Conference.

From ASCE's Curricula and Accreditation Committee

by Peter G. Hoadley

Better known as CC&A, the Curricula and Accreditation Committee is perhaps one of ASCE's most active groups and yet its influence on Civil Engineering Education is not well understood by many faculty members of Civil Engineering programs. For the past year and a half I have been very fortunate to have met with this group on two occasions as the ASEE-CE division corresponding member (and will meet with them again in April 1978 at the spring meeting of ASCE in Pittsburgh, PA). For this issue of the C.E. division newsletter I thought it might be useful to tell you something about this committee; its make-up, its objectives, and its current activities.

The committee is made up of two representatives from each ASCE zone, one educator and one practitioner from each; thus the committee consists of eight members. In addition there are several corresponding members, one being the ASEE-CE division representative. Nominations for membership usually come from ASCE local sections submitted to the Director of Education Services and passed on to the committee. The committee meets twice a year, for two days, during the fall and spring. Usually one meeting a year is held in conjunction with an ASCE convention or specialty conference.

The objectives of the committee are numerous and have considerable impact on Civil Engineering Education. Some of the more prominent ones include:

1. To represent ASCE in assuring the ECPD accreditation of basic and advanced level programs of civil engineering and related programs through performance of the following tasks:
  - a) To select educators and practitioners for service as Ad Hoc visitors.
  - b) To assist newly selected visitors through the observer program and the holding of Accreditation Forums.
  - c) To monitor the performance of the visitors through review of confidential statements
  - d) To review and improve the ASCE visitors guide to make it a more effective tool
  - e) To review and monitor ECPD actions as they may affect the accreditation process
  
2. To serve the membership in matters related to education through the following means:
  - a) To sponsor periodic national meetings on Civil Engineering Education which set forth future directions C.E. education should take

- b) To disseminate to the membership education topics of current or future interest by sponsoring sessions at ASCE semi-annual national conferences
- c) To develop position papers on various current and future topics of interest to the membership

And there is more--the committee is currently involved in matters pertaining to: a) teaching ethics and professionalism, b) faculty qualifications and evaluations, c) impact of unionization on faculty performance, d) advantages/disadvantages of professional schools, and e) implementation of ASEE's REETS Report (Reassessment of Engineering and Technology Education).

To give you an idea of what goes on at one of their semi-annual meetings, I will paraphrase from the minutes of the September 15-16, 1977 meeting held at Vanderbilt University.

1. The committee discussed the progress toward last year's (1976-77) objectives and approved the new chairman's proposed for 1977-78 objectives.
2. The committee discussed a variety of ECPD matters including: a) selection of CC&A observers at the next four ECPD meetings, b) review of 1977 ECPD accreditation actions, c) review of 1977 ECPD accreditation visits (it was reported that a list of names of ASCE team members recommended by CC&A had been forwarded to team chairman), d) review and revision of the ASCE Register of Accreditation Visitors, e) review of advanced level accreditation (The committee reaffirmed the ASCE position on favor of advanced level accreditation), f) review of ASCE observers on ECPD accreditation teams.
3. The committee selected one of its members to review the "ASCE guide for Civil Engineering Visitors on ECPD accreditation teams" for possible revision.
4. Considerable discussion was devoted to the committee's involvement in the ECPD accreditation of specialized engineering programs such as Surveying, Construction Engineering, and Environmental Engineering. The committee will have a major responsibility in assisting in the selection of visitors and in the preparation of visitor's guides. Much of this work will be done in cooperation with other societies such as ASCM, AGC, and AAEE.

5. The committee discussed regional meetings of C.E. department heads and decided to arrange a meeting of department heads at the Pittsburgh conference of ASCE.

These were some of the many items discussed, actions taken, and assignments made for committee members at the last (fall 1977) meeting.

As you can see the committee is an extremely active one and is vitally interested in the health and welfare of Civil Engineering Education.

### NOMINATING COMMITTEE REPORT

The committee consisting of Peter Hoadley, Ed Misiaszek, and Olin Dart, Chairman, has submitted the following candidates for consideration. chairman: Donald L. Bender; vice chairman: Eugene Chesson or Donald G. Leitch; director: Robert L. Henry or Gajanan M. Sabnis. The successful candidates will assume their offices at the 1978 ASEE Annual Conference.

A short resume on each candidate follows. Your ballot is important, especially now since each office, except that of the Chairman, has two nominations.

#### Donald L. Bender

Professor of Civil Engineering and Associate Dean, College of Engineering, Washington State University. Member of ASEE since 1957. Chairman, Committee No.2, Professional Practice and Relations with Applied Hydraulic Committee ASEE (1966-1967), Pacific Northwest Regional ASEE Representative of YETS (1959-1960), Secretary-Treasurer, Pacific Northwest Section ASEE (1972-1973), ASEE Campus Activity Coordinator (1971-1974), Faculty Adviser ASCE (1973-1967), Faculty Adviser, Tau Beta Pi (present).

#### Eugene Chesson, Jr.

Professor and Chairman of Civil Engineering, University of Delaware. Member of ASEE since 1960, ASEE-NASA Fellow Langley, VA 1976, member of ASEE McGraw Research Awards Committee and ASEE Metrication Committee Session Moderator (1977). Active in NSPE and ASCE. ASCE-ECPD visitor to eight universities and member of NCEE Examination Committee.

Donald G. Leitch

Associate Professor of Civil Engineering, University of Lowell. Member of ASEE since 1959, ASEE Activity Coordinator at Lowell (1968-1970), ASEE Young Faculty Representative Planning Committee (1970-1971), ASEE Developing Engineering Colleges Committee (1970-1972), Member of C.E. Division Committee No.3, Teaching Methods and Technical Areas (1973-1978), Chairman (1977-1978), Session Moderator (1977 & 1978), ASCE Student Chapter Adviser (1969-1978), and ASCE Structural Division Committee on Metals, Secretary (1967-74).

Robert L. Henry

Member of ASEE since 1968, ASEE Campus Activity Coordinator (1974-1977), University of Mississippi, member of ASEE C.E. Division Committee No.3 (1976-1978). Associate Professor of Civil Engineering, Director of Engineering Experiment Station, and Assistant Dean of Engineering, University of Mississippi until 1977. Chief Engineer and Manager, Texas Testing Laboratories, Inc. Dallas, TX currently.

Gajanan M Sabnis

Member of ASEE since 1969. Actively involved in its activities and presently a member of ASEE C.E. Division Committee No.2. Active in ASCE, ACI and SESA work and served on various national and local committees. Faculty Adviser of the Howard University Students Chapter since 1975, and made the chapter most active in the National Capital Section of ASCE. Founded ACI Chapter in the Washington, D.C. area and has served in all possible capacities including its secretary-treasurer, president and director, the work that brought him the first National Chapter Activities Award (1976) of ACI. Has considerable experience both in industry (1967-1974) and academic (since 1974 on Howard faculty). Author of over 50 publications, including a book, Handbook of Composite Construction Engineering (1978).

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PLEASE RETURN THE BALLOT  
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ASEE BALLOT  
C.E. DIVISION

Officers for 1978-79

Place an X in the appropriate ( ).

Chairman: Donald L. Bender ( )

Vote for one: Vice Chairman and Program Chairman

Eugene Chesson ( )

Donald G. Leitch ( )

Vote for one: Director

Robert L. Henry ( )

Gajanan M. Sabnis ( )

Return ballot by May 31, 1978 to:

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Perkins Hall  
University of Tennessee  
Knoxville, TN 37916