

Division newsletter

American Society for Engineering Education



DIVISION: Civil Engineering

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CHAIRMAN'S REMARKS

Usually the "BIG EVENT" for the CE Division is the series of sessions at the Annual Conference sponsored by the Division. These sessions serve the membership by bringing important and timely topics to the forefront for discussion and dissemination. However, the percentage of the membership that attends the Annual Conference is usually small. The Division is now initiating another activity designed to serve a larger portion of the membership. It should increase the contact with all of you and give increased opportunity for all Civil Engineers to get their ideas out for discussion and implementation.

I am referring to the new Civil Engineering Journal titled "Civil Engineering Education" which will come out next spring. Peter G. Hoadley, Professor and Chairman of Civil Engineering, Vanderbilt University is editor of the journal. Pete has done a tremendous job in not only developing the format and procedures for the journal but in shepherding it through the ASEE channels so that it is accepted as an official ASEE publication. Pete is to be complimented for his leadership on this project. Helping the editor are four regional associate editors; William Wilhelm, West Virginia University; Marvin Criswell, Colorado State University; Paul Hartman, Florida Technological University; and Ted Williams, Montana State University. The editor and associate editors make up the Editorial Board and will review and select the papers and other items to be published. All inquiries about the Journal should be directed to Pete Hoadley.

This venture became possible when, in 1977, we voted to assess our members a division dues of \$2.00 per year. Through a poll of our division members last year and discussions at the Annual Conference, a strong interest was expressed in improving communications with the membership. Thus, the Journal was born. However, the success of this venture depends not only on support of the membership through suggestions and papers but also the support through payment of the \$2.00 membership fee. So please make sure that your \$2.00 fee is included when you send in your dues.

Next year's annual conference will be on June 24 through 28 at Louisiana State University, Baton Rouge, Louisiana. The theme of the conference will be "Scarce Resource Allocation -- Engineering in the Eighties." Planning for the Civil Engineering Division sessions is well underway under the leadership of Eugene Chesson, Jr. of the University of Delaware. Look for a listing of the sessions in the Spring Newsletter.

I take this opportunity to express my thanks to the Session Chairmen who were responsible for making the CE Division program at Vancouver, B.C. the huge success that it was. These people are Bill Saul, University of Wisconsin; Larry Feeser, Rensselaer Polytechnic Institute; Ed Reitz, City College of the City University of New York; Gajanan Sabnis, Howard University; Russ Jones, University of Massachusetts; Don Leitch, University of Lowell; Dexter Jameson, University of Tennessee and Bill Wilhelm, West Virginia University. The work that these people did made my job as Program Chairman, easy and enjoyable. Thanks to all of you.

With best regards,



Donald L. Bender
Chairman
C.E. Division, ASEE

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REPORT OF THE SECRETARY-EDITOR, 1977-1978

Division Newsletters were prepared in October 1977 and March 1978 and were mailed in November and April, respectively. About 1900 copies of each newsletter were mailed to members in the U.S. and other countries.

Printing and mailings were handled by Larry Sigler of ASEE Headquarters during 1976-1977. Unfortunately, this kind of service was not available from the national office this past year, but I believe that it should be available to the various divisions each year.

The officers elected for 1978-1979 and continuing officers are as follows.

Chairman:	Donald Bender
Vice Chairman:	Eugene Chesson
Secretary-Editor:	Dexter Jameson (1979)
Directors:	Gordon Batson (1979) Marvin Criswell (1980) Robert L. Henry (1981)

The Executive Board of the C.E. Division will consist of these officers plus the past chairman, William Wilhelm, and the chairmen of the three Standing Committees.

The C.E. Division budget for the 1977-1978 year was \$525, which was an increase of \$50 over the previous budget.

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STATEMENT OF FUND BALANCES

June 22, 1978

Balance 7/1/77 \$525.00

Expenditures

Printing	-0-
Postage	501.36
Mail House Charges	-0-
Sec'y-Editor Office Expenses	<u>27.90</u>
	<u>\$529.26</u>

Balance 6/22/78 (\$4.26)

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ANNUAL BUSINESS MEETING

The annual business meeting of the C.E. Division was convened by Bill Wilhelm. A detailed 1977-1978 Annual Report was presented by Wilhelm. A motion was made by Joe McCabe and seconded by Fred Beaufait to recognize the officers responsible for organizing the excellent C.E. Division program and that their program serve as an example for the future. The motion passed.

Pete Hoadley presented a committee report concerning the C.E. Division Journal. A motion was made, seconded, and passed unanimously to adopt this report. Earl Brown suggested that a proposed budget be prepared and presented at the 1979 annual meeting.

Olin Dart made some comments concerning the 1979 ASEE Meeting to be held at L.S.U. Don Bender appointed a nominating committee comprised of William Wilhelm, Pete Hoadley and Ed Misiaszek. Chairman Wilhelm thanked Don Bender, Program Chairman, the chairmen of the three standing committees and the Secretary-Editor for their efforts on behalf of the C.E. Division. The meeting adjourned at 1:30 p.m.

Respectfully submitted,



Dexter C. Jameson, Jr.
Secretary-Editor
C.E. Division, ASEE

NOMINATING COMMITTEE REPORT

The committee consisting of Peter Hoadley, Ed Misiaszek, and William Wilhelm, Chairman, has submitted the following candidates for consideration: chairman: Eugene Chesson; vice-chairman: Gordon B. Batson or James F. McDonough; secretary-treasurer; (3 year term ending 1982) Fred W. Beaufait or Ronald W. Eck; director: (3 year term ending 1982) Dexter C. Jameson or Gajanan M. Sabnis. ~~Voting will be by ballot next spring and~~ The successful candidates will assume their offices at the 1979 ASEE Annual Conference.

1977-78 C.E. Division Committee Memberships

Committee No. 1 -- Educational Policy

Ed Rohmberg, Chairman	Univ. of Detroit (1979)
Wallace Fluhr	Air Force Academy (1979)
George Hauck	Univ. of Missouri, Columbia (1980)
Olin Mintzer	Ohio State Univ. (1980)
Fred Bennett	Walla Walla College (1981)
Jim McDonough	Univ. of Cincinnati (1981)

The Educational Policy committee is concerned with undergraduate curricula development and accreditation, continuing education, faculty recruitment and development, and all other matters relating to educational policy in the general scope of Civil Engineering.

Committee No. 2 -- Professional Practice and Relations with Technical Societies

Gajanan M. Sabnis, Chairman	Howard University (1979)
Samuel W. Dobyns	Virginia Military Instit. (1979)
Subash C. Anand	Clemson Univ. (1980)
Rafik Y. Itani	Washington St. Univ. (1980)
Thomas S. Tarpy, Jr.	Stanley D. Lindsey & Assoc. (1980)
George R. Glenn	Rutgers Univ. (1981)

The Professional Practice and Relations with Technical Societies Committee is concerned with establishing liaison with practicing engineers and seeks to interpret the needs and desires of professional practice to engineering educators.

Committee No. 3 -- Teaching Methods and Technical Areas

Ronald Eck, Chairman	West Virginia Univ. (1979)
Donald Leitch	Univ. of Lowell (1979)
William Saul	Univ. of Wisconsin (1979)
J.W.N. Fead	Colorado State Univ. (1980)
William B. Ledbetter	Texas A&M (1980)
Olin K. Dart	Louisiana State Univ. (1981)
Allen F. Dill	Northern Arizona Univ. (1981)

This committee serves as a channel for promoting and conducting meetings and discussion on teaching methods and the teaching of technical subjects.

COMMITTEE NO. 2 - MINUTES

The meeting of Committee No. 2 was held in Room SUB 212 University of British Columbia, Vancouver on Wednesday, June 21, 1978. Attendance: members*, Gajanan M. Sabnis; visitors, Marvin Criswell, Peter Hoadley Donn Hancher, Bro. B. Austin Barry. *Ed Reitz could not make the meeting due to a last minute emergency; Dobyns, Anand and Itany had informed the chairman Reitz of their inability to be present.

Sabnis opened the meeting by giving the agenda to the visitors. As part of the election for chairman (1978-79), he mentioned that he was nominated by Ed Reitz, chairman (1977-78) and the committee members elected him by mail prior to the meeting.

As for the new membership of the committee, the term of only one member expired in 1978 and Professor George Glenn (Rutgers University), who had earlier applied for membership, was approved by the committee prior to the meeting. Bro. B. Austin Barry and Prof. Donn Hancher expressed interest. They will be requested to send formal application so that their membership may be considered at the proper time.

As per instructions from Don Haber to select topics for two sessions, the committee then proceeded to discuss the proposed sessions for the 1979 meeting at LSU. Eugene Chesson, Program Chairman had suggested two topics, namely, "Civil Engineering Trends in the 1980's - Needs for the next Decade" and "Use of Hand Calculator and other calculating aids in Civil Engineering", based on his observations from the sessions at Vancouver. In addition to these, the agenda also contained several ideas for the session. After considerable discussion, the following two topics were selected:

1. Review of Madison ASCE Conference:

It was felt that a number of issues will come out that would be of interest to division members, especially since the above conference would have taken place only a couple of months prior to the LSU meeting.

2. "Realities of Professional Registration": One of the sessions at the Vancouver meeting was found of considerable interest and had raised a number of issues. This topic will try to get independent views of individuals and include subtopics, such as: registration of non-engineers (includes technologists), validity of registration in view of public safety and protection, continuing education for registered engineers, type of test, etc. The session will consist of 3-4 speakers both from academic and practicing engineers. Sabnis will act as moderator for the session.

During the Division discussions held after the above meeting topic 2. was approved for a session on Tuesday morning at 8:00 a.m. and topic 1. was approved for discussion at the Rap session on Monday night at 8:00 p.m. Prof. Anand will be requested to be the moderator of the session, if one is required.

Respectfully submitted,
Gajanan M. Sabnis
Chairman, Committee No. 2

COMMITTEE NO.3 - MINUTES

The meeting convened at 7:00 a.m. Wednesday, June 21, 1978 in Room 212 of the Student University Building, University of Vancouver.

After breakfast and preliminary introductions, the working committees separated to hold their annual planning meetings. The report for Committee No. 3 follows: 1. Attendance. Donald G. Leitch, University of Lowell; J. William N. Fead, Colorado State University; Ronald W. Eck, West Virginia University; Bruce M. Davison, U.S. Naval Academy; Olin K. Dart, Louisiana State University; William E. Saul, University of Wisconsin-Madison; John Collura, University of Massachusetts.

2. Membership - Leitch, Fead, Eck, Ledbetter, Dart, Dill, Saul. Although the membership of Committee No. 3 is limited by the bylaws to 6, the mailing list will continue to include persons who indicate an interest in the committee's activities.

3. Chairman Elect - Ron Eck was elected Chairman for the year 79-80. He will begin his term of office at the C.E. Division's planning meeting in June 1979.

4. Annual Conference 1978. Committee No. 3 sponsored two sessions; one on Monday at 8:00 a.m. entitled "Innovative Teaching Methods in Civil Engineering" moderated by Saul and a second, Wednesday at 3:45 p.m., entitled "Curriculum Innovation in Civil Engineering" moderated by Leitch. The Monday morning session filled the room to over capacity with over 50 persons in attendance. The Wednesday afternoon session was also well-attended.

5. Annual Conference 1978. Conference theme "Scarce Resource Allocation - Engineering in the 80's". The Committee decided to request 2 sessions at the next annual conference which will be held at Louisiana State University, Baton Rouge, in June 1979. Scheduled for Monday morning, 8:00 a.m. 9:45 a.m., is "Education of Civil Engineers for Conservation of Scarce Resources" to be chaired by Fead. The second is scheduled for Monday afternoon, 3:45 p.m. - 5:30 p.m., "Transportation and Railroad Engineering" to be chaired by Ron Eck. A mini-plenary session on Transportation Engineering is also proposed under the joint chairmanship of Dart and Saul for the Division. A time for this event will be left to the division chairman or his representative. Additional items which were scheduled include a luncheon report on the 1979 ASCE

Conference on Civil Engineering Education by Saul. A proposal by Dean Bruce Davidson, U.S. Naval Academy, on railroad engineering was broadened to include transportation. Davidson will be available as a resource person for Eck. Ledbetter also introduced a possible topic on the role of construction engineering programs in Civil Engineering Education. It was decided to defer this awaiting further developments and data and to encourage it to be re-introduced and not dropped.

6. Annual Conference 1980. Early planning with respect to this meeting can be started at this time.

Committee meetings were adjourned at 9:30 a.m. at which time the full division meeting met to have the committee report and build up a proposed session schedule. The above schedule was approved. Session scheduling will be handled by the Chairman. The meeting adjourned at 9:45 a.m.

Respectfully submitted,
William E. Saul
Chairman, Committee No. 3

NEWS ITEMS

William Wilhelm from West Virginia University (Past Chairman-C.E. Division) represented the Civil Engineering Division as the corresponding member on the ASCE's Curricula and Accreditation Committee. The first meeting of this committee was held in September in St. Louis, MO.

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Donald L. Bender, present Chairman of the C.E. Division (Washington State University) represented the Civil Engineering Division as the corresponding member on the ASCE's Education Division, Executive Committee (EDEX). Their first meeting was held in late October in New York City.

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Don't forget the National Conference on Civil Engineering Education to be held at the University of Wisconsin, Madison on April 19-21, 1979. This conference is being sponsored by the American Society for Civil Engineers and is the second in a series of education conferences in recent years. The ASEE Civil Engineering Division will be well represented through both the planning of the Conference and the presentation of papers. This is an extremely important conference for civil engineering education and all of you are encouraged to participate in it in any way possible.

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Dr. George Wadlin has been appointed Director of Educational Services and Continuing Education for the American Society of Civil Engineers. George is no stranger to the Civil Engineering Division, having served as Chairman of the C.E. Division and as National ASEE Vice President. He replaces Joseph McCabe, who is also well known in ASEE circles. Joe will continue to serve the Civil Engineering profession and education through many activities including Zone 1 Member of the Educational Division Executive Committee of ASCE. We wish George good luck in his new position and also our best wishes to Joe in his new activities.

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CALL FOR PAPERS

FIFTH INTERNATIONAL CONFERENCE ON WIND ENGINEERING

July 8-13, 1979

Topics Include

1. Economic and Social Impact of Winds
2. Characteristics of Boundary-layer Winds, Hurricanes, Tornadoes and Downslope Winds
3. Wind Characteristics for Wind-power Installations
4. Wind Loading of Buildings and Structures
5. Wind-excited Motions of Buildings and Structures
6. Local Wind Environment--Transport of Air Pollutants, Architectural and Agricultural Aerodynamics, Control Measures
7. Physical Modeling in Wind Tunnels and Water Channels
8. Full-scale Measurements
9. Applications of Research Findings to Engineering Design

Submit two copies of complete paper for review by 15 December 1978 to

Dr. J.E. Cermak, Fluid Mechanics & Wind Engineering
Program, Department of Civil Engineering, Colorado
State University, Fort Collins, Colorado 80523

Manuscripts should be in English, double spaced on 11 x 8½ in. (28 x 21.6 cm) paper and not more than 20 pages in length. Notification of acceptance will be by 1 February 1978 and final manuscripts typed on mats provided by the Organizing Committee will be sent to the above address by 1 April 1979.



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