

Division newsletter

American Society for Engineering Education

DIVISION: Civil Engineering

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

Date: April 1977

ASEE Annual Conference Theme

"FOOD/RESOURCES/ENERGY/ENVIRONMENT

THE CRITICAL INTERFACES"

C.E. DIVISION PROGRAM

William J. Wilhelm as Vice Chairman has guided and developed the 1977 Civil Engineering Division Program to be presented at Grand Forks, North Dakota.

The sessions sponsored by the C.E. Division are concerned with Civil Engineering Accreditation, Engineering Enrollments, Transportation Engineering Education Needs, and Design Education in Civil Engineering. Co-sponsored sessions will be held concerning construction.

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 1978 program. This meeting is extremely helpful to the next vice chairman who is responsible for the 1978 program.

PROGRAM
CIVIL ENGINEERING DIVISION
1977 ANNUAL ASEE MEETING
UNIVERSITY OF NORTH DAKOTA

Monday, June 27

- 1220 8:00 - 9:45 A.M. Civil Engineering Accreditation
Moderator: W.J. Wilhelm
- 1642 3:45 - 5:30 P.M. Engineering Enrollments -
Numbers and Needs
Moderator: M.E. Criswell
Speakers: Donald L. Bender
Paul Robbins
Milton Alpern
- 1852 8:00 P.M. Rap Session
Moderator: Peter Hoadley

Tuesday, June 28

- 2214 8:00 - 9:45 A.M. Transportation Engineering
Education Needs Now and For
The Future
Moderator: Donald G. Leitch
Speakers: Christian F. Davis
Conan P. Furber
James Costantino
John J. Walsh
Olin K. Dart
- 2425 12:00 Noon Civil Engineering Division
Business Meeting - Luncheon
Moderator: Peter Hoadley
- 2606 3:45 - 5:30 P.M. Design Education in Civil
Engineering - A Point of View
Moderator: Clyde Holland
Speakers: S.C. Anand
Thomas Tarpy
Howard W. Wahl

2710	6:00 P.M.	Civil Engineering Annual Banquet
	Moderator:	Peter Hoadley
	Speaker:	M. Somerville
Wednesday, June 29		
3115	7:00 - 9:45 A.M.	Breakfast and Planning Meeting
	Moderator:	W.J. Wilhelm - It is requested that all officers, directors and committee members attend this meeting to help prepare the Division program for 1978. All C.E. Division members are also welcome.
3405	12:00 Noon	Chi Epsilon Luncheon
	Moderator:	D.C. Jameson
	Speaker:	I.W. Santry, Jr. President, Chi Epsilon
3635	3:45 - 5:30 P.M.	B.S.C.E. VS. B.S.C.E.T.: What are the Issues?
	Moderator:	Larry J. Feeser
	Speakers:	Robert E. McGrath, Jr. Edward T. Misiaszek J. Herbert Moore Charles W. Newlin

RESULTS OF MEMBERSHIP INTEREST SURVEY

by Peter G. Hoadley, Chairman

We received 198 responses to our Membership Interest Locator survey that was attached to our fall 1976 issue of the ASEE-CE Division newsletter, and I would like to thank all of you who participated. I think we have gathered some very interesting data, and I would like to report and comment on the results.

Question 1 asked for age group and title. The percentage distribution follows:

<u>Age Group</u>	<u>%</u>
<30	4
30 - 39	20
40 - 49	40
50 - 59	23
60>	13

<u>Title</u>	<u>%</u>
Professor	58
Assoc. Prof.	19
Asst. Prof.	10
Other*	13

*Other included: graduate assistants, instructors, project managers, project engineers, etc.

Question 2 asked for data concerning other professional organizations of which a member and regularity of attendance.

Frequency of attendance at the ASEE annual conference was as follows:

Attendance at ASEE Annual Conference

	<u>%</u>
Yearly	18
Occasionally	50
Never	32

Of those who attended yearly, it was interesting to note that about 85% were Professors, Department Chairmen, or Deans.

Of those who responded to the survey, 92% were also members of ASCE. The frequency of attendance to an annual ASCE national meeting was as follows:

Attendance at an ASCE Annual Conference

	<u>%</u>
Yearly	27
Occasionally	60
Never	13

It would appear that our members attend ASCE annual meetings more frequently than ASEE annual meetings.

The most often mentioned other professional organization to which our members belong was NSPE, with 29% listing this group. There were many other organizations named but none were listed with any great frequency.

ASEE came out second when people were asked which organization served their purposes best between ASCE and ASEE; 16% listed ASEE, 62% said ASCE, and 22% stated both were equal. The reasons for choosing between the two were many, however the most often mentioned reason for choosing ASCE was its technical orientation. Other reasons for choosing ASCE were: a) more and better technical publications, b) interaction with the practicing world, c) "engineer first-teacher second," d) professional organization, and e) local section activities. Those listing ASEE as their choice gave the following principle reasons: a) primarily interested in education (teaching), and b) ASEE activities more directly related to their job. Those giving equal billing to the two suggested that each served a different purpose and to choose one over the other made no sense at all.

Question 4a asked people to give the main reason for belonging to ASEE. The most often mentioned reasons were: a) contact with other educators, b) publications on engineering education, c) the best way to keep abreast of new developments in engineering education, and d) the only group that represents engineering educators.

Question 4b asked what reason prevented attendance at the ASEE annual conference and the most often answers were lack of time and lack of money. Some indicated that summer school commitments and research commitments prevented attendance while others indicated lack of interest as their reason.

Question 5 asked for the names of other divisions or committees of which a member. Twenty-eight divisions and committees were named. I will only list the top six and the number of times listed.

<u>Division or Committee</u>	<u>No. of Times Listed</u>
Engineering Mechanics	36
ERM	19
Continuing Education	13
Graduate Studies	13
RWI	12
Materials	11

Question 6 listed several activities which our division might initiate. The questionnaire asked whether or not any of these would make the CE Division a more meaningful group to its members. The results follow:

	<u>Yes</u>	<u>%</u>	<u>No</u>
a) Quarterly CE newsletter or journal	64		36
b) Award for Teaching excellence	30		70
c) National teaching methods project to develop computer and video tape modules	58		42
d) CE Div. Section Meetings	70		30

It seems clear that establishing a division awards program would receive little support, while up-grading our division publication and encouraging CE Division sessions at ASEE section meetings would receive support.

Question 7 concerned the important problem of financing CE division activities. Three choices were offered the members and a fourth was added by those responding, namely "none of the above." Initiating a CE division dues received support by 63% of those respondings, whole Voluntary contribution received 4% support, establishing a division endowment received 16% support, and "none of the above" received 17% support. Since our survey was distributed to the division members, we have discovered that we could not set up a division endowment fund because of tax problems. Of those 63% who supported a division dues; 18% voted for a dues of one dollar, 30% voted for two dollars, 18% voted for three dollars, and 34% voted for five dollars.

I was pleased with the vote in favor of a CE division dues. If the division is to expand or improve its activities it will require a larger budget than the \$450 we receive from ASEE headquarters. Our budget will barely cover the cost of two division newsletters a year. I for one would be very interested in establishing a CE Division Quarterly similar perhaps to the ERM journal. This could serve as a newsletter and a place for articles pertaining to Civil Engineering Education.

In closing, I again would like to express my appreciation to all of you who participated in the survey. It gave the Division Board of Directors some ideas on what your interests are and perhaps indicated some future directions we should take.

* * * * *

PLEASE RETURN THE BALLOT
THAT IS ON THE LAST PAGE.

MINUTES OF 1976 BUSINESS MEETING

The Business Meeting of the Civil Engineering Division of ASEE was called to order by Ed Misiaszek, Chairman of the C.E. Division on June 15, 1976 and the officers of the Division introduced.

Minutes of 1975 Business Meeting at Colorado State University printed in the Newsletter. The Treasurer's Report was accepted.

Dr. John Gibbons, University of Tennessee was introduced and spoke on the topic "Energy and the Environment, The Lady or the Tiger". The attendance was 75.

There was no new business and the Annual Business Meeting was adjourned at 1:30 P.M.

REPORT OF THE ASEE REPRESENTATIVE AT THE EDEX COMMITTEE MEETING

The EDEX Committee spent a full two days working in Bethlehem, Pa., on the problems facing it. Among the major items under discussion were problems of ECPD Accreditation teams selection, student affairs problems including sponsorship of concrete canoe races and growth of ASCE student clubs, a growth of interchange programs with industry and success of continuing education programs as well as the conflict between ASCE sponsored and university sponsored programs, problems of accreditation for derivative programs such as Construction, Surveying, Environmental, etc., and the current status of the projected national meeting on Civil Engineering Education.

Actions were taken to recommend that consideration be given to withholding approval of adding new societal members to ECPD which have no curricular responsibility. The committee also recommended that visitor lists include significant numbers of people who may not necessarily be ASCE members but who are experts in derivative fields such as transportation, environmental, oceanographic, etc., and that as many visitors as possible should have dual membership such as ASCE/ASEE, NCEE, NSPE or SAE. Action was also taken to recommend the inclusion of more ethics and professionalism in Civil Engineering Education, recognizing that this could be accomplished in many different ways.

EDEX approved continued study of Construction Engineering guidelines and specifically charged George Wadlin with clarifying and monitoring these criteria. The ASEE report was accepted and remarks recorded regarding the trend towards fragmenting Civil Engineering curricula into Transportation, Environmental, Urban, Geodetic, Geotechnic, Hydraulic, Sanitary and Structural Engineering,

EDEX approved requests to sponsor sessions in teaching ethics and professionalism at the ASCE San Francisco convention in October 1977 and recorded that the results of the ASCE national survey of the profession would be the topic of a reserve session or

Education Breakfast at the Dallas meeting in Spring 1977. They also approved a Schedule of forthcoming EDEX meetings.

In the area of environmental engineering EDEX suggested that undergraduate level education should remain under ASCE purview, noting that other considerations might prevail at the graduate level. In the area of student activities EDEX noted the problem of liability insurance connected with Concrete Canoe races and they adopted criteria for ASCE sponsorship including specific dollar value of coverage recommended. They also requested verification of coverage against third party claims arising from student chapter activities and investigation of delinquent reports from student chapters.

In the area of continuing education the problem of ASCE mailing labels was given complete attention and a mode of accommodation was suggested where University sponsored programs conflict with ASCE sponsored programs. The Committee on Integration with Engineering Practice report was commended and endorsed.

On the subject of the National Education meeting, the lack of progress and success with NSF was noted and EDEX requested a full status report by January 1977, recognizing that a decision would soon have to be made on the conference scope and funding.

EDEX also discussed providing guidance on the problem of Bachelor of Technology graduates and means for continuing to focus attention on promotion of education for ethics and professionalism.

Respectfully submitted,

Edward S. Reitz

Acting ASEE representative at
ASCE EDEX meeting, Nov. 4-5, 1976

ASEE WORKSHOP
ON MINORITY PROGRAMS

The ASEE North Central Section is sponsoring a workshop on Minority Programs in Engineering at the University of Pittsburgh, May 12-13, 1977. The workshop sessions will deal with Pre-College Programs, Recruitment and Retention, Financial Support, and Program Implementation.

For additional information contact: Dr. Karl H. Lewis,
739 Benedum Engineering Hall, University of Pittsburgh,
Pittsburgh, PA 15261. Phone: (412) 624-5378.

NOMINATING COMMITTEE REPORT

The committee consisting of George Wadlin, Olin Dart, and Ed Misiaszek, Chairman, has submitted the following candidates for consideration. chairman: William Wilhelm; vice chairman: Donald L. Bender or Donald G. Leitch; director: Marvin E. Criswell or Edward S. Reitz. The successful candidates will assume their offices at the 1977 ASEE Annual Conference.

A short resume of each candidate follows. Past records show that about 10 percent of the Civil Engineering Division return their ballots. Your ballot is important, especially now since each office, except that of the Chairman, has two nominations.

Donald L. Bender

Assistant Dean, College of Engineering and Professor of Civil Engineering, Washington State, Member of ASEE since 1956, Director of C.E. Division 1974-77.

Marvin Criswell

Associate Professor of Civil Engineering, Colorado State University. Active on several technical committees of ASCE and ACI. Chairman and member of ASEE Committee #2, Professional Practice and Relations with Technical Societies, ASEE Campus Activity Coordinator.

Donald Leitch

Associate Professor of Civil Engineering, University of Lowell. Member of ASEE since 1959, ASEE Activity Coordinator at Lowell (1968-70), ASEE Young Faculty Representative Planning Committee (1970-71), ASEE Developing Engineering Colleges Committee (1970-72), Member of C.E. Division Committee #3, Teaching Methods and Technical Areas (1973-77), ASCE Student Chapter Advisor (1969-77) and ASCE Structural Division Committee on Metals, Secretary (1967-74).

William J. Wilhelm

Professor and Chairman of the C.E. Department, West Virginia University, Member of ASEE since 1961, Member Committee #1, Education Policy C.E. Division of ASEE (1971-73), Chairman Committee #1 (1973 to 1976), Organizer and moderator C.E. Division session at Annual Meeting in 1974 and 1975. Represented ASEE at EDEX and CCA Committee of ASCE, Moderator of 1975 ASEE North Central Section Annual Meeting, Vice Chairman and Program Chairman C. E. Division ASEE 1976-77.

Edward Reitz

Assistant Professor of Civil Engineering at City College of City University of New York, Member of ASEE since 1966, Member of C.E. Division Committee #2.

ASEE BALLOT
C.E. DIVISION

Officers for 1977-78

Place an X in the appropriate ().

Chairman: Bill Wilhelm ()

Vote for one: Vice Chairman and Program Chairman

Donald Bender ()

Donald Leitch ()

Vote for one: Director

Marvin Criswell ()

Edward Reitz ()

Please answer the following question:

Do you approve of establishing C.E. Division dues in the amount of \$2.00 annually? ()yes ()no

Return ballots by May 15, 1977 to:

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